QUALIFICATIONS OF RICHARD J. KOVACH

My name is Richard J. Kovach, and I reside in St. Louis County, Missouri.

I received the degrees of Bachelor of Science in Industrial Engineering in 1962 and Master of Engineering Administration in 1967 from Washington University in St. Louis, Missouri.

I was employed as an Assistant Engineer in the Rate and Statistical Department of Union Electric in January 1963. My work in the Department included assignments relating to the general analysis and administration of various aspects of Union Electric's electric, gas and steam rates. From 1966 to 1970, I held various engineering positions in the Corporate Planning, Transmission and Distribution, Engineering and Construction, and Power Operations functions of the Company. In April 1970, I returned to the Corporate Planning Function and was appointed Supervising Engineer - Rates and Planning in that function in February 1973. In the latter position I was responsible for day-to-day rate and tariff administration, conducting studies relative to utility cost-of-service and participation in Union Electric Company rate case proceedings. I was appointed to my present position of Manager of Rate Engineering in April 1975 and to the same position with Ameren Services in 1998.

I currently have responsibility for the general policies and practices associated with the day-to-day administration and design of Union Electric's electric and gas rate tariffs, riders and rules and regulations tariffs on file with the Missouri Public Service Commission and the Illinois Commerce Commission, and in the participation in various proceedings before these regulatory agencies. In addition, Rate Engineering is responsible for conducting class cost-of-service and rate design studies, and the participation in other projects of a general corporate nature, as requested by the Vice President of Corporate Planning.

I am a registered Professional Engineer in the States of Missouri and Illinois. In addition, I am the Ameren Services representative on the Edison Electric Institute (EEI) Economic Regulation & Competition Committee (the former Rate Research Committee). The EEI Committee provides its membership with current information applicable to various rate design and regulatory concepts, as well as new and proposed state and federal legislation. Its membership consists of the individuals responsible for rate design and administration from virtually every investor-owned utility in the United States. I was also the Company's representative on the Associated Edison Illuminating Companies (AEIC) Load Research Committee from 1988-1998, serving as the Chairman of that Committee from 1993-95.

EXECUTIVE SUMMARY

Richard J. Kovach

Manager, Rate Engineering Department of Ameren Services

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The purpose of my testimony, and that of my associates, Mr. James R. Pozzo and Mr. William M. Warwick, is to address the Commission Staff's position in several areas of this case, as follows:

- Customer Growth Adjustment Doyle Gibbs
- Loss Factor Adjustment / Jurisdictional Allocations and Methodology Alan Bax
- Rate Design-James Watkins and Janice Pyatte / Sales and Revenues-Janice Pyatte

Customer Growth Adjustment - The Staff proposes to increase the test year (July 2000-June 2001) customers to the number of customers on September 30, 2001, and by that adjustment impute \$18 million of "phantom" revenues, net of taxes, which the Company did not realize during the test year, and will not realize in total, if at all, until at least September 30, 2002. Staff's cost allowance for serving such additional customers consisted of average fuel expense, ignoring the fact that incremental growth will be supplied at incremental fuel costs that are often twice the magnitude of average costs. In addition, the Staff also ignored numerous other obvious direct costs required to serve additional customers such as meter reading, billing, postage, customer accounting, call center, credit and collection and distribution operating expenses. Significantly, the Staff also excluded any consideration of its customer growth adjustment from its Missouri

jurisdictional demand and energy allocation factor calculations, resulting in no demand or energy costs allocated to Missouri for such growth. The Staff's proposed customer growth adjustment violates the test year and update provisions ordered by the Commission in this case as it imputes revenues and sales into the test year that the Company will not fully realize until September 30, 2002, if at all, and should be rejected for that reason alone. Even if considered, however, the growth adjustment suffers from the serious deficiencies of failing to properly provide for the direct costs associated with serving additional customers. Moreover, Staff ignores the impact of their growth adjustment upon both the Missouri jurisdictional demand and energy allocation factors, which totally ignores production and transmission fixed costs and under allocates energy costs to Missouri.

<u>Loss Factor</u> - The kilowatthours associated with the Staff's customer growth adjustment were adjusted only for average losses, which understate losses for the secondary voltage residential and general service customers that constitute most of this adjustment. As a result, the Staff's production cost model used to determine the additional fuel cost of these understated system requirements, also understated the fuel cost for these customers.

Jurisdictional Methodology and Allocations - Staff recommends the use of the twelve monthly system coincident peaks (12 CP) allocation methodology in arriving at the Missouri jurisdictional demand allocation factor. The Company's monthly peak demands that Staff relied upon in making this recommendation do not support the use of this methodology. Using this same data with three standard tests, established by the Federal Energy Regulatory Commission (FERC), demonstrates conclusively that the 12 CP

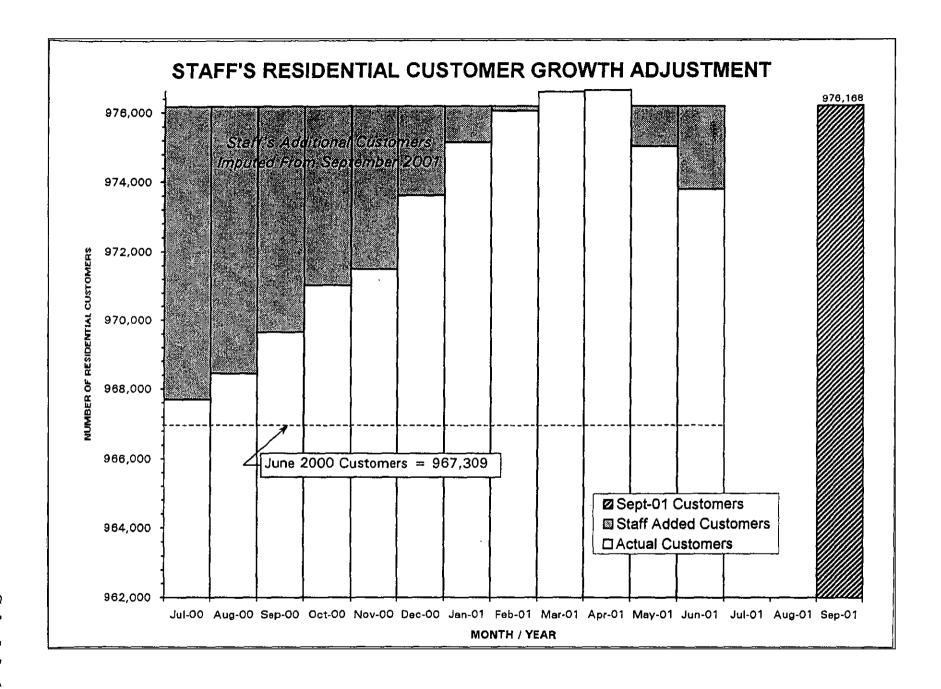
jurisdictional allocation methodology is <u>not</u> appropriate for the Company, but that a 4 CP or 3 CP methodology is appropriate. Significantly, the Staff excluded any consideration of its proposed customer growth adjustment from its Missouri jurisdictional demand and energy allocation calculations, resulting in no allowance for Missouri demand costs and an under allocation of energy costs to Missouri for such growth.

Rate Design - The Staff proposed to allocate any class rate reductions resulting from this case on the basis of a stipulation in the Company's last rate design case. That stipulation is non-binding in this case and was based upon an out of date test year ending September 1996. The Company's overall revenues in this case should be distributed to customer classes by initially equalizing class rates of return, based upon the class cost of service study sponsored by Mr. Warwick, and then assigning any additional revenue adjustments on the basis of the allocated rate base of each class, as also determined by Mr. Warwick's analysis. The results of these steps are outlined in Schedules 6 and 7 of my testimony. The specific class rates that result from the first step of equalizing class rates of return are contained in my Schedules 11-15, based upon the Company's current level of total Missouri revenues. Subsequent schedules reflect a proposed revision of Rider E applicable to customers with generation, a new proposed optional Rider RDC for enhanced distribution system reliability service and a proposed revision to index the rate of interest paid by the Company on customer deposits.

<u>Sales and Revenues</u> - Sales, revenues and rate billing units, for the twelve month ending

June 2001 test year, were developed by Mr. Pozzo based upon the Company's weather

normalized sales and are provided in his Schedules for use in the subsequent design of final rates as a part of this case. This twelve month test year is in accord with similar work performed by the members of the Staff responsible for rate design, and can be used in the design of any level of class revenues that may be ordered by the Commission in this case. In addition, a sample of the sales and revenue reconciliation report recommended by Staff in this case has been developed and is contained in Schedule 8 of my testimony. The Company plans to continue to work with the Staff to modify this report in an effort to meet all practicable sales and revenue reconciliation requirements.



Additional Missouri Coincident Peak (CP) Demands (MW) Related to Staff's Proposed Customer Growth Adjustment

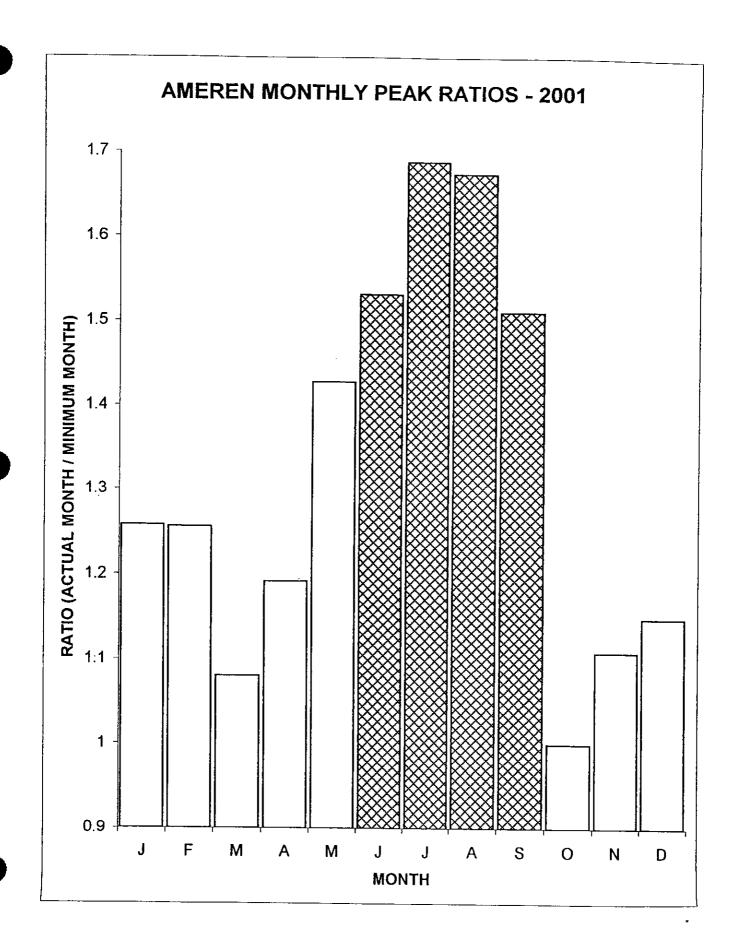
July 2000 - June 2001

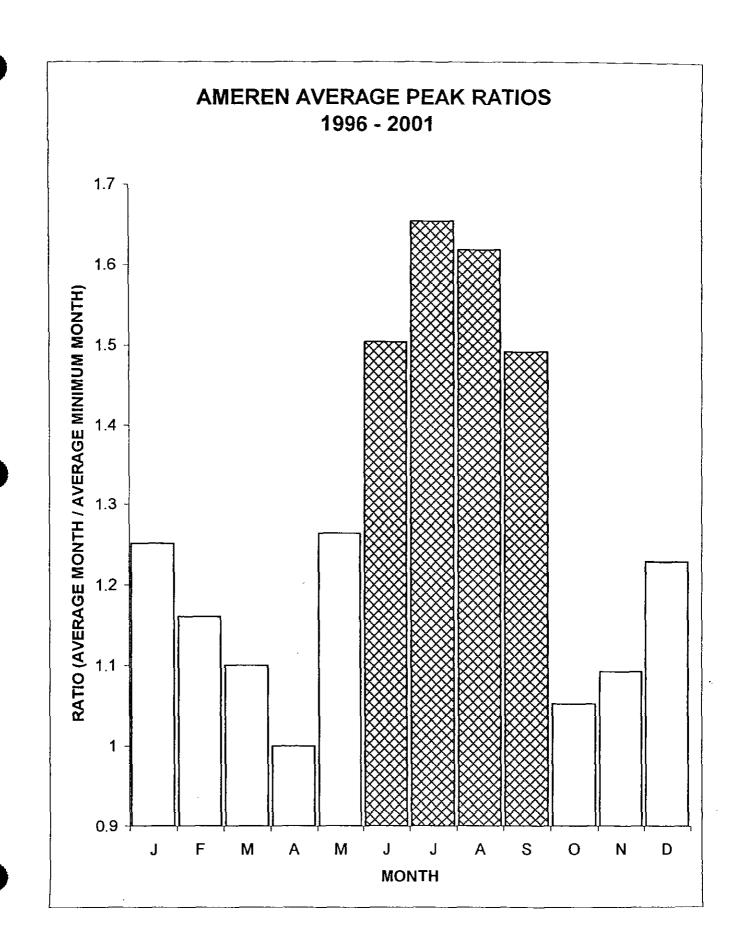
	Additional CP	Adjust for Other	Actual CP Dem	ands (MW) (1)	Adjusted CP Dem	ands (MW) (2)(3)
<u>Month</u>	Demands (MW)(2)	Demands (MW)(3)	MO retail	Total AmerenUE	MO Retail	Total AmerenUE
Jul-00	107.2	<i>-</i> 64.3	7038	7727	7145.2	7769.9
Aug-00	92.5	-70.1	7401	8155	7493.5	8177.3
Sep-00	93.2	-70.6	7106	7851	7199.2	7873.7
Oct-00	60.4	-63.6	5318	5916	5378.4	5912.8
Nov-00	51.8	-109.6	4864	5489	4915.8	5431.2
Dec-00	50.1	-140.0	5645	6354	5695.1	6264.1
Jan-01	42.9	-15.6	5359	5943	5401.9	5970.2
Feb-01	20.6	-47.7	5314	5934	5334.6	5906.9
Mar-01	2.0	-7.5	4514	5105	4516.0	5099.5
Apr-01	49.1	-5.4	5091	5631	5140.1	5674.8
May-01	81.3	-5.8	6156	6749	6237.3	6824.5
Jun-01	<u>41.8</u>	<u>-49.1</u>	<u>6547</u>	<u>7240</u>	<u>6588.8</u>	<u>7232.7</u>
CP Totals						
12 CP Totals	692.9	-649.3	70,353	78,094	71,046	78,138
Jurisdictional	Factor		90.09%	100.00%	90.92%	100.00%
4 CP Totals	334.7	-254.1	28,092	30,973	28,427	31,054
Jurisdictional	Factor		90.70%	100.00%	91.54%	100.00%

⁽¹⁾ Source: Alan Bax Schedule 4.

⁽²⁾ Actual CP Demands plus Additional CP Demands for Customer Growth.

⁽³⁾ Adjust for loss of Rolla and Laclede Steel CP Demands.





AMERENUE FORM 1 MONTHLY COINCIDENT PEAKS (MW)

								%
	2001	2000	1999	1998	1997	1996	Average	Minimum
January	5943	5772	6164	5549	6224	6092	5957	1.25
February	5934	5496	5166	5141	5286	6137	5527	1.16
March	5105	4719	5276	5673	4906	5737	5236	1.10
April	5631	4488	4685	4415	4804	4537	4760	1.00
May	6749	6992	5086	6642	4464	6166	6017	1.26
June	7240	6755	7235	7601	7155	6971	7160	1.50
July	7979	7520	8399	8060	7642	7621	7870	1.65
August	7910	7836	8120	7745	7107	7511	7705	1.62
September	7142	7520	7211	7611	6868	6244	7099	1.49
October	4727	5833	4671	4868	5524	4428	5009	1.05
November	5241	5593	5166	4670	5198	5319	5198	1.09
December	5428	6348	5840	5900	5541	6045	5850	1.23

From Mr. Bax's Testimor	ıy (Yr. 2001)	,		
Maximum Demand	7,979	% of Max.		
Minimum Demand	4,727	59.24%	FERC 1 st Test (on and off-peak demand test)	94.85% - 70.12% = 24.73%
Summer Average	7,568		FERC 2 nd Test (Low to Annual peak demand)	4727 MW/ 7979 MW = 59.24%
Winter Average	5,595		FERC 3 rd Test (Average to Annual peak demand)	6252 MW/ 7979 MW = 78.36%
Average	6,252	78.36%	L	0202 (4) 47 1070 (4) 44 - 10.50 /

Using Averages from Mr.	Bax's Testimo	ony		
Maximum Demand	7,870	% of Max.		
Minimum Demand	4,760	60.48%	FERC 1 st Test (on and off-peak demand test)	94.77% - 69.17% = 25.6%
Summer Average	7,458		FERC 2 nd Test (Low to Annual peak demand)	4760 MW/ 7870 MW = 60.48%
Winter Average	5,444	69.17%	FERC 3 rd Test (Average to Annual peak demand)	6116 MW/ 7870 MW = 77.71%
Average	6,116	77.71%		51.15 MHz = 71.717

FERC TEST RANGES

	1.0111020	
	3 or 4 CP	12 CP
FERC 1 st Test (on and off-peak demand test)	26% to 31%	18% to 19%
FERC 2 nd Test (Low to Annual peak demand)	55.8% to 61.9%	66% to 80%
FERC 3 rd Test (Average to Annual peak demand)	79.4% to 81.2%	81% to 88%

A GUIDE TO FERC REGULATION AND RATEMAKING OF ELECTRIC UTILITIES AND OTHER POWER SUPPLIERS

Third Edition

Michael E. Small

Edison Electric Institute
WASHINGTON, DC

About the Author

Michael E. Small is a partner in the law firm of Wright & Talisman, P.C., Washington, D.C., which has one of the oldest and largest energy practices in Washington. Mr. Small, who also holds a B.S. in Nuclear Engineering, has been involved in hundreds of FERC cases, both as an employee of the FERC and as an outside lawyer. Mr. Small has over fourteen years of experience in matters involving FERC and about seventeen years of experience in the energy area.

While at FERC, Mr. Small was one of the first FERC staff trial supervisors in the electric utility area through his position as a Special Assistant to the Deputy General Counsel for Litigation and Enforcement. He also supervised gas pipeline rate litigation and represented FERC in electric and gas pipeline cases before federal courts.

At Wright & Talisman, P.C. (since 1985), Mr. Small has represented electric utilities and gas pipelines in proceedings at FERC, before U.S. Court of Appeals, and before the U.S. Supreme Court. Mr. Small currently is the general counsel to the Western Systems Power Pool and previously either has represented or performed work for the Edison Electric Institute and for the Interstate Natural Gas Association of America. Mr. Small also has represented and advised clients involved in the development of qualifying facilities.

On the subject of electric utility ratemaking, Mr. Small previously authored A Guide to FERC Electric Utility Ratemaking (AIS 1989), the "FERC Electric Rate Primer," 5 Energy Law Journal 1, p. 107 (1984), and the Federal Energy Regulatory Commission Electric Utility Handbook (FERC 1983). Mr. Small also has written on natural gas pipeline rate and natural gas production regulation and has taught courses on both electric and gas pipeline rate regulation.

Chapter Five—Functionalization, Classification, and Allocation

In allocating costs to a particular class of customers, there are three major steps (if all cost of service issues have been resolved): (1) functionalization, (2) classification, and (3) allocation. FERC has indicated that a guiding principle for this step is that the allocation must reflect cost causation. See, e.g., Kenneky Utilities Co., Opinion No. 116-A, 15 FERC ¶61,222, p. 61,504 (1983); Utah Power & Light Co., Opinion No. 113, 14 FERC ¶61,162, p. 61,298 (1981). 133

A. Functionalization

Generally, plant or expense items are first functionalized into five major categories:

- (1) Production;
- (2) Transmission;
- (3) Distribution;
- (4) General and Intangible; and
- (5) Common and Other.

See 18 C.FR. §35.13(h)(4)(iii) (plant); 18 C.FR. §35.13(h)(8)(i) (O&M expenses). Each plant or expense item will be segregated into the category with which it is most closely related.

While functionalization for most items is relatively straightforward, and not usually linguisted, problems do arise with respect to the functionalization of administrative and general expenses (A&G)¹³⁴ and general plant expenses. FERC stated that:

The Commission normally requires that A&G and General Plant expenses be allocated on the basis of total company labor ratios. Under such allocation method, A&G and General Plant expense items are 'functionalized,' or segregated into...

Where a company has significant non-jurisdictional business, the above cost incurrence principle is important in keeping FERC within its jurisdictional constraints. See Panhandle Eastern Pipe Line Co. v. FPC, 324 U.S. 635, 641-42 (1945) ("the Commission must make a separation of the regulated and unregulated business...Otherwise the profits or losses...of the unregulated business would be assigned to the regulated business and the Commission would transgress the jurisdictional lines which Congress wrote into the Act").

¹³⁴ A&G expenses include salanes of officers, executives, and office employees, employee benefits, insurance, etc.

General plant includes office furniture and equipment, transportation vehicles, lockers, tools, lab equipment, etc.

production, transmission, distribution, customer accounts, customer service, information, and sales. This 'functionalization' is in proportion to the ratio of the labor cost in each major function to total labor costs less A&G and General Plant labor. Each functionalized component is allocated to customer groups.

Utah Power & Light Ca., Opinion No. 308, 44 FERC ¶61,166, p. 61,549 (1988). See also Minnesota Power & Light Ca., Opinion No. 20, 4 FERC ¶61,116, p. 61,268 (1978) (general plant will be functionalized by labor ratios unless it is shown that the use of labor ratios produces unreasonable results). In many cases, FERC has allowed labor ratios to be used to functionalize general plant. See, e.g., Utah Power & Light Co., Opinion No. 308, 44 FERC at 61,549; Kansas City Power & Light Co., 21 FERC ¶63,003, p. 65,034 (1982), affd, 22 FERC ¶61,262 (1983); Delmana Power & Light Co., 17 FERC ¶63,044, p. 65,204 (1981), affd, Opinion No. 185, 24 FERC ¶61,199 (1983); Philadelphia Electric Co., 10 FERC ¶63,034, pp. 65,355-56, affd, 13 FERC ¶61,057 (1980). Similarly, FERC has required that most A&G expenses be functionalized on the basis of labor ratios. Missouri Power & Light Co., Opinion No. 31, 5 FERC ¶61,086, pp. 61,137-38 (1978); Kansas City Power & Light Co., Opinion No. 31, 5 FERC ¶61,086, pp. 61,137-38 (1978); Kansas City Power & Light Co., 21 FERC at 65,035; Delmana Power & Light Co., 17 FERC at 65,204. An exception to this has been established for property insurance which has been functionalized on plant ratios. Pacific Gas & Electric Co., 16 FERC ¶63,004, pp. 65,015-16 (1981), affd, Opinion No. 147, 20 FERC ¶61,340 (1982); Kansas-Nebraska Natural Gas Co., Opinion No. 731, 53 FPC 1691, 1722 (1975).

Common plant and intangible plant also have been analogized to general plant and functionalized on the basis of labor ratios. Kansas City Power & Light, 21 FERC at 65,035; Delmarva Power & Light Ca., 17 FERC at 65,204; Philadelphia Electric, 10 FERC at 65,355-56.

Another issue that has arisen is the calculation of the labor ratios. Usually, the labor ratio consists of total labor costs in the denominator with the labor costs associated with a particular category in the numerator. In a number of proceedings, companies have attempted to change the ratio by only including production, transmission, and distribution-related labor costs in the denominator, thereby excluding customer service related labor costs. FERC rejected this in at least one case. Kansas City Power & Light, 21 FERC at 65,033-34.

B. Classification

After functionalizing, the next step is to classify those expenses or costs into one of three categories (1) demand, (2) energy, or (3) other. See 18 C.F.R. §35.13(h)(8)(ii)(A).

FERC's Staff for a number of years has used the predominance method for classifying production O&M accounts. Under this method if an account is predominantly (51-100%) energy-related, it will be classified as energy. The same also is true with respect to demand related costs. FERC has accepted this method in a number of cases. See, e.g., Arizona Public Service Co., 4 FERC ¶61,101, pp. 61,209-10 (1978); Illinois Power Co., 11 FERC ¶63,040, pp. 65,255-56 (1980), aff'd, 15 FERC ¶61,050, p. 61,093 (1981); Kansas City Power & Light

Co., 21 FERC ¶63,003, p. 65,037 (1982), aff'd, 22 FERC ¶61,262 (1983); Minnesota Power & Light Co., Opinion No. 86, 11 FERC ¶61,312, pp. 61,648-49 (1980). 136

In addition to FERC's adoption of Staff's predominance method, FERC also has adopted Staff's classification index of production O&M accounts. Arizona Public Service Co., 4 FERC at 61,209-10; Kansas City Power & Light, 21 FERC at 65,037; Minnesota Power & Light Co., 11 FERC at 61,648-49. In Montaup Electric Co., Opinion No. 267, 38 FERC at 61,864, FERC rejected a proposed rate tilt, finding that the "proposal is inconsistent with the classification table of predominant characteristics for operation and maintenance accounts used by Staff, which has been approved by the Commission." In Southern Company Services, Opinion No. 377, 61 FERC ¶61,075, p. 61,311 (1992), reh. denied, 64 FERC ¶61,033 (1993), FERC, however, stated that the Staff index is not mandatory. FERC accepted a departure from the Staff's index, though it held that a party proposing a departure has the burden of justifying that departure.

C. Allocation

After classifying costs to demand, energy, and customer categories, the next step is to allocate these costs to the various classes to determine their respective cost responsibilities. In the past, the most hotly litigated allocation issue involved demand cost allocation. Typically, FERC has allocated demand costs on a coincident peak (CP) method. Houlton v. Maine Public Service Ca., 62 FERC ¶63,023, p. 65,092 (1992) ("Maine Public has cited a legion of Commission decisions affirming the use of a coincident peak demand allocator.... And, it denies knowledge of 'any decision, involving an electric utility since the FERC came into existence in 1977, where FERC did not follow a coincident peak method of allocating demand costs'"). In Lockhan Power Co., 4 FERC ¶61,337, p. 61,807 (1978), FERC stated that its "general policy is to allocate demand costs on the basis of peak responsibility as is demonstrated by the overwhelming majority of decided cases." See also Houlton v. Maine Public Service Co., 62 FERC at 65,092. Under a CP method, the demands used in the allocation are the demands of a particular customer or class occurring at the time of the system peak for a particular time period. The basic assumption behind this method is that capacity costs are incurred to serve the peak needs of customers.

1. Coincident Peak Allocation

In most cases, FERC has accepted one of four CP methods—1 CP, 3 CP, 4 CP, and 12 CP, with the largest number of companies using a 12 CP allocation. Under a 1 CP method, the allocator for a particular wholesale class will be developed by dividing the wholesale class's CP for the peak month by the total company system peak. Similarly, for 3, 4, and 12

¹³⁶ If a company is able to justify a percentage split, such as 70-30, in an account, then FERC may accept that split. However, in light of FERC precedent on this subject, any party proposing a deviation from the predominance method likely will have the burden of justifying its proposed split.

CP companies the numerator would consist of the average of the wholesale class's coincident peaks for each of the peak months, while the denominator would consist of the average of the total system peaks for each of the peak months. FERC has held that interruptible loads should not be reflected in this demand allocation. See Delmarva Power & Light Co., Opinion No. 189, 25 FERC at 61,121; Delmarva Power & Light Co., Opinion No. 185, 24 FERC ¶61,199, p. 61,462 (1983).

While FERC has not established a hard and fast rule for determining which allocation method is appropriate, it has stated that the following factors should be considered:

[T]he full range of a company's operating realities including, in addition to system demand, scheduled maintenance, unscheduled outages, diversity, reserve requirements, and off-system sales commitments. (footnote omitted).

Carolina Power & Light Co., Opinion No. 19, 4 FERC ¶61,107, p. 61,230 (1978); Commonwealth Edison Co., 15 FERC ¶63,048, p. 65,196 (1981), aff'd, Opinion No. 165, 23 FERC ¶61,219 (1983); Illinois Power Co., 11 FERC ¶63,040, pp. 65,247-48 (1980), aff'd, 15 FERC ¶61,050 (1981). See also Houlton v. Maine Public Service Co., 62 FERC at 65,092 (applying FERC's various tests in finding that a 12 CP was appropriate).

a. System Demand Tests

If a utility's system demand curve is relatively flat, then that supports the use of a 12 CP method under FERC precedent. If a utility experiences a pronounced peak during one, three, or four consecutive months, then under FERC precedent the use of another CP method would be supported.

In determining whether a utility experiences a pronounced peak during a particular time period, FERC considers a number of tests. First, FERC has compared the average of the system peaks during the purported peak period, as a percentage of the annual peak, to the average of the system peaks during the off-peak months, as a percentage of the annual peak. FERC has held that large differences between these two figures lends support to using something other than a 12 CP method, while a smaller difference supports 12 CP, as shown below: 138

Louisiana Power & Light Co.,
 Opinion No. 813,
 FPC 968 (1977)
 (31% difference—4 CP);

FERC ordered that the revenues from the interruptible loads be credited to the cost of service. Delmara Power & Light Co., 28 FERC ¶61,279, p. 61,510 (1984).

See also Houlion v. Maine Public Service Co., 62 FERC ¶63,023, p. 65,092 (1992) (the AL] stated that "using established Commission tests that compare average monthly peaks with the annual peak, lowest monthly peak to the annual peak, average monthly demand peaks of the peak season to the monthly demand peaks of the off-peak service" Maine Public is a 12 CP company).

- (2) Louisiana Power & Light Co., Opinion No. 110, 14 FERC ¶61,075 (1981) (26% difference—4 CP);
- (3) Lockhart Power Ca.
 Opinion No. 29,
 4 FERC ¶61,337 (1978)
 (18% difference—12 CP);
- (4) Illinois Power Co., 11 FERC at 65,248, (19% difference—12 CP);
- (5) Commonwealth Edison Co., 15 FERC at 65,196 (16.4-24.9% differences—4 CP);
- (6) Southwestern Public Service Co.,18 FERC at 65,034(average difference of 22.9%; high of 28.3%—3 CP).

FERC also has used a second test involving the lowest monthly peak as a percentage of the annual peak. The higher the percentage, the greater the support for 12 CP. This test has been used in the following cases:

- Louisiana Power & Light Co.,
 Opinion No. 813,
 59 FPC 968 (1977)
 (56%—4 CP);
- (2) Idaho Power Co.,Opinion No. 13,3 FERC ¶61,108 (1978)(58%—3 CP);
- (3) Southwestern Electric Power Ca.,
 Opinion No. 28,
 4 FERC ¶61,330 (1978)
 (55.8%—4 CP);
- (4) Lockhan Power Co.,
 Opinion No. 29,
 4 FERC ¶61,337 (1978)
 (73%--12 CP);

- (5) Southern California Edison Co.,
 Opinion No. 821,
 59 FPC 2167 (1977)
 (79%—12 CP);
- (6) Alabama Power Ca., Opinion No. 54, 8 FER C ¶61,083 (1979) (75%—12 CP);
- (7) Illinois Power Co., 11 FERC at 65,248 (66%—12 CP);
- (8) Commonwealth Edison Co., 15 FERC at 65,198 (64.6-67.8%-4 CP);
- (9) Louisiana Power & Light Co., Opinion No. 110, 14 FERC ¶61,075 (1981) (61.9%—4 CP);
- (10) El Paso Electric Co., Opinion No. 109, 14 FERC ¶61,082 (1981) (71%—12 CP);
- (11) Carolina Power & Light Co., Opinion No. 19, 4 FERC ¶61,107 (1978) (72%—12 CP);
- (12) New England Power Co., Opinion No. 803, 58 FPC 2322 (1977) (80%—12 CP);
- (13) Southwestern Public Service Ca., 18 FERC at 65,034 (on average, almost 67 percent—3 CP); and

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(14) Delmarua Power & Light Ca,
17 FERC at 65,201
(71.4%—12 CP).
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Another test that has been utilized by FERC is the extent to which peak demands in non-peak months exceed the peak demands in the alleged peak months. In Carolina Power & Light Co., Opinion No. 19, 4 FERC at 61,230, FERC adopted a 12 CP approach where the monthly peaks in three nonpeak months exceeded the peaks in two of the alleged peak months. In Commonwealth Edison Co., 15 FERC at 65,198, FERC adopted a 4 CP method where over a four year period, a peak in one of the 4 peak months was exceeded only once by a peak from a non-peak month. See also Southwestern Public Service Co., 18 FERC at 65,034 (monthly peak in any non-peaking month exceeded the monthly peak in peak month only once and 3 CP adopted).

A last test involves the average of the twelve monthly peaks as a percentage of the highest monthly peak and has been used in the following cases:

- Illinois Power Co.,
 11 FERC at 65,248-49
 (81%-12 CP);
- (2) El Paso Electric Co.
 Opinion No. 109,
 14 FERC ¶61,082 (1981)
 (84%—12 CP);
- (3) Lockhart Power Ca.,Opinion No. 29,4 FERC ¶61,337 (1978)(84%—12 CP);
- (4) Southern California Edison Co., Opinion No. 821, 59 FPC 2167 (1977) (87.8%—12 CP);
- (5) Louisiana Power & Light Ca.,
 Opinion No. 110,
 14 FERC ¶61,075 (1981)
 (81.2%—4 CP);
- (6) Commonwealth Edison Co., 15 FERC at 65,198 (79.4-79.5%-4 CP);

- (7) Southwestern Public Service Co., 18 FER.C at 65,035(80.1%—3 CP); and
- (8) Delmarva Power & Light Ca, 17 FERC at 65,202 (83.3%—12 CP).

b. Tests Relating to Reserves/Maintenance

To the extent a utility uses the off-peak months to perform its scheduled maintenance, FERC has found that supportive of the use of a 12 CP method. Alabama Power Co., Opinion No. 54, 8 FERC ¶61,083, p. 61,327 (1979); Illinois Power Co., 11 FERC at 65,249; New England Power Co., Opinion No. 803, 58 FPC 2322, 2338 (1977); Delmarra Power & Light Co., 17 FERC at 65,202. But see Commonwealth Edison, 15 FERC at 65,199. 139

However, the scheduled maintenance must be considered together with the reserves available after the maintenance. To the extent the reserve margins are fairly stable after maintenance, then a 12 CP method is supported. If the reserve margins drop substantially to marginal levels during certain months, then a method other than 12 CP may be supported. See, e.g., Illinois Power Co., 11 FERC at 65,249 (46 percent reserves after maintenance non-summer months and 34.5 percent for summer months—12 CP); Commonwealth Edison Co., 15 FERC at 65,200 (for 1979 36.63 percent reserves after maintenance for 8 non-summer months and 22.15 percent for 4 summer months—4 CP).

c. Projection of CP and Total System Demands

In a number of cases, parties and the FERC Staff have challenged the filing company's estimated coincident peak or total system demand estimates. 140 While FERC appears to have established few hard and fast rules, the following cases provide some guidance. First, parties have challenged projections on the basis that the historical periods used were not representative. In some cases, FERC has held that multiple years of historical data should be

In Southwestern Public Service Co., Opinion No. 337, 49 FERC ¶61,296, p. 62.132 (1989), FERC declined to depart from the 3 CP method based on "monthly load patterns and reserve margins as affected by scheduled maintenance" which "show that Southwestern's capacity requirements are largely determined by the peak demands imposed on the system during a three-month summer period."

In Blue Ridge Power Agency v. Appalachum Power Co., Opinion No. 363, 55 FERC \$61,509, p. 62,788 (1991), FERC accepted the Staff's method for deriving a coincident peak estimate. The Staff asserted that the noncoincident peak estimate must be divided by the diversity factor to convert each noncoincident peak demand into a comparable coincident peak demand. 55 FERC at 62,788-89. The "diversity factor is the noncoincident peak demand divided by the coincident peak demand." 55 FERC at 62,788 n. 87. FERC, however, stated that "[n]ormally, we would calculate the coincident peak demand for the sales for resales group by looking at its consumption at the time of Appalachian's peak. In this case, however, we have the forecasted monthly noncoincident peak demands for the customer group" and that "[u]sing the historical diversity factor for the group, we can derive the calculated coincident peak." Id.

used in developing the estimate and not just one year. See, e.g., Otter Tail Power Co., Opinion No. 93, 12 FERC ¶61,169, p. 61,429 (1980); Commonwealth Edison Co., 15 FERC at 65,190, aff'd, Opinion No. 165, 23 FERC ¶61,219 (1983) (3 year average adopted); Southern California Edison Co., Opinion No. 359-A, 54 FERC at 62,020 (accepted system peak demand and energy sales forecasts based on 1967-1981 data and 1981 coincidence factors). In other cases, FERC, however, has adopted CP projections based on the use of one year's data. See, e.g., Carolina Power & Light Co., Opinion No. 19, 4 FERC at 61,229-30.

Second, FERC has expressed concern that the numerator and the denominator be developed on similar bases. In Otter Tail Power Co., Opinion No. 93, 12 FERC at 61,429, FERC modified a demand allocator to provide for the use of the same number of years data in the derivation of both the numerator and the denominator.

Finally, FERC has held that billing demands should be consistent with the demands used in the demand allocator. See El Paso Electric Co., Opinion No. 109, 14 FERC ¶61,082, p. 61,147 (1981).

Energy Allocation Factor Adjustments (kWh's)

July 2000 - June 2001

	Missouri Retail <u>Usage (kWh)</u>	Missouri Wholesale <u>Usage (kWh)</u>	Illinois <u>Usage (kWh)</u>	Total <u>Usage (kWh)</u>
Total Usage*	32,009,845,300	854,692,200	3,171,890,900	36,036,428,400
Jurisdictional Losses**	2,462,787,690	32,241,540	183,733,360	2,678,762,590
Adjusted System Input	34,472,632,990	886,933,740	3,355,624,260	38,715,190,990
Adjustment 1 Losses	(969,081,000) (74,522,329)		(53,747,000) (3,111,951)	(1,044,309,000) (78,444,114)
Lusses	(14,322,329)	(603,034)	(3,111,931)	(10,444,114)
Adjustment 2		(153,593,010)		(153,593,010)
Losses		(5,790,456)		(5,790,456)
Adjustment 3			(237,362,400)	(237,362,400)
Losses			(5,127,028)	(5,127,028)
Adjustment 4	(18,103,848)			(18,103,848)
Losses	(1,091,662)			(1,091,662)
Adjustment 5	(60,553,690)			(60,553,690)
Losses	(3,651,388)			(3,651,388)
Adjustment 6	30,352,000			30,352,000
Losses	2,334,068.80			2,334,069
Adjustment 7	287,384,513			287,384,513
Losses	22,099,869			22,099,869
Output for Load	33,687,799,524	705,259,440	3,056,275,881	37,449,334,845
Percentage	89.96%	1.88%	8.16%	100.00%

^{*} Source: Alan Bax Direct Testimony, Schedule 6.

^{**} Adjusted for average jurisdictional losses.

Adjustment 1 - Normalized Weather per Bax, Schedule 6.

Adjustment 2 - Rolla Adjustment per Bax, Schedule 6.

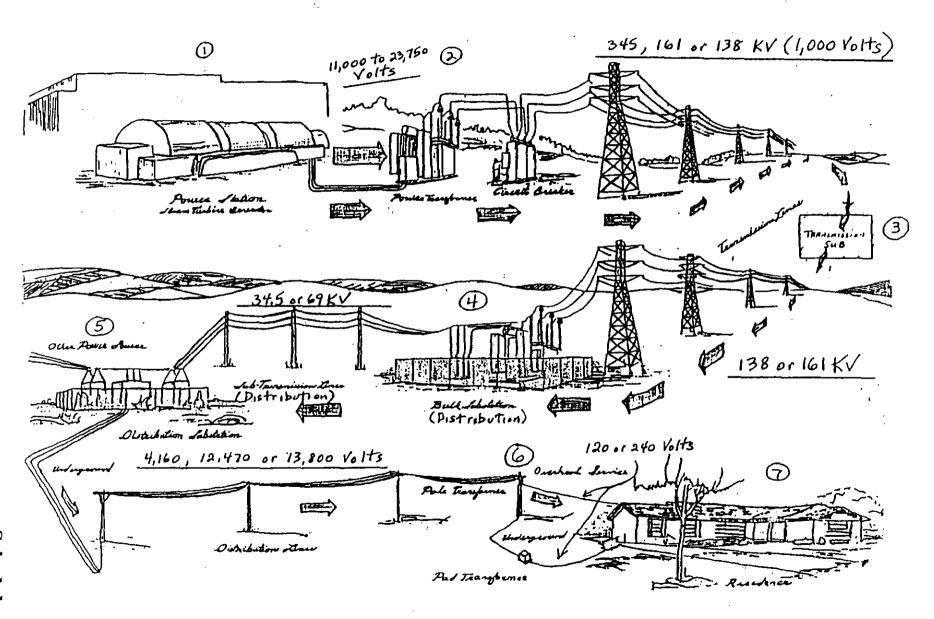
Adjustment 3 - Adjustment to Laclede Steel Sales to reflect bankruptcy operation.

Adjustment 4 - Miscellaneous Adjustment per Pyatte, Schedule 2.

Adjustment 5 - Rate Switching Adjustment per Pyatte, Schedule 2.

Adjustment 6 - 365 Day Normalization Adjustment per Pyatte, Schedule 2.

Adjustment 7 - Customer Growth Adjustment per Pyatte, Schedule 2.



UNION ELECTRIC COMPANY ELECTRIC COST OF SERVICE ALLOCATION STUDY TEST YEAR: 12 MONTHS ENDED JUNE 2001

TITI	LE: SUMMARY (\$000's)						SMALL		LARGE		SMALL	1	LARGE
		M	<u>ISSOURI</u>	<u>RI</u>	SIDENTIAL	<u>G</u>	<u>EN SERV</u>	<u>G</u>	EN SERV	PI	RIMARY	PR	UMARY
1	BASE REVENUE	\$	1,773,763	\$	786,445	\$	226,660	\$	393,395	\$	204,361	\$	162,901
2	OTHER REVENUE	2	73,128	\$	40,919	\$	7,826	\$	13,203	\$	6,028	\$	5,153
3	LIGHTING REVENUE	\$	25,633	\$	13,246	\$	3,175	\$	5,334	\$	2,120	\$	1,758
4	SYSTEM REVENUE	\$	(3,744)	\$	(1,892)	\$	(453)	\$	(787)	\$	(339)	\$	(272)
5	RATE REVENUE VARIANCE	<u>\$</u> _	626	\$	323	<u>\$_</u>	78	\$	130	\$	52	<u>\$</u>	43
6	TOTAL OPERATING REVENUE	\$	1,869,405	\$	839,040	\$	237,285	\$	411,275	\$	212,222	\$	169,582
7													
8	TOTAL PROD., T&D, CUST., AND A&G EXP.	\$	971,740	S	455,212	\$	115,777	\$	204,379	\$	105,788	\$	90,583
9	TOTAL DEPR. AND AMMORT, EXP.	\$	278,979	\$	144,806	\$	34,774	\$	57,982	\$	22,637	\$	18,780
10	REAL ESTATE AND PROPERTY TAXES	\$	78,116	\$	40,683	\$	9,750	\$	16,210	\$	6,273	\$	5,201
11	INCOME TAXES	\$	162,739	\$	84,096	\$	20,159	\$	33,864	\$	13,459	\$	11,161
12	PAYROLL TAXES	\$	16,944	\$	8,387	\$	1,996	\$	3,449	S	1,681	\$	1,430
13	FEDERAL EXCISE TAX	\$	(117)	\$	(56)	\$	(14)	\$	(27)	\$	(11)	\$	(9)
14	REVENUE TAXES	\$	-	S	-	\$	-	\$	-	5	-	\$	-
15	TOTAL OPERATING EXPENSES	\$	1,508,401	\$	733,129	\$	182,442	\$	315,857	\$	149,826	<u> </u>	127,146
16					•		. , -	-	,	•	.,	-	,
17	NET OPERATING INCOME	\$	361,003	\$	105,911	\$	54,843	\$	95,418	S	62,395	\$	42,436
18							·		•		•		•
19	GROSS PLANT IN SERVICE	\$	8,145,416	\$	4,242,096	\$	1,016,695	\$	1,690,221	\$	654,097	\$	542,307
20	RESERVES FOR DEPRECIATION	\$	3,518,877	\$	1,833,165	\$	436,650	\$	732,878	\$	282,314	\$	233,870
21	NET PLANT IN SERVICE	\$	4,626,539	\$	2,408,931	\$	580,045	\$	957,343	\$	371,782	S	308,437
22							·		-		·		,
23	MATERIALS & SUPPLIES - FUEL	\$	125,294	\$	47,899	\$	14,244	\$	30,042	s	17,701	s	15,408
24	MATERIALS & SUPPLIES -LOCAL	\$	17,020	\$	10,316	\$	2,233	\$	2,954	\$	855	s	661
25	CASH WORKING CAPITAL	\$	34,382	\$	16,106	\$	4,096	\$	7,231	\$	3,743	\$	3,205
26	CUSTOMER ADVANCES & DEPOSITS	\$	(23,301)	\$	(9,918)	\$	(7,755)	\$	(3,398)	S	(714)		(1,515)
27	ACCUM. DEFERRED INCOME TAXES	S	(810,067)		(421,879)				(168,094)		(65,050)		(53,933)
28	TOTAL NET ORIGINAL COST RATE BASE		3,969,867		2,051,454		491,753	_	826,080		328,317	_	272,264
29			,	•	, ,	-		-		-	-,,-	-	· - • - ·
30	RATE OF RETURN		9.094%		5.163%		11.153%		11.551%		19.005%		15.586%

UNION ELECTRIC COMPANY MISSOURI CASE NO. EC-2002-1

CLASS REVENUE REQUIREMENTS AT EQUAL RATES OF RETURN (\$000's)

Customer Class	Current Base Revenue	Proposed Base Revenue	F	Required Revenue djustment	% Change
Residential	\$ 786,445	\$ 867,085	\$	80,640	10.25%
Small General Service	\$ 226,660	\$ 216,535	\$	(10,125)	-4.47%
Large General Service	\$ 393,395	\$ 373,097	\$	(20,298)	-5.16%
Small Primary Service	\$ 204,361	\$ 171,822	\$	(32,539)	-15.92%
Large Primary Service	\$ 162,901	\$ 145,223	<u>\$</u> _	(17,678)	<u>-10.85%</u>
Total	\$ 1,773,762	\$ 1,773,762	\$	-	0.00%

UNION ELECTRIC COMPANY EQUALIZED CLASS RATES OF RETURN ANALYSIS TEST YEAR: 12 MONTHS ENDED JUNE 2001

	TITLE: SUMMARY EQUAL ROR (\$000's)						SMALL		LARGE		SMALL		LARGE
		M	<u>ISSOURI</u>	RE:	SIDENTIAL	<u>G</u>	EN SERV	GI	EN SERV	PI	RIMARY	<u>P</u>	RIMARY
1	BASE REVENUE	\$ 1	,773,763	\$	867,085	s	216,535	\$	373,097	\$	171,822	s	145,223
2	OTHER REVENUE	\$	73,128	\$	40,919			\$		S			5,153
3	LIGHTING REVENUE	\$	25,633		13,246	\$	3,175	\$	5,334	\$	•	-	1,758
4	SYSTEM REVENUE	\$	(3,744)	\$	(1,892)	\$	(453)	\$	(787)	\$			(272)
5	RATE REVENUE VARIANCE	\$	626	\$		\$	78	\$	130	\$. ,		43
6	TOTAL OPERATING REVENUE	\$1	,869,405	\$	919,680	\$	227,160	\$	390,977	\$	179,682	\$	151,905
7													
8	TOTAL PROD., T&D, CUSTOMER, AND A&G EXP.	\$	971,740	\$	455,212	\$	115,777	\$	204,379	\$	105,788	\$	90,583
9	TOTAL DEPR. AND AMMOR. EXPENSES	\$	278,979	\$	144,806	\$	34,774	\$	57,982	\$	22,637	\$	18,780
10	REAL ESTATE AND PROPERTY TAXES	S	78,116	\$	40,683	\$	9,750	\$	16,210	\$	6,273	\$	5,201
11	INCOME TAXES	\$	162,739	\$	84,096	\$	20,159	\$	33,864	\$	13,459	\$	11,161
12	PAYROLL TAXES	S	16,944	\$	8,387	\$	1,996	S	3,449	\$	1,681	\$	1,430
13	FEDERAL EXCISE TAX	\$	(117)	\$	(56)	\$	(14)	\$	(27)	\$	(11)	\$	(9)
14	REVENUE TAXES	\$		\$	-	\$	<u> </u>	\$	<u>-</u>	S		\$	
15													
16	TOTAL OPERATING EXPENSES	\$ 1	,508,401	\$	733,129	\$	182,442	\$	315,857	\$	149,826	\$	127,146
17													•
18	NET OPERATING INCOME	\$	361,003	\$	186,551	s	44,718	\$	75,120	S	29,856	\$	24,759
19													,
20	GROSS PLANT IN SERVICE	\$8	3,145,416	\$	4,242,096	\$	1,016,695	\$1	,690,221	\$	654,097	\$	542,307
21	RESERVES FOR DEPRECIATION	\$ 3	3,518,877		1,833,165		436,650		732,878		282,314	<u>\$</u>	233,870
22													
23	NET PLANT IN SERVICE	\$4	1,626,539	\$	2,408,931	\$	580,045	\$	957,343	\$	371,782	\$	308,437
24													
25	MATERIALS & SUPPLIES - FUEL	\$	125,294	\$	47,899	S	14,244	\$	30,042	\$	17,701	\$	15,408
26	MATERIALS & SUPPLIES -LOCAL	\$	17,020	\$	10,316	\$	2,233	\$	2,954	\$		\$	661
27	CASH WORKING CAPITAL	\$	34,382	S	16,106	\$	4,096	\$	7,231	\$	3,743	\$	3,205
28	CUSTOMER ADVANCES & DEPOSITS	\$	(23,301)	\$	(9,918)	\$	(7,755)	\$	(3,398)	\$			(1,515)
29	ACCUMULATED DEFERRED INCOME TAXES	<u>\$</u>	(810,067)	\$	(421,879)	\$	(101,111)	\$	(168,094)	\$	(65,050)	\$	(53,933)
30					_		_	-					- :
31	TOTAL NET ORIGINAL COST RATE BASE	\$ 3	3,969,867	\$	2,051,454	\$	491,753	\$	826,080	\$	328,317	\$	272,264
32			- •			-	, -	-	.,	-	- •-	-	, •
_	RATE OF RETURN		9.094%		9.094%		9.094%		9.094%		9.094%		9.094%

AmerenUE Missouri - Commission Verification Report for Revenue Month January 2002

		•	,	for	Revenue Mor	th January 200	2				
	Revenue Class/Rate Class	Number of Customers	Billed Sales (kWh) from CSS CURST	Net Rate Revenue(\$) Excludes GRT from CSS CURST235	Revenue Credits	GRT Taxes (CURST 233- 235)	Gross Rate Revenue(\$) Includes GRT from CSS CURST233	Booked Sales (kWh) from Gen Acct	Booked Revenue (\$)	Variance	Variance Revenue
	Residential	1						Acci 255,325,410	from GA	Sales (kWh)	
	COMMERCIAL	CONTRACTOR OF THE CONTRACTOR	BEEF THE STATE OF THE SE	SECURITIES NEWSFILM	(1) 维持克斯斯尼斯斯尼斯		56.400.000.700	ARCANUS	建设设/UN80.23 (2000年的1800	Sep.
į		ļ		ļ		ļ	l I				{
	2(M) Small General Svc	2,926		İ :			1	NOTE GL TOTALS	LISTED IN SUMM	ARY LINE	. 1
	Single Phase	ļ	2,849,238	\$159,374		\$6,548					{
	TOU Single Phase		5,449	\$300		\$15	\$315	•			ł
	Three Phase	ļ	32,506,219	\$1,781,797		\$117,297	\$1,899,094		l		
i	TOU Three Phase		146,400	\$7,381		\$358	\$7,739		j		1
	Unmetered	{	560	\$50		\$5	\$55				
	3(M) Large General Svc LGS TOU Demand	7,397	513,239,329 116,354	\$22,179,528 \$6,214		\$1,426,855 \$412	\$23,606,383 \$6,626				
	4(M) Small Primary Svc							Ì			
	Substn Disc	434	B 022 000	\$280,292		£40.070				1	
	Sm Prim Ele	ļ	8,033,886 206,586,389	\$7,932,787		\$18,373 \$522,865			,		
1		}	200,300,363	\$7,502,767		\$32Z,003	\$8,4 55,652		İ		
	11(M) Large Primary Svc Substn Disc	20	7,618,722	\$271,145		\$8,766	\$279,911				
-	Lg Prim	ļ	70,672,417	\$2,501,959		\$224,122		}	į.	1	Į.
	i	}		}					ĺ		İ
	Other	<u> </u>		\$ 15		\$2	\$17		ļ	ŀ	1
	3, 4, 11:M Blended Tax	}	663,100	\$24,597	ı	\$2,368	\$26,965			:	ļ
ı	RF Commercial	132,755	273,856,728	\$16,031,306		\$894,905	\$16,926,211		ł	ļ	
	COMMERCIAL SUMMARY	143,532	1,116,294,791	\$ 51,176,745		\$3,222,891	\$54,399,636	1,121,399,242	\$54,424,528	-5,104,451	-\$24,892
	INDUSTRIAL	The standing	THE STATE OF THE S		San Ballion	李精神学生	112		。 · 赫馬公士()(Auto	Ri annasisi	31, 3
	2(M) Small General Svc	268						NOTE GL TOTALS	STED IN CIMAL		370 371-313-54
	Single Phase		736,229	\$2,117		\$649	\$2,766			V. LINE	
ł	Three Phase		3,181,157	\$164,019		\$9,832	\$173,851				a de la companya de l
	TOU Three Phase (2.38)		ō	-\$0	100	\$0	So				
	Three Phase Sub Disc	经 数据600000	2 202,495	≘∜- কেটক ে\$10,109	61.6	\$954	\$11,063				
	是是这种"被约约和第	\$150 P-130		2条 经投资额	100	2 100 0	40多点码。				\$45° (45°)
	3(M) Large General Svc.	1,14,128	· 使建筑成绩	39.00		3万岁至2		机电路工业		1286	
	LGS		135,515,558	Annual Contract Contr		\$235 462	\$3,835,920	1967	Nived to a		
	-TOU Demand		54,489	\$2,257		\$119	\$2,376			10.00	
	4(M) Small Primary Svc	200					差数及注意		(B) (# 12 1)		Mark 1975
	Substn Disc:		22,451,507	\$814,926		\$48,286	\$863,212		Same day	20.2	
i	Smi Prim Ele 😘 🚓 😘		108 103 038	\$4,257,852	A COL	\$270,715	\$4,528,567	er a livegre	高级电影 第1	大道影響	and A.Y
		加克克		对其类型的	有一种	3000000					(1)
i	之是"大型"。"是""是"。"是"。"是"(1)	多數量				5.22	建造工具			No. of the second	
	11(M) Large Primary Svc	37 E 37								100000	
	Substri Disc TOU Substri Disc		- 96 458 693	\$3,349,198 \$193,941		\$116,411	\$3,465,609				
	Lo Prim Elec	3.310	5,426,979 129,285,031	CHARLEST AND AND AND AND AND AND AND AND AND AND		\$8,728 -\$229,117	\$202,669 \$4,870,299	Sign Market Wa			A
	2. 200 (A. 2006) (B. 2006)	100.00	VERSION SE			Control of		是公司的	2000年1月1日		
ĺ	RF Industrial	3,618	11,018,556	\$615,660	48.5	\$33,787	\$649,447		通過 數 3.5		
					CHATAC		[2] [2]			遊話部	
	INDUSTRIAL SUMMARY	5,251	51 (433 732	· ,::::::::17,651,719		\$954,060	\$18,605,779	442,785,975	\$18,577,502	68,647,757	\$28,277
	一門は かっとう はんかん かんかん はんかん はんかん かんかん かんかん かんかん はんかん はんかん はんかん はん はんかん はんかん はんかん はんかん はんかん はんかん はんかん はんかん はんかん はんかん はんかん はんかん はん はんかん はんない はんかん はんかん はんかん はんかん はんかん はんかん はんかん はんか	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1						TO THE PROPERTY.	* Act of the name of the Page 2007		C - 1200 (4 St.)
		ATTECHNOLOGY					1				1
	STREET CHWOLEGHING										
	STREET & UNIVERSATINGS S(B) Egining (Company) Owned!	257						lete de portais.	STECHNSIMM	EV ENE	
	STREETS OWY LIGHTING	Te die	27804S	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		• : 15≈30	41.0-Z 6 p. 0	NOTE CLYON IS	STEDIN SIMM	ay ene	
	STREET S. 1907 LIGHTINGS S(M) Lagining (Contrary) Owned! 442 Compression (Ministration) Clared (Ministration) Clared (Ministration) Clared (Ministration) Clared (Ministration) Clared (Ministration) Clared (Ministration)		2 26013	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 2 2 5 1 5 5 5		NOTE OF TOTALS	STEO WESTMAN	BY ENE	
	STREET & HWY LIGHTING S(M) Lightling (Contrary Control) 12 Control (M) - Min	37 84 84		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		30 S 31 S 0		NOTE OF TOTALS	STEDW SIMM	FY INE	

AmerenUE Missouri - Commission Verification Report for Revenue Month January 2002

					in validary 2002		-			
		Billed Sales (kWh)	2.77	Revenue Credits	GRT Taxes (CURST 233-	Gross Rate Revenue(\$) Includes GRT from CSS CURST233	Booked Sales (kWh) from Gen Acct	Booked Revenue (\$) from GA	Variance Sales (kWh)	Variance Revenue (\$)
F42 Cost periodines con										
Allen on the Social Soc										
TOTAL MISSOURI RETAIL	1,130,825	2,896,482,147	\$137,348,299	ı	\$6,844,726	\$144 ,193,025	2,831,385,119	\$144,087,378	65,097,028	\$105,647
WHOLESALE	10	52,828,004	\$1,551,383		\$0	\$1,551,383	52,828,004	\$1,527,601	0	\$23,782
TOTAL MISSOURI	1,130,835	2,949,310,151	\$138,899,682	!	\$ 6,844,726	\$145,744,408	2,884,213,123	\$145,614,979	65,097,028	\$129,429

Table 4 (Updated)
Relative Changes of Union Electric's Retail Rate during the EARP Period

Rate Comparison by		Average Retail Rat	tes (includes customer cr	edits) in cents/kWh	Percent Change in A	Average Retail Rate:
Customer Class		1994	1999	2000	1994-1999	1994-2000
UE-MO	Residential	7.53	7.22	7.06	-4.1%	-6.2%
	Commercial	6.23	5.94	5.69	-4.7%	-8.7%
	Industrial	5.06	4.72	4.73	-6.7%	-6.5%
	Ultimate	6.48	6.17	6.04		-6.8%
West North Central	Residential	7.49	7.44	7.48	-0.7%	-0.1%
The state of the s	Commercial	6.36	6.11	6.08	-3.9%	-4.4%
	Industrial	4.36	4.39	4.38	0.7%	0.5%
	Ultimate	5.80	5.83	5.84	0.5%	0.7%
East North Central	Residential	8.52	8.25	8.09	-3.2%	-5.0%
	Commercial	7.37	7.15	6.94	-3.0%	-5.8%
	Industrial	4.76	4.57	4.29	-4.0%	-9.9%
	Ultimate	6.59	6.44	6.21	-2.3%	-5.8%

Notes:

- 1 1994-1999 results have been presented in Table 4 of the Whitepaper on Incentive Regulation: Assessing Union Electric's Experimental Alternative Regulation Plan, February 1, 2001.
- 2 Based on data and weighted averages reported by EEI. Note that average rates by customer class may be based on fewer data points in cases in which customer class data is not available for all of the utilities that report company-wide average rates. The average across all customer classes, thus, may not be fully consistent with the averages reported for individual customer classes.

Sources:

2000 data - EEI Typical Bills and Average Rates Report, Winter 2001.

1999 data - EEI Typical Bills and Average Rates Report, Winter 2000.

1994 data - EEI Typical Bills and Average Rates Report, Winter 1997.

UNION ELECTRIC COMPANY UNBUNDLED ELECTRIC COST OF SERVICE ANALYSIS TEST YEAR: 12 MONTHS ENDED JUNE 2001

Unbundled Base Revenue (\$000's)

	Total				Small		Large		Small	Large
	<u>Missouri</u>	<u>R</u>	<u>esidential</u>	<u>C</u>	ien Serv	9	Gen Serv]	<u>Primary</u>	Primary Primary
Customer	\$ 164,587	\$	130,171	\$	23,871	\$	8,826	\$	1,460	\$ 258
Production Demand	\$ 701,333	\$	333,223	\$	85,492	\$	159,629	\$	66,846	\$ 56,142
Production Energy	\$ 521,885	\$	199,480	\$	59,320	\$	125,147	\$	73,745	\$ 64,192
Transmission Demand	\$ 36,080	\$	17,200	\$	4,129	\$	7,921	\$	3,665	\$ 3,166
Distribution Demand	\$ 349,877	\$	187,010	\$	43,722	\$	71,574	\$	26,105	\$ 21,465
Total Base Revenue	\$ 1,773,762	\$	867,085	\$	216,535	\$	373,097	\$	171,822	\$ 145,223

Residential Service Rate Comparison AmerenUE - Missouri Weather Normalized-12 months ending June 2001

Billing Components	_	Present	Proposed
Summer (June - Septembe	er)		
Customer Charge	Per Month	\$7.25	\$11.30
Energy Charge: All Kwh	Cents per Kwh	8.130 ¢	9.48 ¢
Winter (October - May)			
Customer Charge	Per Month	\$7.25	\$11.30
Energy Charge: 0- 750 Kwh	Cents per Kwh	5.770 ¢	5.41 ¢
All Kwh Over 750	Cents per Kwh	3.891 ¢	3.70 ¢

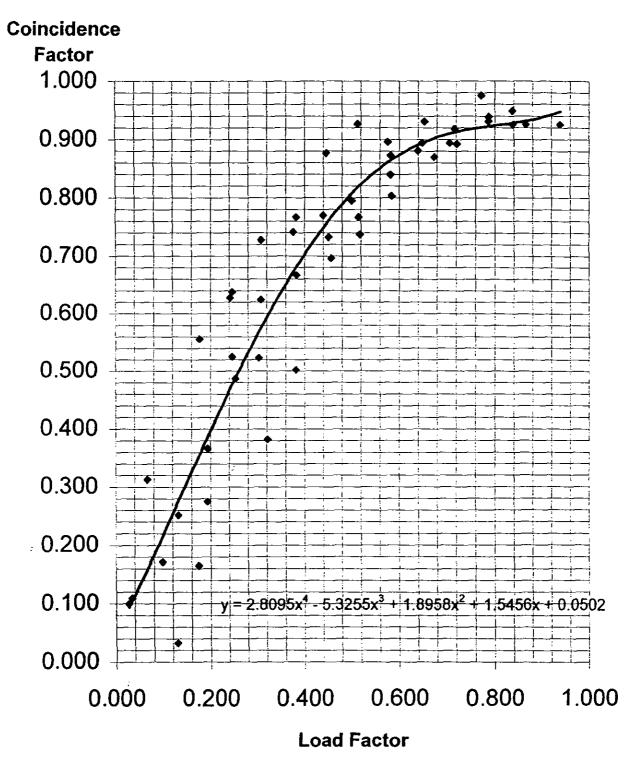
Proof of Revenue	Units		Rate	\$1,000		Dete		P4 00
Summer _	Offics		Ivaic	 \$1,000		Rate		\$1,00
Customer Charge	3,879,496	\$	7.25	\$ 20 426	•	11 20	•	42
-		Ф		28,126	\$	11.30)	43,
Mwh	4,162,714		\$0.08130	\$ 338,429		0.0948	_\$_	394,
				\$ 366,555			\$	438,
Winter								
Customer Charge	7,786,657	\$	7.25	\$ 56,453	\$	11.30	\$	87,
0-750 Mwh	4,115,087		\$0.05770	\$ 237,441		0.0541	\$	222,
Over 750 Mwh	3,236,523		\$0.03891	\$ 125,933		0.0370	\$	119,
Total MWH	11,514,324			\$ 419,827			\$	430,
_				\$ 786,382			\$	868,
Res TOD	987			\$ 63			\$	
_	11,515,311			\$ 786,445			-\$	868,

Small General Service Rate Comparison AmerenUE - Missouri Weather Normalized-12 months ending June 2001

Division of the second			
Summer (June - Septemb	<u>per)</u>		
Customer Charge:			
Single Phase Service	Per Month	\$7.25	\$12.75
Three Phase Service	Per Month	\$ 15.10	\$25.50
Energy Charge:			
All Kwh	Cents per Kwh	7.99 ¢	8.46 ¢
Winter (October - May)			
Customer Charge:			
Single Phase Service	Per Month	\$7.25	\$12.75
Three Phase Service	Per Month	\$15.10	\$25.50
Energy Charge:			
Base Use	Cents per Kwh	5.96 ¢	4.59 ¢
Seasonal Use	Cents per Kwh	3.45 ¢	2.90 ¢

	Units	Rate	1000's	Rate		1000's
Summer			 		_	
Customer Charge - Single Phase	369,500	\$7.25	\$ 2,679	12.75	\$	4,711
Customer Charge - Three Phase	126,756	\$15.10	\$ 1,914	25.50	\$	3,232
Mwh	1,193,680	\$0.0799	\$ 95,375	0.0846	\$	100,985
			\$ 99,968			
Winter						
Customer Charge - Single Phase	739,977	\$7.25	\$ 5,365	12.75	\$	9,435
Customer Charge - Three Phase	254,195	\$15.10	\$ 3,838	25.50	\$	6,482
Winter Base Mwh	1,687,310	\$0.0596	\$ 100,564	0.0459	\$	77,448
Winter Seasonal Mwh	490,599	\$0.0345	\$ 16,926	0.0290	\$	14,227
Winter Total MWH	2,177,909		\$ 126,693		<u> </u>	
Total	3,371,589		\$ 226,660		\$	216,520





Large General Service Rate Comparison AmerenUE - Missouri Weather Normalized-12 months ending June 2001

Summer (June - Sept	ambar\		
oritimer (africe - gebr	ember)		
Customer Charge	Per Month	\$66.00	\$89.46
Energy Charge (¢ per	kWh)		
First 150 kWh	per KW	7.84 ¢	7.04 ¢
Next 200 kW	n per KW	5.91 ¢	5.47 ¢
All over 300 k	Wh per KW	3.96 ¢	2.72 ¢
Demand		·	,
Per KW of Bil	ling Demand	\$3.79	\$4.94
Winter (October - May	Δ		
Customer Charge	Per Month	\$66.00	89.46
Energy Charge (¢ per	·kWh)		
First 150 kWh	per KW	4.91 ¢	3.67 ¢
Next 200 kW	•	3.68 ¢	3.11 ¢
All over 300 k	Wh per KW	2.86 ¢	2.11 ¢
Seasonal Ene	ergy Charge	2.86 ¢	2.11 ¢
Demand			
	ling Demand	\$1.35	\$2.47
Per KW of Bil			

	Units	Rate		\$1,000	Rate	•	\$1,00
Summer			_		- 1010		
Customer Charge	32,755	\$66.00	\$	2,162	\$89.46	\$	2,
Summer Energy Mwh	1.0.	*******	•	2,702	400.40	•	_,
0-150 hours	1,011,872	\$0.0784	\$	79,331	\$0.0704	\$	71,
151-350 hours	1,112,083	\$0.0591	\$	65,724	\$0.0547	\$	60
Over 350 hours	405.723	\$0.0396	\$	16,067	\$0.0272	S	11,
Demand	7,190,823	\$3.79	\$	27,253	\$4.94	\$	35
	• •		\$	190,537	,	<u> </u>	181
Winter			·	,		•	•
Customer Charge	65,908	\$66.00	\$	4,350	\$89.46	\$	5
Winter Energy Mwh							
0-150 hours	1,689,758	\$0.0491	\$	82,967	\$0.0367	\$	62.
151-350 hours	1,840,091	\$0.0368	\$	67,715	\$0.0311	\$	57
Over 350 hours	607,001	\$0.0286	\$	17,360	\$0.0211	\$	12
Seasonal	374,402	\$0.0286	\$	10,708	\$0.0211	\$	7
Demand	14,635,445	\$1.35	\$	19,758	\$2.47	\$	36.
			\$	202,858		\$	181,
	7,040,930		\$	393,395		\$	363

Small Primary Service Rate Comparison AmerenUE - Missouri Weather Normalized-12 months ending June 2001

Billing Components		Present	Proposed
Summer (June - Sept	tember)		
Customer Charge	Per Month	\$210.00	\$190.20
Energy Charge (¢ pe	r kWh)		
First 150 kW	h per KW	7.45 ¢	6.72 ¢
Next 200 kW	h per KW	5.62 ¢	5.22 ¢
All over 300 l	kWh per KW	3.76 ¢	2.59 ¢
Demand			
Per KW of Bi	lling Demand	\$3.01	\$4.04
Billing Kvars		24 ¢	24 ¢
Rider B 34kv			
Per KW		81 ¢	51 ¢
Rider B 138kv			
Per KW		95 ¢	84 ¢
Winter (October - Ma	(Y		
Customer Charge	Per Month	\$210.00	\$190.20
Energy Charge (¢ pe	r kWh)		
First 150 kW	h per KW	4.69 ¢	3.53 ¢
Next 200 kW	h per KW	3.49 ¢	2.98 ¢
All over 300 i	kWh per KW	2.73 ¢	2.02 ¢
Seasonal En	ergy Charge	2.73 ¢	2.02 ¢
Demand			·
Per KW of Bi	lling Demand	\$1.10	\$2.02
Billing Kvars		24 ¢	24 ¢
Rider B 34kv			
Per KW		81 ¢	51 ¢
Rider B 138kv			
Per KW		95 ¢	84 ¢

	Units	Rate		\$1,000	Rate		14 000
Summer _	Onits _	Nate		31,000	Rate		1,000
Customer Charge	2,559	\$210.00	\$	537	6400.00		
Summer Energy Mwh	2,339	\$210.00	Þ	537	\$190.20	\$	4
0-150 hours	492,233	\$0.0745	\$	20.074	£0.0073		20.5
151-350 hours	612.369	•	\$ \$	36,671	\$0.0672	\$	33,0
Over 350 hours		\$0.0562	•	34,415	\$0.0522	\$	31,9
	410,066	\$0.0376	\$	15,418	\$0.0259	\$	10,6
Demand	3,328,507	\$3.01	\$	10,019	\$4.04	\$	13,4
Billing Kvars	699,337	\$0.24	\$	168	\$0.24	\$	1
Rider B 34kv	273,075	\$0.81	\$	(221)	\$0,51	\$	(1
Rider B 138kv	8,932	\$0.95	_\$_	(8)	\$0.84	_\$	
			\$	96,999		\$	89,6
Winter							
Customer Charge	5,117	\$210.00	\$	1,075	\$190.20	\$	9
Winter Energy Mwh							
0-150 hours	808,956	\$0.0469	\$	37,940	\$0.0353	\$	28,5
151-350 hours	1,013,868	\$0.0349	\$	35,384	\$0.0298	\$	30,2
Over 350 hours	781,677	\$0.0273	\$	21,340	\$0.0202	\$	15,7
Seasonal	176,166	\$0.0273	\$	4,809	\$0.0202	\$	3,5
Demand	6,251,204	\$1.10	\$	6,876	\$2.02	\$	12,6
Billing Kvars	1,435,459	\$0.24	\$	345	\$0.24	\$	3
Rider B 34kv	572,138	\$0.81	\$	(463)	\$0.51	\$	(2
Rider B 138kv	0	\$0.95	\$	-	\$0.84	\$	
			\$	107,305	• • • • • • • • • • • • • • • • • • • •	\$	91,7
	4.295,335		\$	204,304		Ŝ	181.3

RIDER E SUPPLEMENTARY AND BACKUP SERVICE

1. Rate Application

Supplementary and Backup Service consist of the standard service supplied by Company that is also available in the event of failure or shutdown of customer's private plant service or any other source of electrical energy or motive power through electrical or mechanical means or by means of operational procedure, or where this service in effect serves to relieve, sustain or augment any other source of power.

Availability

Supplementary and Backup Service will be supplied whenever it is available from the Company at the customer's location and is desired by the customer, as indicated by the customer's connection to the Company's Delivery System and self-generation is available and operable on the customer's side of the meter. Customer's generating equipment shall not be operated in parallel with Company's service except when such operation is approved by Company and permitted under a written Parallel Operating Agreement with Company.

Supplementary and Backup Service will be delivered to customer under the Large Primary Service Rate at a service voltage to be selected by Company. All provisions of the Large Primary Service rate under which supplementary and backup service is to be supplied shall remain in effect, except as hereinafter specifically provided

Unless otherwise described herein, all other provisions, Rules and Regulations provided within the tariff and applicable to the Large Primary Service classification are also applicable to this Rider. Rider B credits are only applicable to the Wires and Energy Charges contained herein. Except as noted herein, no other credits or Riders are applicable to customers served under the provisions of this Rider.

3. General Provisions

Company shall install meter(s) and/or recording device(s) to register the output of the Customer's self-generation. Such metering shall be 15-minute interval metering and recording devices that are compatible with the Company's main revenue meter(s). The installation charge for the additional or nonstandard meter(s) and/or recording device(s) required to administer this Rider, in addition to any other applicable additional facilities, shall be determined by the provisions of Section III.Q, Special Facilities.

Rate for Service

All Electric service shall be billed under the provisions of this Rider. The monthly bill to be paid by customer for Supplementary and Backup Service shall be:

	1	Summer	Winter
Customer Chard	ie !	\$445.00	\$445.00

Monthly meter readings from Company's main meter:

	(June - September)	(October - May)
	Summer	Winter
Energy Charge: (1)	2.20¢/kWh	1.85¢/kWh
Wires Charge: (2)	\$4.43/KW	\$2.21/KW
Production Demand: (3)	\$10.09/KW	\$5.05/KW
Generator Backup Demand: (4)	\$1.82/KW	\$0.91/KW
Reactive Power: (5)	\$0.24/kVar	\$0.24/kVar

- (1) The energy charge is based on the meter readings through the company's main meter. All main metered energy usage associated with load normally supplied through customer's generator shall be priced as above plus 0.5¢/kWh.
- (2) The Wires Demand shall be the 15-minute maximum coincidized demand reading of the Company's main meter and the customer's self-generation meter except for contractual agreements limiting the demand available through the Company's meter.
- (3) The Production Demand quantity shall be the 15-minute maximum demand reading through the Company's meter. Such reading may be adjusted for periods when customer demonstrates an outage to the Company's satisfaction. For such occurrences, when the Monthly Demand Share is 50% or lower, the 15-minute maximum demand reading shall be the greater of 1) maximum main meter demand outside outage period, or 2) highest main meter reading minus load normally served by customer's generator during the generator outage. The Production Demand charge shall also be applicable to the Monthly Demand Share times the load normally served by customer's generator.
- (4) The Generator Backup Demand is the nameplate rating of the customer's self-generation equipment expressed in KW.
- (5) The Reactive Power kVar as defined in the Large Primary Service Classification.

5. Definitions

Self-Generation Meter(s) - Meter(s) installed and read by Company to measure output of customer's self-generation device(s).

Company Main Meter(s) - Meter(s) installed by Company to measure consumption of KW and kWh's by customer from Company.

Self-Generator Outage - Outage of customer's self-generation equipment, as reported by customer to Company with supporting documentation

RESERVE DISTRIBUTION CAPACITY RIDER RIDER RDC (Cont'd.)

cancellation during the initial term, the contract shall be automatically renewed for successive terms of one (1) year each, subject to termination by the giving of written notice, by either Company or customer, of at least six (6) months prior to the expiration of any renewal term.

Said contract shall be based on the Form of Contract included with this Rider RDC tariff and provided within ten days of execution to the Missouri Public Service Commission "Commission" Staff for informational purposes. The Company will file a revised Form of Contract tariff with the Commission before any significant modifications are made to said Contract.

9. General Rules and Regulations - In addition to the above specific rules and regulations, all of the Company's General Rules and Regulations shall apply to the supply of service under this Rider.

RESERVE DISTRIBUTION CAPACITY RIDER RIDER RDC (Cont'd.)

FORM OF CONTRACT

AmerenUE(drb/a Union Electric "Company") and		day of, 20, by and between
exceed kilowatts. WITNESSETH: Whereas, Company has on file with the Public Service Commission of the State of Missouri (Commission) a certain Reserve Distribution Capacity Rider (Rider), and; Whereas, Customer has satisfied the Availability and Applicability provisions of the Rider, and; Whereas, Customer wishes to take electric service from the Company, and the Company agrees to furnish electric service to the Customer under this Rider and pursuant to all other applicable tariffs of the Company; The Company and Customer agree as follows: 1. Service to the Customer's Facilities shall be pursuant to the Rider, all other applicable tariffs, and the Company's General Rules and Regulations Applying to Electric Service, as may be in effect from time to time and filed with the Commission. 2. Customer acknowledges that this Agreement is not assignable voluntarily by Customer, but shall nevertheless inure to the benefit of and be binding upon the Customer's successors by operation of law. 3. Customer shall be required to sign a contract for an initial term of ten (10) years, cancelable by customer at any time after one (1) year with six (6) months' written notice to Company. Absent such cancellation during the initial term, the contract shall be automatically renewed for successive terms of one (1) year each, subject to termination by the giving of written notice, by either Company or customer, of at least six (6) months prior to the expiration of any renewal term. 4. This Agreement shall be governed in all respects by the laws of the State of Missouri (regardless of conflict of laws provisions), and by the orders, rules and regulations of the Commission as they may exist from time to time. Nothing contained herein shall be construed as divesting, or attempting to divest, the Commission of any rights jurisdiction, power or authority vested in it by law. In witness whereof, the parties have signed this Agreement as of the date first above written.	AmerenUE(d/b/a Union Electric "Company") and	(Customer) for
Whereas, Company has on file with the Public Service Commission of the State of Missouri (Commission) a certain Reserve Distribution Capacity Rider (Rider), and; Whereas, Customer has satisfied the Availability and Applicability provisions of the Rider, and; Whereas, Customer wishes to take electric service from the Company, and the Company agrees to furnish electric service to the Customer under this Rider and pursuant to all other applicable tariffs of the Company; The Company and Customer agree as follows: 1. Service to the Customer's Facilities shall be pursuant to the Rider, all other applicable tariffs, and the Company's General Rules and Regulations Applying to Electric Service, as may be in effect from time to time and filed with the Commission. 2. Customer acknowledges that this Agreement is not assignable voluntarily by Customer, but shall nevertheless incre to the benefit of and be binding upon the Customer's successors by operation of law. 3. Customer shall be required to sign a contract for an initial term of ten [10] years, cancelable by customer at any time after one (1) year with six (6) months' written notice to Company. Absent such cancellation during the initial term, the contract shall be automatically renewed for successive terms of one (1) year each, subject to termination by the giving of written notice, by either Company or customer, of at least six (6) months prior to the expiration of any renewal term. 4. This Agreement shall be governed in all respects by the laws of the State of Missouri (regardless of conflict of laws provisions), and by the orders, rules and requiations of the Commission as they may exist from time to time. Nothing contained herein shall be construed as divesting, or attempting to divest, the Commission of any rights jurisdiction, power or authority vested in it by law. In witness whereof, the parties have signed this Agreement as of the date first above written.	the providing of a second or reserve distribution	connection to serve Customer's load not to
Whereas, Company has on file with the Public Service Commission of the State of Missouri (Commission) a certain Reserve Distribution Capacity Rider (Rider), and; Whereas, Customer has satisfied the Availability and Applicability provisions of the Rider, and; Whereas, Customer wishes to take electric service from the Company, and the Company agrees to furnish electric service to the Customer under this Rider and pursuant to all other applicable tariffs of the Company; The Company and Customer agree as follows: 1. Service to the Customer's Facilities shall be pursuant to the Rider, all other applicable tariffs, and the Company's General Rules and Regulations Applying to Electric Service, as may be in effect from time to time and filed with the Commission. 2. Customer acknowledges that this Agreement is not assignable voluntarily by Customer, but shall nevertheless inure to the benefit of and be binding upon the Customer's successors by operation of law. 3. Customer shall be required to sign a contract for an initial term of ten (10) years, cancelable by customer at any time after one (1) year with six (6) months' written notice to Company. Absent such cancellation during the initial term, the contract shall be automatically renewed for successive terms of one (1) year each, subject to termination by the giving of written notice, by either Company or customer, of at least six (6) months prior to the expiration of any renewal term. 4. This Agreement shall be governed in all respects by the laws of the State of Missouri (regardless of conflict of laws provisions), and by the orders, rules and regulations of the Commission as they may exist from time to time. Nothing contained herein shall be construed as divesting, or attempting to divest, the Commission of any rights jurisdiction, power or authority vested in it by law. In witness whereof, the parties have signed this Agreement as of the date first above written.	exceed kilowatts.	
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Whereas, Customer wishes to take electric service from the Company, and the Company agrees to furnish electric service to the Customer under this Rider and pursuant to all other applicable tariffs of the Company; The Company and Customer agree as follows: 1. Service to the Customer's Facilities shall be pursuant to the Rider, all other applicable tariffs, and the Company's General Rules and Regulations Applying to Electric Service, as may be in effect from time to time and filed with the Commission. 2. Customer acknowledges that this Agreement is not assignable voluntarily by Customer, but shall nevertheless inure to the benefit of and be binding upon the Customer's successors by operation of law. 3. Customer shall be required to sign a contract for an initial term of ten (10) years, cancelable by customer at any time after one (1) year with six (6) months' written notice to Company. Absent such cancellation during the initial term, the contract shall be automatically renewed for successive terms of one (1) year each, subject to termination by the giving of written notice, by either Company or customer, of at least six (6) months prior to the expiration of any renewal term. 4. This Agreement shall be governed in all respects by the laws of the State of Missouri (regardless of conflict of laws provisions), and by the orders, rules and regulations of the Commission as they may exist from time to time. Nothing contained herein shall be construed as divesting, or attempting to divest, the Commission of any rights jurisdiction, power or authority vested in it by law. In witness whereof, the parties have signed this Agreement as of the date first above written. Union Electric Company		
agrees to furnish electric service to the Customer under this Rider and pursuant to all other applicable tariffs of the Company; The Company and Customer agree as follows: 1. Service to the Customer's Facilities shall be pursuant to the Rider, all other applicable tariffs, and the Company's General Rules and Regulations Applying to Electric Service, as may be in effect from time to time and filed with the Commission. 2. Customer acknowledges that this Agreement is not assignable voluntarily by Customer, but shall nevertheless inure to the benefit of and be binding upon the Customer's successors by operation of law. 3. Customer shall be required to sign a contract for an initial term of ten (10) years, cancelable by customer at any time after one (1) year with six (6) months' written notice to Company. Absent such cancellation during the initial term, the contract shall be automatically renewed for successive terms of one (1) year each, subject to termination by the giving of written notice, by either Company or customer, of at least six (6) months prior to the expiration of any renewal term. 4. This Agreement shall be governed in all respects by the laws of the State of Missouri (regardless of conflict of laws provisions), and by the orders, rules and regulations of the Commission as they may exist from time to time. Nothing contained herein shall be construed as divesting, or attempting to divest, the Commission of any rights jurisdiction, power or authority vested in it by law. In witness whereof, the parties have signed this Agreement as of the date first above written. Union Electric Company Customer		ability and Applicability provisions of the
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applicable tariffs, and the Company's General Rules and Regulations Applying to Electric Service, as may be in effect from time to time and filed with the Commission. 2. Customer acknowledges that this Agreement is not assignable voluntarily by Customer, but shall nevertheless inure to the benefit of and be binding upon the Customer's successors by operation of law. 3. Customer shall be required to sign a contract for an initial term of ten (10) years, cancelable by customer at any time after one (1) year with six (6) months' written notice to Company. Absent such cancellation during the initial term, the contract shall be automatically renewed for successive terms of one (1) year each, subject to termination by the giving of written notice, by either Company or customer, of at least six (6) months prior to the expiration of any renewal term. 4. This Agreement shall be governed in all respects by the laws of the State of Missouri (regardless of conflict of laws provisions), and by the orders, rules and regulations of the Commission as they may exist from time to time. Nothing contained herein shall be construed as divesting, or attempting to divest, the Commission of any rights jurisdiction, power or authority vested in it by law. In witness whereof, the parties have signed this Agreement as of the date first above written. Union Electric Company Customer	The Company and Customer agree as follows:	
Customer, but shall nevertheless inure to the benefit of and be binding upon the Customer's successors by operation of law. 3. Customer shall be required to sign a contract for an initial term of ten (10) years, cancelable by customer at any time after one (1) year with six (6) months' written notice to Company. Absent such cancellation during the initial term, the contract shall be automatically renewed for successive terms of one {1} year each, subject to termination by the giving of written notice, by either Company or customer, of at least six (6) months prior to the expiration of any renewal term. 4. This Agreement shall be governed in all respects by the laws of the State of Missouri (regardless of conflict of laws provisions), and by the orders, rules and regulations of the Commission as they may exist from time to time. Nothing contained herein shall be construed as divesting, or attempting to divest, the Commission of any rights jurisdiction, power or authority vested in it by law. In witness whereof, the parties have signed this Agreement as of the date first above written. Union Electric Company Customer	applicable tariffs, and the Company's General F	tules and Regulations Applying to Electric
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Union Electric Company Customer	Missouri (regardless of conflict of laws pro regulations of the Commission as they may exist f shall be construed as divesting, or attempting	visions), and by the orders, rules and rom time to time. Nothing contained herein to divest, the Commission of any rights
Customer		ed this Agreement as of the date first above
Ву	Union Electric Company	Customer
	Ву	Ву

Current Interest on Deposit Language for Sheet No. 178, paragraph 3.

Interest paid on deposits - Interest at the rate of 9.5 percent per annum, compounded annually, will be credited annually upon the account of the customer or paid upon the return of a residential deposit, whichever occurs first. Simple interest at the rate of 9.5 percent per annum will be payable upon the return of a non-residential deposit held by the Company for six months or longer. Interest shall not accrue on a cash deposit after the date the deposit is applied to the customer's account, or Company has made a reasonable effort to return the deposit to customer by mailing the deposit to customer's last known address.

Proposed Interest on Deposit Language for Sheet No. 178, paragraph 3.

Interest paid on deposits — Interest at the rate of the one-year yield on United States' Treasury securities for the last full week in November in a given calendar year, compounded annually, will be credited annually upon the account of the customer or paid upon the return of a residential deposit, whichever occurs first. Simple interest at the same rate per annum will be payable upon the return of a non-residential deposit held by the Company for six months or longer. Interest shall not accrue on a cash deposit after the date the deposit is applied to the customer's account, or Company has made a reasonable effort to return the deposit to customer by mailing the deposit to customer's last known address.