Exhibit No.:

Issue: Rate Design
Witness: Janice Pyatte
Type of Exhibit: Direct
Sponsoring Party: MoPSC Staff

Case Nos.: EO-97-144 and EC-97-362

# MISSOURI PUBLIC SERVICE COMMISSION POLICY & PLANNING DIVISION

**DIRECT TESTIMONY** 

CILED

OF

MAR Z 8 1997

JANICE PYATTE

PUBLIC SERVICE COMMISSION

## UTILICORP UNITED INC., d/b/a MISSOURI PUBLIC SERVICE

CASE NO. EC-97-144 CASE NO. EC-97-362

Jefferson City, Missouri

March, 1997

1	DIRECT TESTIMONY							
2	OF							
3	JANICE PYATTE							
4 5 6	UTILICORP UNITED, INC., d/b/a MISSOURI PUBLIC SERVICE							
7 8 9	CASE NO. EO-97-144 CASE NO. EC-97-362							
10 11	Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.							
12	A. My name is Janice Pyatte and my business address is Missouri							
13	Public Service Commission, P. O. Box 360, Jefferson City, Missouri 65102.							
14	Q. WHAT IS YOUR PRESENT POSITION WITH THE MISSOURI							
15	PUBLIC SERVICE COMMISSION?							
16	A. I am a Regulatory Economist in the Economic Analysis							
17	Department.							
18	Q. WOULD YOU PLEASE REVIEW YOUR EDUCATIONAL							
19	BACKGROUND AND WORK EXPERIENCE?							
20	A. I completed a Bachelor of Arts degree in Economics at Western							
21	Washington State College in Bellingham, Washington and a Masters of Arts (A.M.)							
22	degree in Economics at Washington University in St. Louis, Missouri. I have been							
23	employed by the Missouri Public Service Commission (Commission) since June 1977.							
24	My primary role with the Missouri Public Service Commission Staff (Staff) has been to							
25	share responsibility for performing class cost-of-service and rate design studies for the							
26	regulated electric utilities in Missouri.							
27								

Direct Testimony of Janice Pyatte

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1	Q. WHAT IS THE PURPOSE OF YOUR DIRECT TESTIMONY IN
2	THIS FILING?
3	A. I am presenting Staff's proposed rate design for Missouri Public
4	Service (MPS or Company) in these cases.
5	Q. WHAT IS YOUR RATE DESIGN PROPOSAL IN THESE
6	CASES?
7	A. My rate design proposal is to reduce all of Missouri Public
8	Service's rates by 8.53%. 8.53% is the ratio of the Staff's proposed revenue reduction
9	of \$23,000,000 and Staff's estimate of MPS's current rate revenues of \$269,748,860.
10	The support for these two numbers is contained, respectively, in the direct testimony of
11	Staff witnesses Steven Traxler and Michael L. Brosch.
12	Q. WHAT IS THE RATIONALE FOR AN EQUAL PERCENTAGE
13	REDUCTION IN RATES?
14	A. Reducing all rates by the same percentage will:
15 16 17 18	(1) preserve the current revenue distribution among customer classes (i.e., each customer class' proportion of total company revenues after the \$23,000,000 reduction will be the same as its current proportion of total company revenues);
19 20 21 22 23	(2) maintain the current rate continuity between general service tariffs (i.e., the size and load factor "cross-over points" between any two tariffs will remain the same);
24 25 26 27 28 29	(3) result in the same percentage impact to all customers.

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IS PRESERVING THE CURRENT REVENUE DISTRIBUTION Q. AMONG CUSTOMER CLASSES A REASONABLE AND APPROPRIATE OBJECTIVE IN THESE CASES?

Yes. Staff did not perform a class cost-of-service study so I have A. no current evidence which would indicate that a change in the current class revenue distribution is warranted. So preserving the current revenue distribution among and within customer classes is reasonable and appropriate in these cases.

### WHY IS MAINTAINING THE CURRENT RATE Q. CONTINUITY BETWEEN GENERAL SERVICE TARIFFS BENEFICIAL?

The Staff proposal for an equal percentage reduction in rates A. maintains the size and load factor "cross-over points" which exist within Missouri Public Service's current general service tariffs. These tariffs were designed for commercial and industrial customers with certain load and cost characteristics. They were also designed so that, at the "cross-over points" between any two tariffs, the customer's bill is the same. This provides for an orderly transition from one tariff to another as the customer's size and load factor grow.

Changing rate levels on tariffs by different percentages results in the size and load factor "cross-over points" between the two tariffs changing. This change, in turn, can result in customers switching tariffs, not because their load characteristics would indicate that they should do so, but because the new rates make it financially advantageous. When this happens, the Company will not collect the Commissionauthorized revenues.

Direct	Testimony	of
Janice	Pyatte	

1	Q. WHAT RATES WILL RESULT FROM YOUR
2	PROPOSAL?
3	A. The rate levels which will result for each of Missouri Public
4	Service's tariffs are shown on Schedule 1.
5	Q. WHAT WILL BE THE IMPACT ON CUSTOMERS OF YOUR
6	PROPOSAL?
7	A. Staff's proposal to reduce all rates by an equal percentage will
8	result in every customer receiving the same percentage reduction on its bill. Schedule 2
9	shows how a percentage reduction of 8.53% will affect two typical residential
10	customers. The reason that the dollar reduction varies between examples is because the
11	seasonal use of each typical customer is different.
12	Q. DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?
13	A. Yes, it does.
14	

## BEFORE THE PUBLIC SERVICE COMMISSION

### OF THE STATE OF MISSOURI

In the matter of the Earnings Revi UtiliCorp United, Inc., d/b/a/ Miss		)	CASE NO. EO-97-144
and			
The Staff of the Missouri Public Service Commission,  v.  UtiliCorp United, Inc., d/b/a Missouri Public Service,	Complainant, Respondent.	) ) ) ) )	CASE NO. EC-97-362
	2. Cop on a com	,	
AFFI	DAVIT OF JANICE F	YATTE	
STATE OF MISSOURI )			
COUNTY OF COLE )			
Janice Pyatte, of lawful age, of the foregoing written testimony in that the answers in the attached writhe matters set forth in such answers and belief.	question and answer for itten testimony were gi	orm, to be ven by he	er; that she has knowledge of
		Janu	anice Pyatte
Subscribed and sworn to before mo		y of Marc	
My commission expires Quina			,

#### RESIDENTIAL

CUSTOMER CHARGE	GENERAL \$6.55 per month	SPACE HEAT & HEAT PUMP \$6.55 per month		TIME-OF-DAY \$11.12 per month
ENERGY CHARGES				
SUMMER				
FIRST 600 KWH	\$0.0683 per kWh	\$0.0683 per kWh	PEAK	\$0.1122 per kWh
NEXT 400 KWH	\$0.0703 per kWh	\$0.0703 per kWh	SHOULDER	\$0.0799 per kWh
OVER 1000 KWH	\$0.0738 per kWh	\$0.0738 per kWh	OFF PEAK	\$0.0347 per kWh
WINTER	•	Taxas par Mari	-	40.00 % pc. KVIII
FIRST 600 KWH	\$0.0683 per kWh	\$0.0683 per kWh	PEAK	\$0.0799 per kWh
NEXT 400 KWH	\$0.0467 per kWh	\$0.0369 per kWh	OFF PEAK	\$0.0347 per kWh
OVER 1000 KWH	\$0.0467 per kWh	\$0.0306 per kWh	J	volución per Revit

#### **SMALL GENERAL SERVICE**

CUSTOMER CHARGE	KWH ONLY METERED \$11.17 per month	SECONDARY  KWH & KW METERED  \$11.17 per month	PRIMARY KWH & KW METERED \$11.17 per month	١	TIME-OF-DAY  N/O DEMAND CHARGE  SINGLE PHASE  \$15.74 per month	TIME-OF-DAY W/ DEMAND CHARGE SINGLE PHASE \$15.74 per month
DEMAND CHARGES SUMMER KW WINTER		\$3.20 per kW	\$2.21 per kW			\$3.11 per kW
BASE KW SEASONAL KW		\$2.38 per kW \$0.00 per kW	\$1.34 per kW \$0.00 per kW			\$2.31 per kW
ENERGY CHARGES						
SUMMER	\$0.0828 per kWh					
FIRST 180 HU		\$0.0649 per kWh	\$0.0634 per kWh	PEAK	\$0.1192 per kWh	\$0.0968 per kWh
NEXT 180 HU		\$0.0477 per kWh	\$0.0465 per kWh	SHOULDER	\$0.0833 per kWh	\$0.0504 per kWh
OVER 360 HU WINTER		\$0.0379 per kWh	\$0.0369 per kWh	OFF PEAK	\$0.0369 per kWh	\$0.0338 per kWh
FIRST 180 HU NEXT 180 HU OVER 360 HU SEASONAL	\$0.0686 per kWh	\$0.0554 per kWh \$0.0467 per kWh \$0.0379 per kWh	\$0.0541 per kWh \$0.0455 per kWh \$0.0359 per kWh	PEAK OFF PEAK	\$0.0833 per kWh \$0.0369 per kWh	\$0.0504 per kWh \$0.0338 per kWh
SEASONAL	\$0.0265 per kWh	\$0.0265 per kWh	\$0.0259 per kWh			

1	Δ	R	G	F	GF	N	FF	Δ	9	EPI	VICE

	OF COMPANY			TIME-OF-DAY THREE PHASE	TIME-OF-DAY THREE PHASE
0110701-01	SECONDARY	PRIMARY		SECONDARY	PRIMARY
CUSTOMER CHARGE	\$43.52 per month	\$43.52 per month		\$52.67 per month	\$52.67 per month
DEMAND CHARGES					
SUMMER KW	\$3.21 per kW	\$2.22 per kW		\$3.11 per kW	\$2.15 per kW
WINTER				•	•
BASE KW	\$2.22 per kW	\$1.34 per kW		\$2.31 per kW	\$1.31 per kW
SEASONAL KW	\$0.00 per kW	\$0.00 per kW		•	, <b>,</b>
ENERGY CHARGES					
SUMMER					
FIRST 180 HU	\$0.0606 per kWh	\$0.0591 per kWh	PĒAK	\$0.0968 per kWh	\$0.0944 per kWh
NEXT 180 HU	\$0.0444 per kWh	\$0.0434 per kWh	SHOULDER	\$0.0504 per kWh	\$0.0491 per kWh
OVER 360 HU	\$0.0353 per kWh	\$0.0345 per kWh	OFF PEAK	\$0.0338 per kWh	\$0.0330 per kWh
WINTER		·			Valuable per inter
FIRST 180 HU	\$0.0444 per kWh	\$0.0434 per kWh	PEAK	\$0.0504 per kWh	\$0.0491 per kWh
NEXT 180 HU	\$0.0373 per kWh	\$0.0364 per kWh	OFF PEAK	\$0.0338 per kWh	\$0.0330 per kWh
OVER 360 HU	\$0.0353 per kWh	\$0.0345 per kWh		•	F
SEASONAL	\$0.0265 per kWh	\$0.0259 per kWh			

#### LARGE POWER SERVICE

#### **SCHOOLS & CHURCHES**

CUSTOMER CHARGE	SECONDARY \$117.85 per month	PRIMARY \$117.85 per month	CUSTOMER CHARGE	SECONDARY \$11.17 per month	PRIMARY \$11.17 per month
DEMAND CHARGES					
SUMMER KW	\$6.45 per kW	\$5.38 per kW	ENERGY CHARGES		
WINTER			SUMMER	\$0.0716 per kWh	\$0.0698 per kWh
BASE KW	\$4.71 perkW	\$3.45 per kW	WINTER	•	,
SEASONAL KW	\$0.00 perkW	\$0.00 per kW	BASE	\$0.0595 per kWh	\$0.0580 per kWh
			SEASONAL	\$0.0306 per kWh	\$0.0298 per kWh
ENERGY CHARGES				•	•
SUMMER					
FIRST 180 HU	\$0.0515 per kWh	\$0.0503 per kWh			
NEXT 180 HU	\$0.0338 per kWh	\$0.0329 per kWh			
OVER 360 HU	\$0.0271 per kWh	\$0.0264 per kWh			
WINTER	·	•			
FIRST 180 HU	\$0.0342 per kWh	\$0.0334 per kWh			
NEXT 180 HU	\$0.0306 per kWh	\$0.0299 per kWh			
OVER 360 HU	\$0.0271 per kWh	\$0.0264 per kWh			
SEASONAL	\$0.0265 per kWh	\$0.0259 per kWh			

DEFENSE MISSILE FACILITIES		MODINE MANUFA	ACTURING CO.	THERMAL ENERGY STORAGE			
CUSTOMER CHARGE	\$0.00 per month	CUSTOMER CHARGE	\$0.00 per month	CUSTOMER CHARGE	SECONDARY \$126.99 per month	PRIMARY \$126.99 per month	
MINIMUM BILL	\$16,56 per month	MINIMUM BILL	\$39.32 per month	DEMAND CHARGES SUMMER KW	\$6.45 per kW	\$5,38 per kW	
DEMAND CHARGES SUMMER	\$2.30 per kW	ENERGY CHARGES SUMMER		WINTER KW	\$4.71 per kW	\$3.45 per kW	
WINTER	\$2.30 per kW	FIRST 1000 KWH NEXT 2000 KWH	\$0.0615 per kWh \$0.0549 per kWh	ENERGY CHARGES SUMMER			
ENERGY CHARGES SUMMER		NEXT 7000 KWH NEXT 40000 KWH	\$0.0484 per kWh \$0.0422 per kWh	PEAK SHOULDER	\$0,0512 per kWh \$0,0288 per kWh	\$0.0512 per kWh \$0.0288 per kWh	
UNDER 50 KW ALL KWH	\$0.0390 per kWh	OVER 50000 KWH WINTER	\$0.0388 per kWh	OFF PEAK WINTER	\$0.0259 per kWh	\$0.0259 per kWh	
OVER 50 KW FIRST 200 HU	\$0.0390 per kWh	FIRST 1000 KWH NEXT 2000 KWH	\$0.0615 per kWh \$0.0549 per kWh	PEAK SHOULDER	\$0.0288 per kWh \$0.0259 per kWh	\$0.0288 per kWh \$0.0259 per kWh	
OVER 200 HU WINTER UNDER 50 KW	\$0.0350 per kWh	NEXT 7000 KWH NEXT 40000 KWH OVER 50000 KWH	\$0.0484 per kWh \$0.0422 per kWh \$0.0388 per kWh				
ALL KWH OVER 50 KW	\$0.0390 per kWh	OAEK 20000 KAA11	40.0000 per K****				
FIRST 200 HU	\$0.0390 per kWh			1001.4	TER OFFICERATING F		
OVER 200 HU	\$0,0350 per kWh			ISULA	TED GENERATING F	LANI	
				CAPACITY CHARGE RESERVED	\$5.38 per kW		
MUNICIPAL WA	TER PUMPING	MUNICIPAL PARK &	RECREATION	EXCESS	\$6.88 per kW		
CUSTOMER CHARGE	\$0.00 per month	CUSTOMER CHARGE	\$0.00 per month	ENERGY CHARGE	\$0,0381 perkWh		
MINIMUM BILL	\$8.63 per month	MINIMUM BILL	•	MINIMUM BILL	\$5,354.90 per month		
ENERGY CHARGES SUMMER		SINGLE PHASE THREE PHASE	\$6.92 per month \$23.10 per month				
FIRST 150 KWH OVER 150 KWH	\$0.0575 per kWh \$0,0573 per kWh	ENERGY CHARGES					
WINTER FIRST 150 KWH	\$0.0575 per kWh	SUMMER WINTER	\$0.0728 per kWh \$0.0728 per kWh	STREET LIGHTING	-CITY OF KANSAS C	:ITY	
OVER 150 KWH	\$0.0573 per kWh	441141 FIX	yalarza pai mili	ENERGY CHARGE	\$0,0483 per kWh		

# chedule 1

#### MISSOURI PUBLIC SERVICE - CASE NO. EC-97-362 STAFF PROPOSED RATES

#### **PRIVATE AREA LIGHTING**

MERCURY VAPOR - OVERHEAD WIRING		ADDERS FOR ADDITIONAL FACILITIES - OVERHEAD WIF	RING
7700 L, M.V., open glassware, wood pole	\$88.74 per unit	Wood pole and one span of wire in addition to the pole	
7700 L, M.V., open glassware, steel pole	\$120.89 per unit	supporting the focture, per unit per year	\$13.52
7700 L, M.V., streamlined fixture, wood pole	\$102.29 per unit	Steel pole and one span of overhead wire in addition to	
7700 L, M.V., streamlined fixture, steel pole	\$134.39 per unit	the pole supporting the focure, per unit per year	\$43.94
10500 L, M.V., enclosed fixture, wood pole	\$119.40 per unit	Underground wiring for private lighting under parkway,	
10500 L, M.V., enclosed fixture, steel pole	\$151.49 per unit	per foot per year in excess of that for overhead wiring	NA
21000 L, M.V., enclosed fixture, wood pole	\$152.31 per unit	Underground wiring for private lighting under concrete,	
21000 L, M.V., enclosed fixture, steel pole	\$182.76 per unit	per foot per year in excess of that for overhead wiring	NA
54000 L, M.V., enclosed fixture, wood pole	\$256.18 per unit	Break away bases for steel poles, each	\$21.40
54000 L, M.V., enclosed fixture, steel pole	\$276.44 per unit	Rock removal, per foot per year	NA
HIGH PRESSURE SODIUM VAPOR - UNALUX			
12000 L, 150 W, S.V., open glassware, wood pole	\$108.96 per unit	ADDERS FOR ADDITIONAL FACILITIES - UNDERGROUN	D WIRING
12000 L, 150 W, S.V., open glassware, steel pole	\$141.10 per unit	Wood pole and one span of wire in addition to the pole	
12000 L, 150 W, S.V., streamlined fixture, wood pole	\$122.50 per unit	supporting the fixture, per unit per year	NA
12000 L, 150 W, S.V., streamlined fixture, steel pole	\$154.61 per unit	Steel pole and one span of overhead wire in addition to	
36000 L, 360 W, S.V., enclosed fixture, wood pole	\$171.20 per unit	the pole supporting the fixture, per unit per year	NA
36000 L, 360 W, S.V., enclosed fixture, steel pole	\$201.64 per unit	Underground wiring for private lighting under parkway,	
, , , , , , , , , , , , , , , , , , , ,	•	per foot per year in excess of that for overhead wiring	\$0.43
HIGH PRESSURE SODIUM VAPOR - LUCALOX		Underground wiring for private lighting under concrete,	
25500 L, 250 W, S.V., enclosed fixture, wood pole	\$144.83 per unit	per foot per year in excess of that for overhead wiring	\$1.94
25500 L, 250 W, S.V., enclosed fixture, steel pole	\$176.94 per unit	Break away bases for steel poles, each	\$21.40
50000 L, 400 W, S.V., enclosed fixture, wood pole	\$176.93 per unit	Rock removal, per foot per year	\$1.53
50000 L, 400 W, S.V., enclosed fixture, steel pole	\$207.37 per unit		
DIRECTIONAL FLOODLIGHTING			
HIGH PRESSURE SODIUM VAPOR - LUCALOX			
27500 L, 250 W, S.V., enclosed fixture, existing wood pole	\$270.25 per unit		
27500 L, 250 W, S.V., enclosed fixture, wood pole required	\$283.77 per unit		
50000 L, 400 W, S.V., enclosed fixture, existing wood pole	\$304.56 per unit		
50000 L, 400 W, S.V., enclosed fixture, wood pole required	\$318.07 per unit		
140000 L, 1000 W, S.V., enclosed fixture, existing wood pole	\$514.16 per unit		
140000 L, 1000 W, S.V., enclosed fixture, wood pole required	\$527.69 per unit		
METAL HALIDE			
20500 L, 250 W, M.H., enclosed fixture, existing wood pole	\$291.08 per unit		
20500 L, 250 W, M.H., enclosed fixture, wood pole required	\$304.60 per unit		
20500 L, 250 W, M.H., enclosed fixture, steel pole required	\$335.02 per unit		
36000 L, 400 W, M.H., enclosed fixture, existing wood pole	\$311.24 per unit		
36000 L, 400 W, M.H., enclosed fixture, wood pole required	\$324.75 per unit		
36000 L, 400 W, M.H., enclosed fixture, steel pole required	\$355.17 per unit		
110000 L, 1000 W, M.H., enclosed fixture, existing wood pole	\$527.53 per unit	·	
110000 L, 1000 W, M.H., enclosed fixture, wood pole required	\$541.06 per unit		
110000 L, 1000 W, M.H., enclosed fixture, steel pole required	\$571,48 per unit		

#### **MUNICIPAL STREET LIGHTING**

MERCURY VAPOR	OVERHEAD WIRING	UNDERGROUND WIRING	INCANDESCENT	
3300 L, M.V., open glassware, wood pole	\$61.40 per unit	\$90,59 per unit	1000 L, open fixture, wood pole	\$51.93 per unit
7700 L, M.V., open glassware, wood pole	\$81.99 per unit	\$111.20 per unit	2500 L, open fixture, wood pole	\$87.25 per unit
7700 L, M.V., open glassware, steel pole	\$102.29 per unit	\$131.47 per unit	4000 L, enclosed fixture, wood pole	\$103.54 per unit
7700 L, M.V., streamlined fixture, wood pole	\$94.16 per unit	\$123.37 per unit	4000 L, enclosed fixture, steel pole	\$123.80 per unit
7700 L, M.V., streamlined fixture, steel pole	\$114.44 per unit	\$143,63 per unit	6000 L, enclosed fixture, wood pole	\$126.82 per unit
10500 L, M.V., enclosed fixture, wood pole	\$109.27 per unit	\$138.43 per unit	6000 L, enclosed fixture, steel pole	\$152.18 per unit
10500 L, M.V., enclosed fixture, steel pole	\$129.53 per unit	\$158.73 per unit	•	•
21000 L, M.V., enclosed fixture, wood pole	\$135.44 per unit	\$164.62 per unit	ADDERS FOR ADDITIONAL FACILITIES - OVE	RHEAD WIRING
21000 L, M.V., enclosed fixture, steel pole	\$155.68 per unit	\$184.88 per unit	Wood pole and one span of wire in addition to the	ne pole
21000 L, Fluorescent, enclosed fixture, steel pole	\$227.06 per unit	\$0.00	supporting the fixture, per unit per year	\$13.52
54000 L, M.V., enclosed fixture, wood pole	\$256.18 per unit	\$285.38 per unit	Steel pole and one span of overhead wire in add	lition to
54000 L, M.V., enclosed fixture, steel pole	\$276.44 per unit	\$305.63 per unit	the pole supporting the fixture, per unit per year	ar \$38,89
			Break away bases for steel poles, each	\$21.40
HIGH PRESSURE SODIUM VAPOR - UNALUX			·	
12000 L, 150 W, S.V., open glassware, wood pole	\$102.21 per unit	\$131.40 per unit	ADDERS FOR ADDITIONAL FACILITIES - UND	ERGROUND WIRING
12000 L, 150 W, S.V., open glassware, steel pole	\$122.50 per unit	\$151.67 per unit	Break away bases for steel poles, each	\$21.40
12000 L, 150 W, S.V., streamlined fixture, wood pole	\$114.38 per unit	\$143,58 per unit	Rock removal, per foot per year	\$1.53
12000 L, 150 W, S.V., streamlined fixture, steel pole	\$134.65 per unit	\$163,83 per unit		
36000 L, 360 W, S.V., enclosed fixture, wood pole	\$154.34 per unit	\$183,51 per unit	ADDERS FOR ADDITIONAL FACILITIES - WOO	ODEN POLES
36000 L, 360 W, S.V., enclosed fixture, steel pole	\$174.59 per unit	\$203.78 per unit	30 feet (requiring 35 ft pole), per year	\$13,15
36000 L, 360 W, S.V., twin enclosed fixtures	\$401.26 per unit	\$459.63 per unit	35 feet (requiring 40 ft pole), per year	\$35.64
	•	•	40 feet (requiring 45 ft pole), per year	\$39.43
HIGH PRESSURE SODIUM VAPOR - LUCALOX			50 feet (requiring 55 ft pole), per year	\$71.30
5000 L, 70 W, S.V., enclosed fixture, wood pole	\$112.14 per unit	\$141,33 per unit		•
5000 L, 70 W, S.V., enclosed fixture, steel pole	\$132.42 per unit	\$161,63 per unit	ADDERS FOR ADDITIONAL FACILITIES - STE	FL POLES
5000 L, 70 W, S.V., open fixture, wood pole	\$99.82 per unit	\$129.00 per unit	30 feet (requiring 30 ft pole), per year	\$44.64
5000 L, 70 W, S.V., open fixture, steel pole	\$120.09 per unit	\$149.29 per unit	35 feet (requiring 35 ft pole), per year	\$65.24
8000 L, 100 W, S.V., enclosed fixture, wood pole	\$114.09 per unit	\$143.27 per unit	40 feet (requiring 40 ft pole), per year	\$102.00
8000 L, 100 W, S.V., enclosed fixture, steel pole	\$134.36 per unit	\$163.57 per unit	50 feet (requiring 50 ft pole), per year	\$227.39
8000 L, 100 W, S.V., open fixture, wood pole	\$102.38 per unit	\$131.58 per unit		· · · · · · · · · · · · · · · · · · ·
8000 L, 100 W, S.V., open fixture, steel pole	\$122.67 per unit	\$151.87 per unit		
13500 L, 150 W, S.V., enclosed fixture, wood pole	\$118.81 per unit	\$148.00 per unit		
13500 L, 150 W, S.V., enclosed fixture, steel pole	\$139.09 per unit	\$168.30 per unit		
13500 L, 150 W, S.V., open fixture, wood pole	\$107.42 per unit	\$136.61 per unit		
13500 L, 150 W, S.V., open fixture, steel pole	\$127.68 per unit	\$156.90 per unit		
25500 L, 250 W, S.V., enclosed fixture, wood pole	\$134.68 per unit	\$163.87 per unit		
25500 L, 250 W, S.V., enclosed fixture, steel pole	\$154.97 per unit	\$184.17 per unit		
50000 L, 400 W, S.V., enclosed fixture, wood pole	\$160.04 per unit	\$189.23 per unit		
50000 L, 400 W, S.V., enclosed fixture, steel pole	\$180.24 per unit	\$209.48 per unit		
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# MISSOURI PUBLIC SERVICE - CASE NO. EC-97-362 THE IMPACT OF STAFF PROPOSED RATES ON TYPICAL RESIDENTIAL ELECTRIC BILLS

#### **RESIDENTIAL GENERAL**

Normalized Use (kWh/month)	Summer <u>Average</u> 1,032	Winter <u>Average</u> 610	Annual <u>Average</u> 751
Bill on Current Rates (\$/month)	\$85.28	\$52.49	\$63.42
Bill on Proposed Rates (\$/month)	\$78.01	\$48.02	\$58.01
Dollar Change from Current (\$/month)	(\$7.27)	(\$4.48)	(\$5.41)
Percent Change from Current (%)	-8.53%	-8.53%	-8.53%
Approximate No.of Customers Affected			138,000

#### RESIDENTIAL WITH ELECTRIC SPACE HEAT

Normalized Use (kWh/month)	Summer <u>Average</u> 1,095	Winter <u>Average</u> 1,628	Annual <u>Average</u> 1,450
Bill on Current Rates (\$/month)	\$90.37	\$89.08	\$89.51
Bill on Proposed Rates (\$/month)	\$82.66	\$81.48	\$81.87
Dollar Change from Current (\$/month)	(\$7.70)	(\$7.59)	(\$7.63)
Percent Change from Current (%)	-8.53%	-8.53%	-8.53%
Approximate No.of Customers Affected			21,000