Exhibit No.:

Issue: Minimum Filing Requirements;

Class Cost of Service;

Rate Design;

Changes to Rules and Regulations

Witness: Tim M. Rush

Type of Exhibit: Direct Testimony
Sponsoring Party: Kansas City Power & Light Company

Case No.: ER-2006-

Date Testimony Prepared: January 27, 2006

MISSOURI PUBLIC SERVICE COMMISSION

CASE NO. ER-2006-____

DIRECT TESTIMONY

OF

TIM M. RUSH

ON BEHALF OF

KANSAS CITY POWER & LIGHT COMPANY

Kansas City, Missouri January 2006

DIRECT TESTIMONY

OF

TIM M. RUSH

Case No. ER-2006-____

1	Q:	Please state your name and business address.	
2	A:	My name is Tim M. Rush. My business address is 1201 Walnut, Kansas City, Missouri	
3		64106-2124.	
4	Q:	By whom and in what capacity are you employed?	
5	A:	I am employed by Kansas City Power & Light Company ("KCPL" or "Company") as	
6		Director, Regulatory Affairs.	
7	Q:	What are your responsibilities?	
8	A:	My general responsibilities include overseeing the preparation of the rate case, class cost	
9		of service and rate design of the Company. I am also responsible for overseeing the	
10		regulatory reporting and general activities as they relate to the Missouri Public Service	
11		Commission ("MPSC").	
12	Q:	Please describe your education, experience and employment history.	
13	A:	In addition to public schools, I received a Master's Degree in Business Administration	
14		from Northwest Missouri State University in Maryville, Missouri. I did my	
15		undergraduate study at both the University of Kansas in Lawrence and the University of	
16		Missouri in Columbia. I received a Bachelor of Science Degree in Business	
17		Administration with a concentration in Accounting from the University of Missouri in	
18		Columbia.	

1	Q:	Have you previously testified in a proceeding at the MPSC or before any other
2		utility regulatory agency?
3	A:	I have testified on numerous occasions before the MPSC on a variety of issues affecting
4		regulated public utilities.
5	Q:	What is the purpose of your testimony?
6	A:	The purpose of my testimony is to explain how KCPL has satisfied the MPSC's
7		minimum filing requirements ("MFR") and to explain the results of, and how KCPL
8		proposes to implement, the class cost of service study it conducted pursuant to the terms
9		of the Stipulation and Agreement concerning KCPL's Regulatory Plan, which the MPSC
10		approved in Case No. EO-2005-0329 ("Regulatory Plan Stipulation and Agreement").
11		My direct testimony will also discuss KCPL's proposed rate design and changes to the
12		Company's General Rules and Regulations, as set forth in its Missouri tariffs ("Missouri
13		Rules").
14		I. MINIMUM FILING REQUIREMENTS
15	Q:	What is the purpose of this part of your testimony?
16	A:	My purpose is to confirm that KCPL has satisfied the MPSC's MFR, as set forth in 4 CSR
17		§ 240-3.030 and 4 CSR § 240-3.160.
18	Q:	How did KCPL satisfy the MFR?
19	A:	The following information was prepared addressing the specific requirements of the MFR
20		as outlined in 4 CSR § 240-3.030(3):
21		A: Letter of transmittal
22		B: General information, including:

ı		1. the amount of dollars of the aggregate annual increase and percentage
2		over current revenues;
3		2. names of counties and communities affected;
4		3. the number of customers to be affected;
5		4. the average change requested in dollars and percentage change from
6		current rates;
7		5. the proposed annual aggregate change by general categories of service
8		and by rate classification;
9		6. press releases relative to the filing; and
10		7. a summary of reasons for the proposed changes.
11	Q:	Are you sponsoring this information?
12	A:	Yes, I am.
13	Q:	Was this information prepared under your direct supervision?
14	A:	Yes, it was.
15	Q:	Were the provisions of 4 CSR 240-3.160 also addressed, concerning a depreciation
16		study, database and property unit catalog?
17	A:	Pursuant to 4 CSR § 240-3.160(1)(A), the Company is not required to submit the
18		information included in this section with this filing because the MPSC staff has received
19		these items from the Company within the three years prior to the Company filing for a
20		general increase. The depreciation and amortization rates used in the preparation are
21		found in Appendix G-1 through G-3 of the Regulatory Plan Stipulation and Agreement.
22		II. ELECTRIC RATE DESIGN
23	1.	Cost of Service

- 1 Q: Are you sponsoring the electric tariffs filed in this case?
- 2 A: Yes, I am.
- 3 Q: Please describe generally the electric tariffs and the proposed changes and how the
- 4 rate design set out in these tariffs was developed.
- 5 A: The proposed tariffs and rate design are the result of an extensive effort on the part of
- 6 KCPL to determine the Company's appropriate cost of providing service and the
- 7 appropriate rate design. The general goal of the Company's electric rate design as
- 8 contained in the proposed tariffs is to provide reasonable energy prices that encourage the
- 9 efficient use of electricity while at the same time allowing a reasonable return on
- investment. The Company developed a class cost of service ("COS") study as set out in
- 11 the Regulatory Plan Stipulation and Agreement. The class COS study was used to help
- develop the appropriate revenues for each class of service. KCPL witness Lois J. Liechti
- is sponsoring the testimony on the development of the class COS study.
- 14 Q: What is the purpose of a class COS study?
- 15 A: The purpose of a class COS study is to determine the return on rate base of each class of
- 16 customer served in relation to the total Company return on rate base. Such a study
- provides guidance to determine if any adjustments are necessary in the class revenue
- requirements. The conclusions from the class COS study performed in this case appear
- as Schedule LJL-1, pages 1 through 3, attached to the testimony of Lois J. Liechti.
- 20 Q: What did the results of the study show?
- 21 A: The results indicate that the residential class is not providing a comparable return on rate
- base in comparison to all other major classes of customers. The results of the class cost
- of service show a return in the residential class that is 74% of the overall average. This is

shown by looking on line 0430 of LJL-1, page 1 of 3. The overall rate of return, line 0420 is 7.416% for the Missouri retail, column 601 and the residential class has a return of 5.497%. This latter amount is 74% of the overall return. This demonstrates that the residential class is not earning an equal return to the other classes. Small General Service Class is 11% above the overall average rate of return. Medium General Service is 40% above the overall return. Large General Service is 21% above the overall average and Large Power Service is 12% above the average. The column 607, Off-Peak Lighting was not used, but the results were all included in the Other Lighting Class, column 608. This class showed a rate of return that was 39% of the overall average.

Q. What kind of increases in rates would be required to each class have each classprovide the average rate of return?

A.

In order to provide an equal return on rate base for all classes of customers, the residential class revenues would have to be increased by 7.45% and the small, medium, large general service classes and large power class would have to be reduced by 2.99%, 9.04%, 4.60% and 2.29%, respectively. The Other Lighting Class would be increased by 10.30%. The results of levelizing the classes is shown on page 2 of Schedule LJL-1 on line 0880. If the Company were to recommend these changes, the changes would be made in addition to the requested increase of the Company. The Company is requesting an overall increase of 11.45%. To reflect the changes described above and the overall increase request would result in an increase to the residential class of nearly 20%.

Q: What rate adjustments are being proposed for each class?

1 A: The Company does not propose to change the current relationship of customer class 2 returns to the average jurisdictional return. The Company is recommending an equal 3 percentage increase be to all customer classes with minimal changes to rate design. 4 Q: Why are you not suggesting changes to customer class revenues based on the 5 outcome of the class COS study? 6 A: KCPL completed a class COS and rate design case in 1996. This case included major 7 restructuring of all rate schedules and included shifts of revenue between classes to move 8 class returns closer to the average jurisdictional return. It is the Company's position that 9 any additional shift in revenue requirement among classes for the purpose of achieving 10 equal returns of all classes is more appropriately addressed in a future rate design case. 11 KCPL has not requested an increase in rates in over twenty years. Some disparity 12 between customer class rates of return has been in existence for the entire twenty year 13 period and perhaps as long as fifty years. KCPL does not believe it is appropriate to 14 increase any class of customer rates higher than the average in this case. Minimal 15 movement toward average rate of return would be required to minimize the impact on 16 individual customers' bills. It is KCPL's position that even a minimal increase above 17 average would add undue burden on those customers at this time. In addition, a class 18 COS study is only a guide and provides cost by class for only a particular point in time. 19 Because of the significant investments the Company is making, including investments in 20 customer programs designed to assist customers in managing their energy bill, it is 21 premature to align average class rates of return in this case. It is KCPL's belief that the 22 appropriate time to move toward equal rate of return for all customer classes is after 23

completion of the Regulatory Plan and the in-service date of the base load coal plant.

- Subsequent to that case it may be appropriate to file another rate design case based on a revenue neutral jurisdictional revenue requirement that would result in minimizing a one-time impact of any particular customer or class of customer.
- 4 2. Rate Design
- Describe the general approach and the proposed modification for each electric rate design change that KCPL is recommending in this proceeding.
- A: With the exception of space-heating rates, residential service charges, adjustments related to revised line losses for commercial and industrial customers and some clean up of our tariffs, KCPL's proposed rates reflect equal percentage increases for all charges.
- 10 Q: How is the increase to the residential class to be implemented?
- 11 A: Schedule TMR-1, page 1 outlines the proposed residential rate adjustments. In general, 12 we are proposing to maintain the current relationship of rate design within the residential 13 class, except to increase the service charge by a larger percentage than the other rate 14 components. The reason for increasing the service charge is to more closely approximate 15 the cost of providing this service. The overall class rate adjustment is then adjusted by 16 the overall percentage and reflects the average of the overall rate request by the 17 Company. The overall proposed change in rates for the residential class is equal to the 18 average. KCPL provides separate meter space heating to customers with two meters. 19 One meter includes general usage and the other includes space-heating usage. The 20 practice of having two meters was initiated years ago when the electric heating market 21 was first developing and usually the loads could be separated. We are recommending to 22 no longer offer separate meter space-heating for new residential customers. Separate

1 meter space-heating will continue to be available to those existing customers who have 2 this service.

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Q:

A:

How are you proposing to modify the small, medium and large general service classes and the large power class rates?

The classes consist of numerous rate codes, which are differentiated by voltage level and all-electric versus general usage categories for all commercial and industrial customers. We propose to maintain the same rate classifications with several modifications within some of the categories. The Company recently completed a line loss study, which was part of the Regulatory Plan Stipulation and Agreement. The results of the line loss study were used in the class COS study and we are proposing to use the line loss study to differentiate voltage level rates. Second, we are proposing to adjust each of the allelectric winter energy charge rates by 5% above the average increase in the overall class. While making this recommendation, we are also proposing to change the availability section in the all-electric rates to allow customers who are not all-electric, but whose primary heating source is electric heat, to qualify for this rate. We currently offer separate meter space heating in each of the rates schedules for both primary and secondary service. We do not have any customers under the primary voltage level separate meter space-heating category and are recommending deleting this provision. We also have service charges within each rate schedule that vary based on the size of the customer. We are recommending deleting those service charges where we do not have customers or the customer usage characteristics would be such as they should be on another rate schedule. These latter two changes are essentially clean-up and simplification changes from the rate design case in 1996. We are also recommending

1		removing the provisions that established a different method for calculating facilities
2		charges for customers who were on a specific rate in 1996, the time that the rate design
3		case went into effect. The classes' overall rate adjustments reflect the average of the
4		overall rate request by the Company.
5	Q:	How are you proposing to modify the lighting class?
6	A:	The lighting class consists of numerous rate codes, which include customer-owned off-
7		peak street lighting, traffic signals and street lighting. We propose to maintain the same
8		rate classifications and to increase each rate component by the average increase proposed
9		for the Company. For the customer owned lighting schedule, we are proposing to
10		simplify the calculation from a multiple step rate to a single charge per Kwh. The overall
11		class increase is 11.46% to each of the tariffs.
12	Q:	What impact do the changes in rates have on the residential general use class?
13	A:	Attached and marked as Schedule TMR-2 is a comparison for various usage levels of
14		typical residential general use class customers.
15	Q.	Are there any other changes the Company is recommending?
16	A:	Yes, we are proposing several modifications in the Rules and Regulations of the
17		Company.
18		III. RULES AND REGULATIONS
19	Q:	Does KCPL's filing address changes to the Company's Missouri Rules?
20	A:	Yes, another part of the rate making and planning process has been to look at KCPL's
21		Missouri Rules. We have identified three broad, guiding themes for review: (i) adding
22		clarity, where needed; (ii) providing for consistency; and (iii) simplifying the existing
23		Missouri Rules to better serve customers.

1	Q:	Would you discuss, in greater detail, what is meant by adding clarity to the Missouri
2		Rules?
3	A:	We are seeking to clarify our Missouri Rules by providing clearer definitions. For
4		instance, in our current rules and regulations we use the word "Adult," however, that
5		word is not defined. To address this and similar issues, we are proposing to add ten (10)
6		new definitions to the Missouri Rules: Adult, Billing Error, Field Error, Fraud, Individual
7		Liability, Meter Error, Responsible Party, Tampering, Time of Application and
8		Unauthorized Use.
9		We recommend clarifying the treatment of "Other Extensions" in Missouri Rule 9.02. As
10		currently written, a customer could infer that the rule for Other Extensions may be
11		applied for line extensions for temporary service. To eliminate this possible
12		misunderstanding, we are proposing revisions to the language by adding the word
13		"permanent" to the opening sentence.
14	Q:	How would you, generally, describe what you refer to as providing for consistency
15		in the Missouri Rules?
16	A:	The first area is the returned check charge. We recommend bringing our insufficient
17		check charge amount more in line with our cost of providing this service. In Missouri,
18		the current charge is ten-dollars (\$10). We are recommending a change to the Missouri
19		charge to thirty dollars (\$30), which is in line with our actual costs of processing and
20		collecting on a returned check. We are also requesting this change in Kansas.
21		We also propose to implement the use of credit and debit cards as a means of payment for
22		residential customers with no fee charge to the customer. Under Missouri Rule 4.03, we
23		recommend including language to define that bills for residential service may be paid by

1 means of check, cash, credit or debit card. The basis for this recommendation is 2 contained in the direct testimony of KCPL witness Susan K. Nathan. Additionally, we 3 are recommending in Missouri to discontinue the practice of allowing third parties to 4 charge a fee of up to one dollar (\$1.00) at pay stations. We currently do not allow pay 5 stations to charge a collection fee in Kansas and it is our intent for consistency to 6 implement this practice in Missouri. With all of the payment options available, we 7 believe that allowing multiple options at no cost provides customers the best means for 8 paying for service. 9 KCPL is also recommending changing its deposit interest rate for Missouri customers, as 10 set forth in Missouri Rule 2.07(D). We recommend a deposit rate consistent among 11 commercial, industrial and residential customers equal to the federal reserve prime rate 12 plus 1%. Currently, KCPL pays nine percent (9%) on deposits to customers in Missouri. 13 This change is similar to other major utilities in the state deposit practice. Maintaining 14 the current fixed deposit rate does not account for the changes that occur in interest rates 15 over time. 16 KCPL proposes to remove the reference to "Seasonal" service from Missouri Rule 2.06 17 as the Company ceased providing Seasonal Rates, Amusement Parks, Baseball Fields, 18 and Christmas Tree Lots, etc., with rate changes for Missouri in 1996. 19 **Q**: You mentioned simplification, what sorts of changes do you propose to simplify 20 matters for Customers and Customer Care personnel? 21 A: First, each of our Missouri and Kansas jurisdictions has its own electric line extension 22 rules for single-phase, single-family dwellings for residential customers. In Missouri, 23 the rule provides the Customer 210 feet of Company facilities at no cost to the customer.

1		in Kansas, the rule provides up to one-quarter mile onto the customer's property. Our
2		recommendation is to change the Missouri rule to the current extension language in the
3		Kansas rule. This change would then give Missouri customers the same one-quarter mile
4		benefit as our Kansas customers. This change will also provide consistency between our
5		Missouri and Kansas jurisdictions and simplify the work of customer care personnel.
6		Within the context of single-phase, single family residential extensions, we are proposing
7		a change in the monthly recovery rate applied to amounts customers owe in excess of
8		costs provided by KCPL for residential customer extensions. We recommend modifying
9		this provision to provide more flexibility in arranging payments.
10		Another area of simplification for our customers and employees has been dealing with
11		customer needs for provision of service beyond what is normally provided a similarly
12		situated customer. In an effort to add simplicity to our relationships with customers
13		between Missouri and Kansas, and to provide a basis for our employees in their dealings
14		with customers in these matters, we are recommending an "Excess Facilities Charge."
15		The Excess Facilities Charge is a charge to customers for facilities and services above
16		and beyond the normal amount required for providing service.
17		The last suggested change regarding simplification is combining the rules for "Liability
18		of Company" and "Continuity of Service," Missouri Rules 3.17 and 3.09, respectively.
19		The language found in each of these sections is identical. We are simply recommending
20		that we consolidate the two rules into one, with a general heading that covers both
21		Liability and Continuity.
22	Q:	Does that conclude your testimony?
23	A:	Yes, it does.

BEFORE THE PUBLIC SERVICE COMMISSION OF THE STATE OF MISSOURI

In the Matter of the Application of Kansas City Power & Light Company to Modify Its Tariff to Begin the Implementation of Its Regulatory Plan Case No. ER-2006)
AFFIDAVIT OF TIM M. RUSH
STATE OF MISSOURI)) ss COUNTY OF JACKSON)
Tim M. Rush, being first duly sworn on his oath, states:
1. My name is Tim M. Rush. I work in Kansas City, Missouri, and I am employed
by Kansas City Power & Light Company as Director, Regulatory Affairs.
2. Attached hereto and made a part hereof for all purposes is my Direct Testimony
on behalf of Kansas City Power & Light Company consisting of +welve (12) pages and
Schedules TMR-1 and TMR-2, all of which having been prepared in written form for
introduction into evidence in the above-captioned docket.
3. I have knowledge of the matters set forth therein. I hereby swear and affirm that
my answers contained in the attached testimony to the questions therein propounded, including
any attachments thereto, are true and accurate to the best of my knowledge, information and
belief. //m//, Rush //m M. Rush
Subscribed and sworn before me this day of January 2006. Notary Public
My commission expires: CAROL SIVILS Notary Public - Notary Seal STATE OF MISSOURI

Clay County
My Commission Expires: June 15, 2007

RESIDENTIAL GENERAL SERVICES SUMMARY OF PROPOSAL SCENARIOS MISSOURI

http://spportal01/CaseWorks/5/DirectTestimony_Rush/Library/[MO TMR-1.xls]MO Residential

	INPUT FOR MODEL
0110=	Cust Chg
CUST	OMER CHARGE
	One Meter
	Two Meters
ENER	GY CHARGE
	Summer Rate
	0-600
	600-1000
	1000+
	Winter Rates
	Winter Gen - RESA/RESC
	0-600
	600-1000
	1000+
	Winter Gen&S/H - RESB
	0-600
	600-1000
	1000+
	Sep Space Heat Mtr
	Winter
	Summer
T-0-U	(RTOD)
	Customer Charge
	Summer On-Peak
	Summer Off-Peak
	Winter

		Overall Increase
Current Rates	Proposed Rates	(%)
Current Nates	Froposeu Nates	(/0)
6.11	8.36	36.82%
7.56	10.03	32.67%
0.0740	0.0814	10.00%
0.0740	0.0814	
0.0740	0.0814	10.00%
0.0740	0.0614	10.00%
0.0666	0.0674	1.20%
0.0398	0.0513	28.89%
0.0332	0.0379	14.16%
0.0468	0.0513	9.62%
0.0468	0.0513	9.62%
0.0326	0.0375	15.03%
0.0320	0.0373	13.03%
0.0318	0.0375	17.92%
0.0740	0.0814	10.00%
0.40	40.50	44 400/
9.42	10.50	11.46%
0.1134	0.1264	11.46%
0.0632	0.0704	11.39%
0.0468	0.0522	11.54%

SMALL GENERAL SERVICES SUMMARY OF PROPOSAL SCENARIOS MISSOURI

http://spportal01/CaseWorks/5/DirectTestimony_Rush/Library/[MO TMR-1.xls]MO Small General

	INPUT FOR MODEL
	Cust Chg
A: CUS	TOMER CHARGE
	Metered Service:
	0-24 KW
	25-199 KW
	200-999 KW
	1001+ KW
	Unmetered Service
	Separately Metered Space Heat
n = 10	
B: FAC	ILITIES CHARGE
	SECONDARY:
	0-25 KW
	26+ KW
	PRIMARY:
	0-26 KW
	27+ KW
C: ENE	RGY CHARGE
	SECONDARY-SUMMER:
	0-180 hrs use per month
	181-360 hrs use per month
	361+ hrs use per month
	SECONDARY-WINTER:
	0-180 hrs use per month
	181-360 hrs use per month
	361+ hrs use per month
	PRIMARY-SUMMER:
	0-180 hrs use per month
	181-360 hrs use per month
	361+ hrs use per month
	PRIMARY-WINTER:
	0-180 hrs use per month
	181-360 hrs use per month
	361+ hrs use per month
	SECONDARY-WINTER - ALL ELECTRIC
	0-180 hrs use per month
	181-360 hrs use per month
	361+ hrs use per month
	PRIMARY-WINTER - ALL ELECTRIC
	0-180 hrs use per month
	181-360 hrs use per month
	361+ hrs use per month
D: SEP	ARATELY METERED S/H-WINTER
	SECONDARY
	PRIMARY

Overall Increase			
Current Rates	Proposed Rates	(%)	
		-	
		-	
11.18	12.46	11.45%	
30.98	34.53	11.46%	
62.92	34.53	-45.12%	
537.24	34.53	-93.57%	
4.68	5.22	11.54%	
1.45	1.62	11.72%	
		_	
_	0	_	
1.840	2.051	11.47%	
1.040	2.001	11.77 70	
_	0	_	
1.802	2.009	11.49%	
		-	
		-	
0.10071	0.1121	11.31%	
0.04779	0.0532	11.32%	
0.04257	0.0474	11.35%	
		-	
0.07826	0.0872	11.42%	
0.03820	0.0426	11.52%	
0.03447	0.0387	12.27%	
0.09870	0.1096	11.04%	
0.04683		10.83%	
0.04172	0.0463	10.98%	
0.01172	0.0.00	10.0070	
0.07669	0.0852	11.10%	
0.03743	0.0416	11.14%	
0.03378	0.0378	11.90%	
0.05348	0.0626	1	
0.03392	0.0399	17.63%	
0.03392	0.0382	12.62%	
0.05040	0.0010	40.750/	
0.05242	0.0612	16.75% 17.33%	
0.03324 0.03324	0.0390 0.0373	17.33%	
0.03324	0.03/3	12.2170	
0.03447	0.038	10.24%	
0.03378	0.038	1	

MEDIUM GENERAL SERVICE SUMMARY OF PROPOSAL SCENARIOS MISSOURI

http://spportal01/CaseWorks/5/DirectTestimony_Rush/Library/[MO TMR-1.xls]MO Med General

	INPUT FOR MODEL
	Cust Chg
A: CUS	TOMER CHARGE
	0-24 KW
	25-199 KW
	200-999 KW
	1001+ KW
	Separately Metered Space Heat
B: FAC	ILITIES CHARGE
	SECONDARY:
	PRIMARY:
C: DEM	AND CHARGE
	SECONDARY-SUMMER:
	SECONDARY-WINTER
	PRIMARY-SUMMER
	PRIMARY-WINTER
	SECONDARY-WINTER - ELEC ONLY
	PRIMARY-WINTER - ELEC ONLY
D: ENEI	RGY CHARGE
	SECONDARY-SUMMER:
	0-180 hrs use per month
	181-360 hrs use per month
	361+ hrs use per month
	SECONDARY-WINTER:
	0-180 hrs use per month
	181-360 hrs use per month
	361+ hrs use per month
	PRIMARY-SUMMER:
	0-180 hrs use per month
	181-360 hrs use per month
	361+ hrs use per month
	PRIMARY-WINTER:
	0-180 hrs use per month
	181-360 hrs use per month
	361+ hrs use per month
	SECONDARY-WINTER - ALL ELECTRIC
	0-180 hrs use per month
	181-360 hrs use per month
	361+ hrs use per month
	PRIMARY-WINTER - ALL ELECTRIC
	0-180 hrs use per month
	181-360 hrs use per month
	361+ hrs use per month
E: SEP/	ARATELY METERED S/H-WINTER
	SECONDARY
	PRIMARY

	Overall Increase					
Current Rates	Proposed Rates	(%)				
		(19)				
		_				
30.98	34.53	11.46%				
30.98	34.53	11.46%				
62.92	34.53	-45.12%				
537.24	34.53	-93.57%				
1.45	1.62	11.72%				
		-				
		-				
1.84	2.051	11.47%				
1.53	1.705	11.44%				
		-				
2.544	2.836	11.48%				
1.294	1.442	11.44%				
2.493	2.771	11.15%				
1.268	1.409	11.12%				
1.834	2.044	11.45%				
1.798	1.998	11.12%				
		-				
		-				
0.06651	0.0740	11.26%				
0.04543	0.0506	11.38%				
0.03839	0.0428	11.49%				
0.0000	0.0.20	-				
0.05745	0.0639	11.23%				
0.03445	0.0383	11.18%				
0.02896	0.0322	11.19%				
0.06519	0.0723	10.91%				
0.04452	0.0495	11.19%				
0.03763	0.0418	11.08%				
0.05630	0.0624	10.83%				
0.03376	0.0375	11.08%				
0.02838	0.0314	10.64%				
0.03520	0.0444	16.76%				
0.03520	0.0411 0.0275	1				
0.02318	0.0275					
0.02123	0.0240	15.67 70				
0.03449	0.0402	16.56%				
0.02272	0.0269	18.40%				
0.02080	0.0241	15.87%				
		1				
0.02896	0.0322	11.19%				
0.02838	0.0314	10.64%				
0.452	0.504	11.50%				

LARGE GENERAL SERVICE SUMMARY OF PROPOSAL SCENARIOS MISSOURI

http://spportal01/CaseWorks/5/DirectTestimony_Rush/Library/[MO TMR-1.xls]MO Large General

	Cust Chg
A - CU	STOMER CHARGE
n. CU	0-24 KW
	25-199 KW
	200-999 KW
	1001+ KW
	Separately Metered Space Heat
	图: 3. 新聞 [18] [18] [18] [18] [18] [18] [18] [18]
3: FAC	CILITIES CHARGE
	SECONDARY:
	PRIMARY;
C: DEN	MAND CHARGE
	SECONDARY-SUMMER:
	SECONDARY-WINTER
	PRIMARY-SUMMER
	PRIMARY-WINTER
	SECONDARY-WINTER - ELEC ONLY
	PRIMARY-WINTER - ELEC ONLY
D: ENE	RGY CHARGE
	SECONDARY-SUMMER:
	0-180 hrs use per month
	181-360 hrs use per month
	361+ hrs use per month
	SECONDARY-WINTER:
	0-180 hrs use per month
	181-360 hrs use per month
	361+ hrs use per month
	PRIMARY-SUMMER:
	0-180 hrs use per month
	181-360 hrs use per month
	361+ hrs use per month
	PRIMARY-WINTER:
	0-180 hrs use per month
	181-360 hrs use per month
	361+ hrs use per month
	SECONDARY-WINTER - ALL ELECTRIC
	0-180 hrs use per month
	181-360 hrs use per month
	361+ hrs use per month
	PRIMARY-WINTER - ALL ELECTRIC
	0-180 hrs use per month
	181-360 hrs use per month
	361+ hrs use per month
E: SEF	PARATELY METERED S/H-WINTER
	SECONDARY
	PRIMARY

r	Occased to access						
	Current Rates	Draws and Bates	Overall Increase				
ŀ	Current Rates	Proposed Rates	(%)				
			_				
l	62.92	70.13	11.46%				
١	62.92	70.13	11.46%				
١	62.92	70.13	11.46%				
ı	537.24	598.81	11.46%				
ı	1.45	1.62	11.72%				
ı			-				
I	4.04	0.054	-				
ı	1.84 1.53	2.051 1.705	11.47% 11.44%				
ı	1.53	1.705	11.44%				
			_				
1	3.680	4.102	11.47%				
I	1.981	2.208	11.46%				
١	3.607	4.007	11.09%				
١	1.941	2.157	11.13%				
١	1.834	2.044	11.45%				
1	1.798	1.997	11.07%				
			-				
			-				
١	0.05405	0.0500	0.740/				
İ	0.05405	0.0593	9.71%				
ı	0.04114	0.0454	10.35%				
ı	0.03216	0.0354	10.07%				
1	0.04969	0.0548	10.28%				
	0.03161	0.0349	10.41%				
	0.02712	0.0301	10.99%				
ı	0.05297	0.0581	9.68%				
	0.04032	0.0444	10.12%				
	0.03152	0.0347	10.09%				
	0.04869	0.0536	10.08%				
	0.03098	0.0330	10.07%				
	0.02658	0.0292	9.86%				
1	0.02000	0.0202	0.0070				
1							
	0.03520	0.0412	17.05%				
	0.02318	0.0272					
ļ	0.02123	0.0251	18.23%				
			10.500				
	0.03449	0.0402	16.56%				
	0.02272	0.0265					
	0.02080	0.0245	17.79%				
	0.02712	0.0302	11.36%				
	0.02658	0.0295	10.99%				
I	0.452	0.504	11.50%				
		1	1				

LARGE POWER SERVICE SUMMARY OF PROPOSAL SCENARIOS MISSOURI

 $http://spportal01/CaseWorks/5/DirectTestimony_Rush/Library/[MO\ TMR-1.xls]MO\ Large\ Power$

INPUT FOR MODEL		 	Overell !
Cust Chg	Current Rates	Proposed Rates	Overall Increase (%)
A: CUSTOMER CHARGE			
A. COSTOMER CHARGE	537.24	598.81	11.46%
	-	0	11.10%
	-	0	
B: FACILITIES CHARGE			
SECONDARY;	1.840	2.051	11.47%
PRIMARY:	1.530	1.705	11.449
SUBSTATION VOLTAGE	0.463	0.516	11.45%
TRANSM VOLTAGE	-	0	0.00%
C: DEMAND CHARGE			
SECONDARY-SUMMER:			-
First 2450 kw	7.138	7.956	11.46%
Next 2450 kw	5.710	6.364	11.45%
Next 2450 kw	4.783	5.331	11.469
All kw over 7350 kw	3.492	3.892	11.45%
SECONDARY-WINTER			
First 2450 kw	4.852	5.408	11.469
Next 2450 kw	3.787	4.221	11.469
Next 2450 kw	3.341	3.724	11.469
All kw over 7350 kw	2.571	2.866	11.479
PRIMARY-SUMMER			
First 2500 kw	6.996	7.773	11.119
Next 2500 kw	5.596	6.218	11.129
Next 2500 kw	4.687	5.209	11.149
All kw over 7500 kw	3.422	3.803	11.139
PRIMARY-WINTER			
First 2500 kw	4.755	5.283	11.109
Next 2500 kw	3.711	4.124	11.139
Next 2500 kw	3.274	3.638	11.129
All kw over 7500 kw	2.520	2.800	11.119
SUBSTATION-SUMMER			
First 2520 kw	6.940	7.682	10.699
Next 2520 kw	5.551	6.146	
Next 2520 kw	4.649	5.147	
All kw over 7560 kw	3.395	3.758	
SUBSTATION-WINTER			
First 2520 kw	4.717	5.222	10.719
Next 2520 kw	3.681	4.076	
Next 2520 kw	3.248	3.596	10.719
All kw over 7560 kw	2.499	2.768	10.769
TRANSMISSION-SUMMER			
First 2541 kw	6.883	7.614	
Next 2541 kw	5.507	6.090	10.599

LARGE POWER SERVICE SUMMARY OF PROPOSAL SCENARIOS MISSOURI

http://spportal01/CaseWorks/5/DirectTestimony_Rush/Library/[MO TMR-1.xls]MO Large Power

	Cust Chg	
	Next 2541 kw	
	All kw over 7623 kw	
	TRANSMISSION-WINTER	
	First 2541 kw	
	Next 2541 kw	
	Next 2541 kw	
	All kw over 7623 kw	
: ENE	RGY CHARGE	
	SECONDARY-SUMMER:	
	0-180 hrs use per month	
	181-360 hrs use per month	
	361+ hrs use per month	
	SECONDARY-WINTER:	
	0-180 hrs use per month	
	181-360 hrs use per month	
	361+ hrs use per month	
	PRIMARY-SUMMER:	
	0-180 hrs use per month	
	181-360 hrs use per month	
	361+ hrs use per month	
	PRIMARY-WINTER:	
	0-180 hrs use per month	
	181-360 hrs use per month	
	361+ hrs use per month	
	SUBSTATION-SUMMER	
	0-180 hrs use per month	
	181-360 hrs use per month	
	361+ hrs use per month	
	SUBSTATION-WINTER	
	0-180 hrs use per month	
	181-360 hrs use per month	
	361+ hrs use per month	
	TRANSMISSION-SUMMER	
	0-180 hrs use per month	
	181-360 hrs use per month	
	361+ hrs use per month	
	TRANSMISSION-WINTER	
	0-180 hrs use per month	
	181-360 hrs use per month	
	361+ hrs use per month	

r	Overall Increase					
Current Rates	Proposed Rates	(%)				
4.613	5.102	10.60%				
3.367	3.725	10.63%				
3.307	3.725	10.03%				
4.678	5.175	10.62%				
3.652	4.039	10.62%				
3.222		10.58%				
2.479	3.563 2.742	10.61%				
2.479	2.142	10.01%				
0.04470	0.0498	11.41%				
0.03109	0.0498	11.61%				
0.02230	0.0250	12.11%				
0.02230	0.0230	12.11/0				
0.03790	0.0422	11.35%				
0.02828	0.0315	11.39%				
0.02210	0.0247	11.76%				
0.02210	0.0241	11.7070				
0.04381	0.0487	11.16%				
0.03047	0.0339	11.26%				
0.02186	0.0244	11.62%				
0.02100	0.0244	11.0270				
0.03714	0.0412	10.93%				
0.02771	0.0308	11.15%				
0.02165	0.0242	11.78%				
0.02100	0.02 12	11.7070				
0.04346	0.0482	10.91%				
0.03023	0.0334	10.49%				
0.02168	0.0241	11.16%				
0.02700	0.0211					
0.03684	0.0408	10.75%				
0.02749	0.0304	10.59%				
0.02148	0.0239	11.27%				
0.04311	0.0477	10.65%				
0.02999	1	10.70%				
0.02151	•	1				
0.03655	0.0405	10.81%				
0.02727		10.74%				
0.02131	0.0236					
		1				
0.452	0.504	11.50%				
		<u> </u>				

KCPL PROPOSED RESIDENTIAL BASE RATE - TYPICAL BILL IMPACT ANALYSIS RATE A - GENERAL USE
MISSOURI
E:\Regulatory\COSUG-ClessCOS\Regulatory\COSUG-ClessCOS\Regulatory\COSUG-ClessCOS\Regulatory\COSUG-ClessCOS\Regulatory\COSUG-ClessCOS\Regulatory\COSUG-ClessCOS\Regulatory\COSUG-ClessCOS\Regulatory\COSUG-ClessCOS\Regulatory\COSUG-ClessCOS\Regulatory\COSUG-ClessCOS\Regulatory\COSUG-ClessCOS\Regulatory\COSUG-ClessCOS\Regulatory\COSUG-ClessCOS\Regulatory\COS\Regulatory\COS\Regulatory\COS\Regulatory\COS\Regulatory\COS\Regulatory\COS\Regulatory\Cos\Reg

average usage	3000	\$ 128.39 \$ 145.12 13.03%	\$ 1,140.36 \$ 1,292.08 13.30%	\$ 1,229.16 \$ 1,389.76 13.07%	\$ 1,258.76 \$ 1,422.32 12.99%	\$ 1,303.16 \$ 1,471.16 12.89%	\$ 1,347.56 \$ 1,520.00 12.80%	\$ 1,406.76 \$ 1,585.12 12.68%	\$ 1,495.56 \$ 1,682.80 12.52%	\$ 1,637.64 \$ 1,839.08 12.30%	\$ 1,939.56 \$ 2,171.20 11.94%
	2000	95.19 (107.22 (12.64%	874.76 988.88 13.05%	963.56 1,086.56 12.77%	993.16 1,119.12 12.68%	1,037.56 1,167.96 12.57%	1,081.96 1,216.80 12.46%	1,141.16 1,281.92 12.33%	1,229.96 1,379.60 12.17%	1,372.04 1,535.88 11.94%	1,673.96 1,868.00 11.59%
	1500	78.59 \$ 88.27 \$ 12.32%	741.96 \$ 837.28 \$ 12.85%	830.76 \$ 934.96 \$ 12.54%	860.36 \$ 967.52 \$ 12.46%	904.76 \$ 1,016.36 \$ 12.33%	949.16 \$ 1,065.20 \$ 12.23%	1,008.36 \$ 1,130.32 \$ 12.09%	1,097.16 \$ 1,228.00 \$ 11.93%	1,239.24 \$ 1,384.28 \$ 11.70%	1,541.16 \$ 1,716.40 \$ 11.37%
	1250	70.29 \$ 78.80 \$ 12.11%	675.56 \$ 761.52 \$ 12.72%	764.36 \$ 859.20 \$ 12.41%	793.96 \$ 891.76 \$ 12.32%	838.36 \$ 940.60 \$ 12.20%	882.76 \$ 989.44 \$ 12.08%	941.96 \$ 1,054.56 \$ 11.95%	1,030.76 \$ 1,152.24 \$ 11.79%	1,172.84 \$ 1,308.52 \$ 11.57%	1,474.76 \$ 1,640.64 \$ 11.25%
	NH USAGE 1000	61.99 \$ 69.32 \$ 11.82%	609.16 \$ 685.68 \$ 12.56%	697.96 \$ 783.36 \$ 12.24%	727.56 \$ 815.92 \$ 12.14%	771.96 \$ 864.76 \$ 12.02%	816.36 \$ 913.60 \$ 11.91%	875.56 \$ 978.72 \$ 11.78%	964.36 \$ 1,076.40 \$ 11.62%	1,106.44 \$ 1,232.68 \$ 11.41%	1,408.36 \$ 1,564.80 \$ 11.11%
\$8.36 \$0.0814 \$0.0814 \$0.0814 \$0.0674 \$0.0573	WINTER KWH USAGE 750 1000	52.04 \$ 56.50 \$ 8.57%	529.56 \$ 583.12 \$ 10.11%	618.36 \$ 680.80 \$ 10.10%	647.96 \$ 713.36 \$ 10.09%	692.36 \$ 762.20 \$ 10.09%	736.76 \$ 811.04 \$ 10.08%	795.96 \$ 876.16 \$ 10.08%	884.76 \$ 973.84 \$ 10.07%	1,026.84 \$ 1,130.12 \$ 10.06%	1,328.76 \$ 1,462.24 \$ 10.05%
AL USE Schedule First 600 Over 1000 Next 400 Over 1000 Over 1000	200	39.41 \$ 42.06 \$ 6.72%	Annual (4 summer and 8 winter months) \$ 268.68 \$ 428.52 \$ \$ 305.84 \$ 467.60 \$ 13.83% 9.12%	517.32 \$ 565.28 \$ 9.27%	546.92 \$ 597.84 \$ 9.31%	591.32 \$ 646.68 \$ 9.36%	635.72 \$ 695.52 \$ 9.41%	694.92 \$ 760.64 \$ 9.46%	783.72 \$ 858.32 \$ 9.52%	925.80 \$ 1,014.60 \$ 9.53%	1,227.72 \$ 1,346.72 \$ 9.69%
Charge Charge	200	Winter Bill \$ 19.43 \$ 21.84 \$ 12.40%	al (4 summer and 268.68 \$ 305.84 \$ 13.83%	357.48 \$ 403.52 \$ 12.88%	387.08 \$ 436.08 \$ 12.66%	431.48 \$ 484.92 \$ 12.38%	475.88 \$ 533.76 \$ 12.16%	535.08 \$ 598.88 \$ 11.92%	623.88 \$ 696.56 \$ 11.65%	765.96 \$ 852.84 \$ 11.34%	1,067.88 \$ 1,184.96 \$ 10.96%
Proposed Customer Summer: Winter:		Winte	Annu &	69 69	₩ ₩	\$ \$	& ₩	• •	\$ \$	& &	\$ \$
\$6.11 \$0.0740 \$0.0740 \$0.0666 \$0.0332	0	Customer Charge \$ 6.11 \$ 8.36 35.82%	\$ 28.31 \$ 32.78 15.79%	50.51 57.20 13.24%	57.91 65.34 12.83%	69.01 77.55 12.38%	80.11 89.76 12.05%	94.91 106.04 11.73%	117.11 130.46 11.40%	152.63 169.53 11.07%	228.11 252.56 10.72%
adule dule		S ⇔ ⇔	Sum & &	₩ ₩	<i>↔</i> ↔	6 6	↔ ↔	& ↔	<i>↔</i> ↔	↔ ↔	& &
Current GENERAL USE Schedule Customer Charge Summer: First 600 Next 400 Over 1000 Winter: First 600 Next 400 Over 1000 Over 1000	AVERAGE MONTHLY USAGE SUMMER KWH USAGE	Current Proposed Change	Current Proposed Change	Current Proposed Change	Current Proposed Change	Current Proposed Change	Current Proposed Change	Current Proposed Change	Current Proposed Change	Current Proposed Change	Current Proposed Change
Current GENERAL Customer Charge Summer: First 6 Next 4 Over 7 Next 4 Over 7 Next 4 Over 4	AVERA(0	300	009	200	850	1000	1200	1500	1980	3000