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March 23, 2004

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PUBLIC CERVICE COMMISSION

Mr. Thomas M. Dorman Executive Director Kentucky Public Service Commission 211 Sower Boulevard Frankfort, KY 40602

RE: In the matter of: An Adjustment of the Electric Rates, Terms and Conditions of Louisville Gas and Electric Company (2003-00433)

Dear Mr. Dorman:

Enclosed for filing on the above docket are an original and eleven (11) copies of the direct testimony of Kevin C. Higgins for The Kroger Co.

Very truly yours, David C. Brown

DCB:rdh

Enclosures

cc: Counsel of record

KR091:000KR:367388:1:LOUISVILLE

Louisville Gas & Electric Company (2003-00433)

CERTIFICATE OF SERVICE

I hereby certify that a copy of the Direct Testimony of Kevin C. Higgins was served by e-

mail on counsel for the Applicant and by mailing a true and correct copy, by regular U.S. mail to

counsel for the Applicant and all parties on this the 23rd day of March, 2004:

Kendrick R. Riggs, Esq. Ogden Newell & Welch PLLC 1700 PNC Plaza 500 West Jefferson Street Louisville, Kentucky 40202 (Counsel for the Applicant)

Michael L. Kurtz, Esq. Boehm Kurtz & Lowry 2110 CBLD Center 36 East Seventh Street Cincinnati, Ohio 45202 (Counsel for Kentucky Industrial Utility Customers, Inc.)

Michael S. Beer, Vice President, Rates & Regulatory Kentucky Utilities Company c/o Louisville Gas & Electric Co. P. O. Box 32010 Louisville, Kentucky 40232-2010

David A. McCormick Regulatory Law Office (JALS-RL) U.S. Army Legal Services Agency 901 North Stuart Street, Room 713 Arlington, Virginia 22203-1837 (Counsel for U. S. Department of Defense)

Iris Skidmore Office of Legal Services, Division of Energy Environmental and Public Protection Cabinet Fifth Floor, Capital Plaza Tower Frankfort, Kentucky 40601 Linda S. Portasik, Esq. Senior Corporate Attorney LG&E Energy Corp. 220 West Main Street Louisville, Kentucky 40202 (Counsel for the Applicant)

Elizabeth E. Blackford, Esq. Assistant Attorney General 1024 Capital Center Drive, Suite 200 Frankfort, Kentucky 40601-8204 (Counsel for Attorney General, Office of Rate Intervention)

Lisa Kilkelly Legal Aid Society, Inc. 425 W. Muhammad Ali Blvd. Louisville, Kentucky 40202 (Counsel for Metro Human Needs Alliance and People Organized and Working for Energy Reform)

Joe F. Childers 201 West Short Street, Suite 310 Lexington, Kentucky 40507 (Counsel for Community Action Council and Kentucky Association for Community Action, Inc.)

Dávid C. Brown

COMMONWEALTH OF KENTUCKY

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BEFORE THE PUBLIC SERVICE COMMISSION

)) MAR 2 3 2004

PUBLIC SERVICE COMMISSION

In the Matter of:

AN ADJUSTMENT OF THE GAS) AND ELECTRIC RATES, TERMS) AND CONDITIONS OF LOUISVILLE) GAS AND ELECTRIC COMPANY) CASE NO: 2003-00433

DIRECT TESTIMONY OF KEVIN C. HIGGINS SPONSORED BY: THE KROGER CO.

March 23, 2004

ORIGINAL

1 2		COMMONWEALTH OF KENTUCKY BEFORE THE PUBLIC SERVICE COMMISSION	
3 4 5	An Adjustment of the Electric Rates, Terms and: Case No. 2003-00433Conditions of Louisville Gas and Electric Company:		
6 7			RECEIVED
8		DIRECT TESTIMONY OF KEVIN C. HIGGINS	MAR 5 3 2004
9	<u>Intro</u>	oduction	PUBLIC SERVICE CONTRIBUIN
10	Q.	Please state your name and business address.	
11	A.	Kevin C. Higgins, 39 Market Street, Suite 200, Salt Lake Ci	ty, Utah,
12		84101.	
13	Q.	By whom are you employed and in what capacity?	
14	A.	I am a Principal in the firm of Energy Strategies, LLC. Ene	rgy Strategies
15		is a private consulting firm specializing in economic and policy ana	lysis
16		applicable to energy production, transportation, and consumption.	
17	Q.	On whose behalf are you testifying in this proceeding?	
18	A.	My testimony is being sponsored by The Kroger Co. ("Krog	ger"). Kroger is
19		one of the largest retail grocers in the United States, and operates 2	9 stores and
20		several other facilities in the territory served by Louisville Gas and	Electric
21		Company ("LG&E"). These facilities purchase approximately 79 r	nillion kWh
22		annually from LG&E.	
23	Q.	Please describe your professional experience and qualifications	
24	A.	My academic background is in economics, and I have comp	oleted all
25		coursework and field examinations toward a Ph.D. in Economics at	t the University
26		of Utah. In addition, I have served on the adjunct faculties of both t	the University
27		of Utah and Westminster College, teaching undergraduate and grad	luate courses in

1		economics from 1981 to 1995. I joined Energy Strategies in 1995, where I assist
2		private and public sector clients in the areas of energy-related economic and
3		policy analysis, including evaluation of electric and gas utility rate matters.
4		Prior to joining Energy Strategies, I held policy positions in state and local
5		government. From 1983 to 1990, I was economist, then assistant director, for the
6		Utah Energy Office, where I helped develop and implement state energy policy.
7		From 1991 to 1994, I was chief of staff to the chairman of the Salt Lake County
8		Commission, where I was responsible for development and implementation of a
9		broad spectrum of public policy at the local government level.
10	Q.	Have you previously testified before any utility regulatory commissions?
11	A.	Yes. I have testified in over forty proceedings on the subjects of utility
12		rates, terms, and conditions before state utility regulators in Arizona, Colorado,
13		Georgia, Idaho, Indiana, Michigan, Nevada, New York, Ohio, Oregon, South
14		Carolina, Utah, Washington, and Wyoming.
15		A more detailed description of my qualifications is contained in Higgins
16		Exhibit 1, attached to this testimony.
17		
18	<u>Over</u>	rview and conclusions
19	Q.	What is the purpose of your testimony in this proceeding?
20	Α.	I have been asked to evaluate the merits of LG&E's proposal for a general
21		increase in electric rates and changes in terms and conditions of those rates. My
22		evaluation does not address the gas portions of the Company's filing. My
23		evaluation places particular emphasis on the impacts on commercial-sized

1	customers. I also have been asked to recommend any adjustments to the
2	Company's proposal that might be necessary to ensure results that are just and
3	reasonable. Given the wide scope of this general rate proceeding, I have
4	concentrated my efforts on a limited number of significant issues. Absence of
5	comment on my part regarding a particular issue does not signify support (or
6	opposition) toward the Company's filing with respect to the non-discussed issue.
7	Q. What conclusions have you reached in your analysis?
8	A. (1) LG&E's proposal to add \$19.4 million into rates to provide "merger savings" for
9	the benefit of its shareholders should be rejected. The cost of this proposal
10	comprises 30 percent of the Company's requested base rate increase of \$64
11	million. The "merger savings" retention proposal artificially raises customer rates
12	by \$19.4 million. This amount, stipulated in a prior proceeding, is not based on
13	known and measurable data. LG&E's proposal transfers to customers 100 percent
14	of the risk associated with realization of the projected merger savings, and places
15	0 percent of the risk on the Company. In so doing, the Company's proposal wipes
16	out any going-forward benefits to customers that would have accrued from the
17	2003 Settlement Agreement on the merger surcredit. LG&E's proposal is
18	particularly unreasonable in the context of the Company's requested increase of
19	11.34 percent in base rates. Rejecting this aspect of the Company's request will
20	reduce its requested revenue requirement by \$19,427,401.
21	(2) LG&E's proposal to add \$5.6 million into rates to retain Value Delivery Team
22	savings for the benefit of its shareholders should be rejected. The Company's
23	proposal is not reasonable in the context of a general rate case. A utility seeking a

1	rate increase has the obligation to reduce unnecessary costs. It is neither
2	necessary, nor sound public policy, to carry forward the type of reward being
3	sought by LG&E. Rejecting this aspect of the Company's request will reduce its
4	requested revenue requirement by \$5,640,000.
5	(3) LG&E's rate spread proposal ignores the results of the Company's own cost-of-
6	service study and is fundamentally unreasonable. LG&E's cost-of-service
7	analysis indicates that several of its customer classes actually deserve a rate
8	decrease - even at the Company's requested revenue requirement. Instead, the
9	Company is proposing to raise the rates of these customers from 8.5 to 12.5
10	percent in order to perpetuate an inordinately large subsidy to the Residential and
11	Lighting classes. I offer two alternatives to the Company's approach, either of
12	which is better tied to cost-of-service results than the Company's proposal. My
13	preferred alternative, Alternative 1, is to move each rate schedule 50 percent of
14	the way between an equal percentage increase and cost-of-service rates. My
15	second alternative is to keep rates constant for any rate schedule that is deserving
16	of a decrease, and to recover any remaining revenue deficiency from those rate
17	schedules that are below cost-of-service, in proportion to their respective cost-of-
18	service deficiencies.
19	(4) While I disagree with the <i>level</i> of charges that LG&E proposes for the Large
20	Commercial rate schedule, I fully the support the rate design changes that LG&E
21	has proposed for that rate schedule. LG&E's proposed rate design recognizes that
22	the current design penalizes high-load factor commercial customers for their more
23	constant level of usage, rather than rewards them. By raising the demand charge

1	and lowering the energy charge, the Company's unit charges more closely
1	
2	correspond to the results of its cost-of-service analysis, with respect to cost
3	classification. To reconcile the lower revenue requirement that I am
4	recommending (elsewhere in this testimony) with my support for LG&E's rate
5	design changes, I am recommending that any reductions to the Company's
6	proposed revenue requirement for the Large Commercial rates that are ordered by
7	the Commission be applied on an equal percentage basis to the unit charges as
8	proposed by LG&E in this proceeding.
9	(5)Currently, LG&E offers time-of-use rates for customers with loads greater than
10	150 kw. However, the Company now proposes to eliminate any time-of-use
11	options for customers with loads less than 2000 kw. This is a step backward.
12	Time-of-use rates should be made available to Large Commercial customers with
13	monthly demands less than 2000 kw, so that these customers could better respond
14	to price signals, as well as pay rates that are more closely aligned with the costs
15	they cause. This price responsiveness is especially important as LG&E adds gas-
16	fired combustion-turbines to its system. The Commission should order LG&E, as
17	part of any compliance filing in this case, to file a voluntary time-of-use rate for
18	Large Commercial customers with monthly demands between 150 kw and 2000
19	kw that provides peak and off-peak energy prices that properly reflect time-of-use
20	cost differences, using a design that is revenue-neutral for a customer with load
21	profile that is comparable to the class average.
22	

23

Treatment of "merger savings" 1

2	Q.	What is LG&E's proposal with respect to the treatment of merger savings?
3	A.	LG&E proposes to add \$19.4 million into rates to provide "merger
4		savings" for the benefit of its shareholders To achieve this result, LG&E proposes
5		to adjust its expenses upward – and its net operating income downward (for
6		regulatory purposes) – in the amount of \$19.4 million. ¹ This adjustment creates an
7		artificial operating income shortfall, which, in turn, results in a requested revenue
8		requirement increase of \$19.4 million. This increase comprises 30 percent of
9		LG&E's requested \$63.8 million rate increase.
10	Q.	What rationale does LG&E offer for this proposal?
11	A.	LG&E offers very little rationale in its direct testimony, simply
12		referencing the 2003 Settlement Agreement approved in Case No. 2002-00430. ²
13		Based on its responses to discovery questions, it is apparent that the Company is
14		relying heavily on that agreement.
15		The gist of the Company's rationale is that the 1997 LG&E merger with
16		Kentucky Utilities Company ("KU") is generating some amount of cost savings.
17		LG&E maintains that it is entitled to retain half the savings attributed to its share
18		of the merged system even after the adoption of new base rates, based on the prior
19		treatment of these cost savings in previous cases.
20	Q.	What is your understanding of the history of the treatment of the "merger
21		savings"?

¹ Rives Exhibit 1, p. 2, line 25. ² Pre-filed direct testimony of Valerie L. Scott, p. 9, lines 9-16.

DIRECT TESTIMONY OF KEVIN C. HIGGINS-6

1	А.	It is my understanding that LG&E and KU sought Commission approval
2		for a merger of the two utilities in 1997. The Commission's decision in approving
3		the merger led to the creation of a merger savings surcredit for customers, in
4		which half the projected non-fuel savings from the merger was passed through to
5		customers and half was retained by the merging utilities. ³ At about the five-year
6		mark, the merger surcredit was re-evaluated, in a proceeding dedicated to that re-
7		evaluation. Parties to that case entered into a Settlement Agreement that provided
8		for the merger surcredit to be continued for another five-year period in a
9		stipulated amount. The settlement also provided that some customers would
10		receive their credit dollars up-front, in the form of a discounted, lump-sum
11		payment. In addition, the merged utilities were allowed to continue to keep half
12		the stipulated merger savings, which was to be recognized as part of the
13		calculation of each utility's Earning Sharing Mechanism. The Settlement
14		Agreement was approved by the Commission on October 16, 2003. ⁴
15	Q.	Are you aware that the Settlement Agreement approved by the Commission
16		provided that the shareholder "merger savings" would be recognized in a
17		future general rate case?
18	A.	Yes. Although Kroger was not a participant in that docket, nor was a party
19		to the negotiations that led to the settlement, I am aware that Sections 3.1.2 and
20		3.2.2 of the Settlement Agreement among LG&E, KU, KIUC, LFUCG and the
21		Attorney General provide for expense adjustments that would convey "merger
22		savings" to shareholders in a general rate case. My testimony in this case explains

³ Kentucky PSC, Order, Case No. 97-0300, September 12, 1997.
⁴ Kentucky PSC, Order, Case No. 2002-00429 and Case No. 2002-00430.

DIRECT TESTIMONY OF KEVIN C. HIGGINS-7

why implementation of these settlement provisions would have an adverse impact 1 on ratepayers - an impact that the Commission may not have fully appreciated 2 when it approved the settlement last October. Although the 3 Commission approved the Settlement Agreement in Case Nos. 2002-00429 and 4 00430, and therefore, ostensibly, permitted the merger savings for shareholders 5 when new base rates are set, the treatment of merger savings in a general rate case 6 7 was not the fundamental issue in those cases. Instead, the major issue was the extension of the merger surcredit and the treatment of the merger savings 8 9 adjustment under the Earnings Sharing Mechanism. Based on my regulatory experience, I do not construe the Commission's act of approving a settlement in 10 11 one case as tying its hands in another, and precluding it from making the correct regulatory decision in a case of this importance. Therefore my testimony is based 12 13 on the assumption that the Commission has the authority to reconsider the merger 14 savings adjustment in this case if it leads to a result that is not fair, just and reasonable. 15 Q. 16 What are your objections to the Company's proposed treatment of "merger savings" in this proceeding? 17 18 Α. I have several objections that I would like to offer for the Commission's 19 consideration. First, the "merger savings" that LG&E wishes to collect in rates are

not known and measurable amounts. The "merger savings" in question are purely
hypothetical, based on projections made at the time of the merger. LG&E admits
that the amount of any actual merger savings is unknown. Further, the Company

1		has made no attempt to identify or track any merger savings. In response to
2		discovery, LG&E states:
3		Although significant efficiencies were achieved as a result of the
4		merger, as the Companies stated in Case No. 97-300, savings could
5		not be specifically tracked once the merger was consummated. The
6		difficulty of tracking actual merger savings was explained at the
7		hearing by Mr. Van Den Berg when he testified that, "As you go forward as a marged company, it will get york gray as to how the
8 9		forward as a merged company, it will get very gray as to how the savings are developed and where the savings occur, whether they
10		are created, developed and where the savings occur, whether they are created, developed, or enabled." [Citation omitted.] This same
11		point was confirmed by the Companies' witness, Mr. Ronald
12		Willhite, when he said, "It is a dynamic operation. Once
13		integration starts, once the two companies come together, all kinds
14		of things are going on at that time. I don't see how you could track
15		the savings. [T]o be able to go back and compare against what the
16		estimated savings were, I thinkwould be impossible." [Citation
17		omitted.] The Companies have not tracked actual savings that
18 19		were realized as a result of the merger. [Emphasis added.] 5
17		
20		Pro-forma adjustments should be known and measurable amounts.
21		LG&E's proposed adjustments for merger savings do not meet this standard.
22		Raising rates to recover costs that are not known and measurable is not just and
23		reasonable.
24	Q.	What is your second objection to the Company's "merger savings" proposal?
25	А.	A second, related objection is that the lack of knowledge about actual
26		merger savings means that the Company's proposal to retain \$19.4 million in
27		"merger savings" transfers 100 percent of the risk associated with realization of
28		the projected savings to customers, and places 0 percent of the risk on the
29		Company. This reversal of risk is not reasonable.

⁵ LG&E Response to PSC Question No. 2.16-i. (1)

1	Q.	How does the Company's proposal to retain \$19.4 million in "merger
2		savings" transfer 100 percent of the risk associated with realization of the
3		projected savings to customers?
4	A.	To understand how this risk transfer occurs, it is necessary to analyze the
5		mechanics of LG&E's general rate case proposal, and compare this to the
6		operation of the current merger surcredit.
7		The current merger surcredit reduces previously-established rates by the
8		amount of the credit. The benefit to customers is assured in the stipulated amount
9		of \$19.4 million per year ^{$6$} and does not depend on the realization of projected
10		savings. Customer rates are clearly lower as a result of the credit. I view this as
11		the sole benefit to customers of the 2003 Settlement Agreement.
12		In contrast, in the general rate case proposal, it is the Company's benefit
13		that is assured. As I described above, for regulatory purposes, LG&E builds \$19.4
14		million extra into its expenses, which increases the revenue requirement requested
15		from customers by the same amount. Thus, LG&E is assured that its targeted
16		merger benefit for shareholders is built into rates – whether or not the projected
17		merger savings are ever realized.
18		Customers, on the other hand, only benefit if there have been actual
19		merger savings in excess of the \$19.4 million benefit the Company has reserved
20		for itself. That is, under the Company's proposal, future merger-related savings
21		would be realized by customers only to the extent that the costs reflected in the
22		Company's general rate filing are lower by more than \$19.4 million as a result of

1		the merger. To illustrate, if annual merger savings really turned out to be the
2		\$38.8 million that was implied in the 2003 stipulation, then the costs shown in
3		LG&E's general rate filing would be \$38.8 million lower than would have been
4		the case absent the merger; after the inflation of expenses by \$19.4 million to
5		provide the Company' benefit, there would be another \$19.4 million in benefit
6		remaining that would be reflected in customers' rates.
7		Unfortunately, however, it is not known whether there really have been
8		such savings. Under LG&E's general rate case proposal, to the extent that actual
9		savings are less than what was projected, the full burden of the shortfall is
10		absorbed by customers, while the Company's full benefit is assured in rates. This
11		is what I mean when I state that the Company's proposal to retain \$19.4 million in
12		"merger savings" transfers 100 percent of the risk associated with realization of
13		the projected savings to customers, and places 0 percent of the risk on the
14		Company.
15	Q.	Could you provide an example of how this transfer of risk occurs under
16		LG&E's proposal?
17	A.	Yes. Although the amount of merger savings is unknown, let us assume
18		for a moment that actual merger savings in the LG&E system are in fact \$25
19		million per year – not the \$38.8 million that was projected. Under the 2003
20		settlement, customers receive an assured \$19.4 million per year in savings. While
21		LG&E is also entitled to \$19.4 million of savings, if the Company fails to meet its
22		target, the Company receives fewer benefits. This assignment of risk is fitting, as

⁶ The settlement provides for a merger surcredit of \$18 million per year for five years, plus \$6.9 million in up-front payments to certain customers. For convenience of exposition, I will refer to the amount of this

1		the merger was the Company's idea, and the Company, not customers, is in
2		charge of its implementation. In this example, the Company would only receive
3		\$5.6 million in benefits, i.e., \$25 million minus \$19.4 million. ⁷
4		Now let us consider what happens in the context of LG&E's general rate
5		case proposal. In this case, \$19.4 million of benefit to LG&E (through higher
6		rates) is built into the Company's revenue requirement. Customers, however,
7		would only receive \$5.6 million in benefits in this example, which would be
8		realized through lower costs reflected in test year expenses. Relative to the terms
9		of the 2003 settlement, customers would have been made worse off, as the risk
10		associated with realization of the projected savings from the merger would have
11		been transferred wholly to them.
12	Q.	But doesn't the continuation of the merger surcredit ensure that customers
12 13	Q.	But doesn't the continuation of the merger surcredit ensure that customers will continue to receive a \$19.4 million per-year benefit?
	Q. A.	
13		will continue to receive a \$19.4 million per-year benefit?
13 14		will continue to receive a \$19.4 million per-year benefit? No. It is true that the merger surcredit is slated to continue under the
13 14 15		will continue to receive a \$19.4 million per-year benefit? No. It is true that the merger surcredit is slated to continue under the Company's proposal. But in the context of a general rate case, the assurance of a
13 14 15 16	A.	 will continue to receive a \$19.4 million per-year benefit? No. It is true that the merger surcredit is slated to continue under the Company's proposal. But in the context of a general rate case, the assurance of a \$19.4 million benefit to customers is purely illusory.
13 14 15 16 17	А. Q .	 will continue to receive a \$19.4 million per-year benefit? No. It is true that the merger surcredit is slated to continue under the Company's proposal. But in the context of a general rate case, the assurance of a \$19.4 million benefit to customers is purely illusory. Please explain.
13 14 15 16 17 18	А. Q .	 will continue to receive a \$19.4 million per-year benefit? No. It is true that the merger surcredit is slated to continue under the Company's proposal. But in the context of a general rate case, the assurance of a \$19.4 million benefit to customers is purely illusory. Please explain. Within the mechanics of the general rate filing, the funding of the

combined customer benefit as being \$19.4 million per year. ⁷ The Company's risk is partially mitigated by the Earnings Sharing Mechanism, but only at earnings below the deadband. ⁸ See Seeyle Exhibit 27, p. 1. DIRECT TESTIMONY OF **KEVIN C. HIGGINS-12**

	dollar of the surcredit is funded by a dollar of rate increase. Once a general rate
	filing is implemented, the benefits from the merger are passed on to customers
	only through any actual lower costs of conducting business, as reflected in test
	year expenses. From an overall customer perspective, the merger surcredit
	mechanism becomes a wash. The only reason to keep it in place after new rates
	are implemented is to differentiate among those customers who received the
	credit in a lump-sum payment and those who did not. Once a general rate filing is
	implemented, the merger surcredit mechanism plays no meaningful role in
	reserving benefits for customers as a whole.
Q.	In your opinion, what is the impact of the Company's merger savings
	proposal on any benefits that customers receive pursuant to the 2003
	Settlement Agreement?
А.	Adoption of the Company's proposal would wipe out any future benefits
	to customers from the 2003 settlement. The only parties that would benefit from
ĸ	the terms of the settlement would be LG&E and KU. In my opinion, such a one-
	sided outcome is not in the public interest.
Q.	How would adoption of the Company's proposal result in the elimination of
	any future benefits to customers from the 2003 settlement?
А.	As I stated above, the sole benefit to customers of the 2003 Settlement
	Agreement is the assurance that rates are truly reduced by the stipulated amount
	of \$19.4 million, an assurance that does not depend on the realization of projected
	savings. Adoption of the Company's "merger savings" proposal would eliminate
	this assurance and make any customer benefit wholly dependent on the realization
	А. Q.

1		of projected savings in excess of \$19.4 million. Thus, I conclude that LG&E's
2		proposal would wipe out any future benefits to customers from the 2003
3		settlement, rendering it completely one-sided.
4	Q.	But couldn't there continue to be a benefit from the settlement if sufficient
5		merger savings exist?
6	A.	No. If sufficient merger savings exist, that would be a benefit of the
7		merger, not the settlement. Any merger savings would be reflected in test year
8		expenses used in the establishment of rates. The settlement, as distinct from the
9		merger, provided customers an assurance of \$19.4 million in savings. As I have
10		demonstrated above, LG&E's proposal in the general rate case eliminates this
11		assurance, and consequently, eliminates any future benefits to customers from the
12		settlement. The settlement becomes an empty shell, whose sole purpose is to serve
13		as a vehicle to advance the Company's arguments to ensure that \$19.4 million of
14		shareholder benefits are to be included in rates.
15	Q.	Do you have any other objections to the Company's proposal?
16	A.	Yes. A final consideration is that the creation of merger savings does not
17		entitle a regulated utility to a continuous premium in rates. With the filing of a
18		general rate case that seeks to raise rates 11.34 percent, LG&E has a
19		responsibility to operate as efficiently as possible. To the extent that the
20		projections used in the merger approval hearing were accurate, the shareholders of
21		the merged utilities would have already experienced a net benefit of \$118 million
22		from 1999-2003.9 At some point, it is necessary to recognize that shareholders

 ⁹ Kentucky PSC, Order, Case No. 97-0300, September 12, 1997, p. 9 refers to projections of joint shareholder/ratepayer net savings of \$236 million. \$118 million is half this amount.
 DIRECT TESTIMONY OF KEVIN C. HIGGINS-14

1		have had a reasonable opportunity to reap the benefits of the merger, and that it is
2		not necessary or desirable to inflate future rates in order to ensure additional
3		shareholder gain. The filing of this rate case is the appropriate time for such a
4		determination.
5	Q.	What is your recommendation to the Commission on this matter?
6	A.	I recommend that the Commission not implement Sections 3.1.2 and 3.2.2
7		of the 2003 Settlement Agreement, as adoption of those provisions in the context
8		of this general rate case would render the 2003 settlement completely one-sided.
9		Instead, the Commission should reject LG&E's "merger savings" proposal and
10		deny the \$19,427,401 adjustment to operating expenses proposed by the Company
11		in LG&E Reference Schedule 1.22.
12		
12 13	Valu	e Delivery Team Adjustment
	<u>Valua</u> Q.	<u>e Delivery Team Adjustment</u> What is LG&E's proposal with respect to the treatment of Value Delivery
13		
13 14		What is LG&E's proposal with respect to the treatment of Value Delivery
13 14 15	Q.	What is LG&E's proposal with respect to the treatment of Value Delivery Team Savings?
13 14 15 16	Q.	What is LG&E's proposal with respect to the treatment of Value Delivery Team Savings? LG&E is proposing that 60 percent of the savings from its Value Delivery
13 14 15 16 17	Q.	What is LG&E's proposal with respect to the treatment of Value Delivery Team Savings? LG&E is proposing that 60 percent of the savings from its Value Delivery Team ("VDT") activities should be retained by shareholders in base rates. To
13 14 15 16 17 18	Q.	What is LG&E's proposal with respect to the treatment of Value Delivery Team Savings? LG&E is proposing that 60 percent of the savings from its Value Delivery Team ("VDT") activities should be retained by shareholders in base rates. To achieve this result, LG&E proposes to adjust its expenses upward – and its net
13 14 15 16 17 18 19	Q.	What is LG&E's proposal with respect to the treatment of Value Delivery Team Savings? LG&E is proposing that 60 percent of the savings from its Value Delivery Team ("VDT") activities should be retained by shareholders in base rates. To achieve this result, LG&E proposes to adjust its expenses upward – and its net operating income downward (for regulatory purposes) – in the amount of \$5.6

¹⁰ Rives Exhibit 1, p. 2, line 23. DIRECT TESTIMONY OF KEVIN C. HIGGINS-15

1	A.	As explained in the pre-filed direct testimony of Valerie L. Scott, the
2		actions of the VDT have resulted in net cost savings, 40 percent of which have
3		been passed on to customers through the VDT surcredit. LG&E asserts that the
4		requested adjustment is necessary to reflect the shareholders' portion of the net
5		savings from the VDT activities. ¹¹
6	Q.	What is your understanding of the basis for the VDT surcredit currently in
7		rates?
8	A.	My understanding is that the VDT surcredit was adopted as part of a
9		Settlement Agreement that was approved by the Commission on December 3,
10		2001. ¹² That agreement provided that 40 percent of the net savings from a
11		workforce reduction was to be passed on to LG&E's customers through the VDT
12		surcredit. At the same time, the settlement allowed LG&E to retain 60 percent of
13		the net savings from the workforce reduction. The VDT surcredit was scheduled
14		to continue until March 2006.
15	Q.	What is your assessment of the Company's VDT proposal in the context of
16		the general rate case?
17	A.	The Company's proposal is not reasonable in the context of a general rate
18		case and should be rejected. By its nature, a general rate case establishes new
19		parameters for rates. Artificially inflating those rates in order to retain a reward to
20		shareholders for past efficiency improvements is not appropriate. Whatever the
21		merit of the VDT activities has been, it has not been enough to avoid the 11.34
22		percent increase being sought by the Company in this proceeding. A utility

¹¹ Pre-filed direct testimony of Valerie L. Scott, p. 8, line 3 – p. 9, line 3.

1		seeking a rate increase has the obligation to reduce unnecessary costs. It is neither
2		necessary, nor sound public policy, to carry forward the type of reward being
3		sought by LG&E.
4	Q.	What is your recommendation to the Commission on this matter?
5	A.	The Commission should reject LG&E's VDT proposal and deny the
6		\$5,640,000 adjustment to operating expenses proposed by the Company in LG&E
7		Reference Schedule 1.20.
8	Q.	What is your recommendation concerning continuation of the VDT surcredit
9		rider after new rates take effect pursuant to the general rate case?
10	A.	The VDT surcredit rider should be discontinued. Similar to the merger
11		surcredit discussed above, within the mechanics of the general rate filing, the
12		funding of the VDT surcredit causes LG&E's revenues to be lower by the amount
13		needed for surcredit funding. Lower revenues, in turn, results in a greater revenue
14		deficiency – dollar for dollar – and thus leads to a higher rate increase request. In
15		other words, every dollar of the VDT surcredit is funded by a dollar of rate
16		increase. Once a general rate filing is implemented, the VDT surcredit mechanism
17		becomes superfluous.
18		The VDT surcredit rider can be discontinued so long as LG&E's revenues
19		are adjusted upward by the amount of the discontinued rider in the determination
20		of the Company's revenue requirement. Note that this adjustment is distinct from
21		my recommendation to deny the adjustment to operating expenses, discussed
22		above. Even though eliminating the VDT surcredit rider would result in an

¹² Kentucky PSC, Order, Case Nos. 2001-054, 2001-055, 2001-140, 2001-141, 2001-169, December 3, 2001. DIRECT TESTIMONY OF KEVIN C. HIGGINS-17

1		additional reduction in LG&E's proposed base rates of \$5.6 million (beyond the
2		operating expense denial), this change would be revenue-neutral to both the
3		Company and customers, because there would also be an offsetting elimination of
4		the credit. Because elimination of the VDT surcredit rider would be revenue-
5		neutral, this change is not included in my analysis of rate spread, discussed below.
6	Q.	Do you have an alternative recommendation in the event your primary
7		recommendation to reject the Company's adjustment is not accepted by the
8		Commission?
9	A.	Yes. In the event that the Commission does not adopt my primary
10		recommendation, any VDT benefit that the Company is allowed to retain in rates
11		should be in the form of a rider that will expire after March 2006, the scheduled
12		end-date of the VDT surcredit. This approach is preferable to allowing base rates
13		to remain \$5.6 million higher than necessary for an indeterminate period, which is
14		what would occur under the Company's proposal.
15		
16	<u>Rate</u>	spread
17	Q.	What is LG&E's rate spread proposal?
18	A.	LG&E is proposing an overall increase in base rates of 11.34 percent. The
19		Residential class would see a rate increase of 12.32 percent, whereas most other
20		classes would see an increase in the range of 8.5 to 12.5 percent.
21	Q.	Do you believe the Company's rate spread proposal is reasonable?
22	A.	No. LG&E's cost-of-service analysis indicates that several of the
23		Company's rate classes deserve a rate decrease – even if the Company was

1	awarded the full	\$64 million rate	increase it is requesting ir	n this proceeding. Other
2	classes warrant	only a small incre	ease, in the range of 2 to 4	percent. In contrast,
3	LG&E's cost-of	-service analysis	indicates that the Residen	tial class would require
4	a 28.9 percent ir	ncrease in rates to	achieve the Company's r	equested return.
5	However, LG&	E has limited the	Residential increase to be	no more than one
6	percent more the	an the overall ave	rage return. This decision	by the Company
7	forces the other	customer classes	to pay a substantial subsid	đy. The Company also
8	builds in a subst	antial subsidy to	the Lighting class. The ex	tent of the subsidies
9	can be seen in T	able KCH-1 belo	w, which was derived from	m Higgins Exhibit 2.
10			ble KCH-1	
11	LG&E Cost-	of-Service Resul	Its and LG&E Proposed	Rate Spread
12		(Assumes \$63.6	million revenue increase)	-
13				
14	F	Rate Change	Rate Change	Subsidy payment
15	Customer class t	o reach COS	<u> </u>	proposed by LG&E
16				
17	Residential	29.38%	12.32%	(17.05)%
18	General Service	(9.04)%	11.04%	20.08%
19	Large Commercial	(1.50)%	11.14%	12.64%
20	Large Commercial TOI		8.57%	6.88%
20	Industrial Power LP			
		(5.86)%	12.51%	18.37%
22	Industrial Power TOD	10.53%	9.33%	(1.20)%
23	Special Contracts	4.32%	11.08%	6.76%
24	Lighting	21.64%	12.19%	(9.45)%
25	TOTAL	11.0407	11.0.407	
26	TOTAL	11.34%	11.34%	
27 28				
29	Q. What is your as	ssessment of the	subsidies proposed by L	G&E?
30	A. The subs	idies proposed by	y LG&E are excessive. W	hile the principle of
31	gradualism can l	be employed to m	nitigate the rate shock to c	lasses whose rates are
32	well below cost-	of-service, LG&	E's proposed restriction to	limit the residential
33	increase to no m DIRECT TESTIMONY OF KEVIN C. HIGGINS-19	ore than 1 percer	t of the system average is	unjustifiably narrow –

1		particularly in light of the extreme divergence from cost-of-service apparent in
2		current rates. Moreover, LG&E makes no attempt to move the Lighting class
3		toward cost-of-service rates at all. This latter class, which cost-of-service analysis
4		indicates would warrant a 22 percent increase, receives virtually the same increase
5		as a range of business classes that are deserving of rate decreases or small
6		increases. Reflecting cost of service in rates is important from both an efficiency
7		and equity perspective. In light of LG&E's own cost-of-service results, the
8		Company's rate spread is fundamentally unreasonable.
9	Q.	Why is it important from an efficiency standpoint to reflect cost of service in
10		rates?
11	А.	It is important to send price signals to customers that accurately reflect the
12		costs to serve those customers. A subsidized class does not receive the right price
13		signal to conserve as much as is necessary. Similarly, payment of subsidies can
14		inefficiently influence behavior by distorting location and investment decisions.
15		These are fundamental principles in economics.
16	Q.	Why is it important from an equity standpoint to reflect cost of service in
17		rates?
18	Α.	Fairness is a fundamental principle in regulation. An important
19		manifestation of fairness is to assign costs to those customers who cause them to
20		the fullest extent practicable.
21	Q.	What alternative rate spread do you propose?
22	A.	I offer two alternatives to the Company's approach, either of which is
23		better tied to cost-of-service results than the Company's proposal. My preferred

1	alternative, Alternative 1, is to move each rate schedule 50 percent of the way				
2	between an equal percentage increase and cost-of-service rates. Such an approach				
3	adheres to the principal of gradualism and mitigates the impact on the Residential				
4	class, while still r	class, while still reflecting cost-of-service considerations.			
5	Q. Have you calcula	ated the impact of	spreading rates in	a manner that moves	
6	each rate schedu	le 50 percent of th	ie way to cost-of-se	rvice?	
7	A. Yes, I hav	e. This calculation	is performed in Hig	gins Exhibit 3, page 1,	
8	which also incorp	orates my recomm	ended revenue requi	rement adjustments,	
9	discussed above.	These rate spread r	esults are summarize	ed in Table KCH-2,	
10	below.				
11 12	Recommend		KCH-2 // Kroger Revenue	Adjustments	
13		-	ward Cost-of-Servi	•	
14			lion revenue increase)		
15					
16	Customer class	Equal %	COS	50% to COS	
16 17		-			
16 17 18	Residential	6.87%	23.77%	15.32%	
16 17 18 19	Residential General Service	6.87% 6.87%	23.77% (12.87)%	15.32% (3.00)%	
16 17 18 19 20	Residential General Service Large Commercial	6.87% 6.87% 6.87%	23.77% (12.87)% (5.15)%	15.32% (3.00)% 0.86%	
16 17 18 19 20 21	Residential General Service Large Commercial Large Commercial TOD	6.87% 6.87% 6.87% 6.87%	23.77% (12.87)% (5.15)% (1.95)%	15.32% (3.00)% 0.86% 2.46%	
16 17 18 19 20 21 22	Residential General Service Large Commercial Large Commercial TOD Industrial Power LP	6.87% 6.87% 6.87% 6.87% 6.87%	23.77% (12.87)% (5.15)% (1.95)% (9.28)%	15.32% (3.00)% 0.86% 2.46% (1.21)%	
16 17 18 19 20 21	Residential General Service Large Commercial Large Commercial TOD Industrial Power LP Industrial Power TOD	6.87% 6.87% 6.87% 6.87%	23.77% (12.87)% (5.15)% (1.95)%	15.32% (3.00)% 0.86% 2.46%	
16 17 18 19 20 21 22	Residential General Service Large Commercial Large Commercial TOD Industrial Power LP	6.87% 6.87% 6.87% 6.87% 6.87%	23.77% (12.87)% (5.15)% (1.95)% (9.28)%	15.32% (3.00)% 0.86% 2.46% (1.21)%	
16 17 18 19 20 21 22 23	Residential General Service Large Commercial Large Commercial TOD Industrial Power LP Industrial Power TOD	6.87% 6.87% 6.87% 6.87% 6.87% 6.87%	23.77% (12.87)% (5.15)% (1.95)% (9.28)% 6.42%	15.32% (3.00)% 0.86% 2.46% (1.21)% 6.65%	
16 17 18 19 20 21 22 23 24	Residential General Service Large Commercial Large Commercial TOD Industrial Power LP Industrial Power TOD Special Contracts	6.87% 6.87% 6.87% 6.87% 6.87% 6.87% 6.87%	23.77% (12.87)% (5.15)% (1.95)% (9.28)% 6.42% 0.56%	15.32% (3.00)% 0.86% 2.46% (1.21)% 6.65% 3.71%	
16 17 18 19 20 21 22 23 24 25	Residential General Service Large Commercial Large Commercial TOD Industrial Power LP Industrial Power TOD Special Contracts Lighting	6.87% 6.87% 6.87% 6.87% 6.87% 6.87% 6.87% 6.87%	23.77% (12.87)% (5.15)% (1.95)% (9.28)% 6.42% 0.56%	15.32% (3.00)% 0.86% 2.46% (1.21)% 6.65% 3.71% 12.67%	
16 17 18 19 20 21 22 23 24 25 26	Residential General Service Large Commercial Large Commercial TOD Industrial Power LP Industrial Power TOD Special Contracts Lighting Q. How do you trea	6.87% 6.87% 6.87% 6.87% 6.87% 6.87% 6.87% 6.87% 6.87%	23.77% (12.87)% (5.15)% (1.95)% (9.28)% 6.42% 0.56% 18.48%	15.32% (3.00)% 0.86% 2.46% (1.21)% 6.65% 3.71% 12.67%	
16 17 18 19 20 21 22 23 24 25 26 27	Residential General Service Large Commercial Large Commercial TOD Industrial Power LP Industrial Power TOD Special Contracts LightingQ.How do you treaA.In Exhibit	6.87% 6.87% 6.87% 6.87% 6.87% 6.87% 6.87% 6.87% t rate schedules th Higgins 3, I alloca	23.77% (12.87)% (5.15)% (1.95)% (9.28)% 6.42% 0.56% 18.48% te costs to all current	15.32% (3.00)% 0.86% 2.46% (1.21)% 6.65% 3.71% 12.67% tinued?	

schedule(s) to which the customers will migrate, as part of any compliance filing
 required by the Commission.

3 **Q**. What is your second alternative rate spread? 4 Α. Alternative 2 is to keep rates constant for any rate schedule that is deserving of a decrease, and to recover any remaining revenue deficiency from 5 those rate schedules that are below cost-of-service, in proportion to their 6 respective cost-of-service deficiencies. This approach would provide a subsidy 7 from those rate schedules that deserved a rate decrease, but would not make them 8 9 worse off than they are today. Those rate schedules that are below cost-of-service 10 would move in the direction of cost-of-service rates. 11 0. Have you calculated the impact of spreading rates in accordance with your 12 second alternative? 13 Α. Yes, I have. This calculation is performed in Higgins Exhibit 3, page 2, which also incorporates my recommended revenue requirement adjustments, 14 15 discussed above. The rate spread results are summarized in Table KCH-3, below. 16 Table KCH-3 17 Alternative 2 Rate Spread w/ Kroger Revenue Adjustments No Rate Change for Rate Schedules w/ Rates above COS 18 19 (Assumes \$38.6 million revenue increase) 20 21 22 Customer class COS Alternative 2 23 24 Residential 23.77% 15.86% 25 General Service (12.87)% 0.00% 26 Large Commercial (5.15)% 0.00% 27 Large Commercial TOD (1.95)% 0.00% Industrial Power LP 28 (9.28)% 0.00% Industrial Power TOD 29 6.42% 4.37% 30 Special Contracts 0.56% 0.37% Lighting 31 18.48% 12.81% 32

1	Q.	How do you treat rate schedules that might be discontinued?
2	A.	As I indicated above, I allocate costs to all current rate schedules in
3		Exhibit Higgins 3. If a rate schedule is discontinued after the rate case is decided,
4		the costs and revenues associated with the discontinued rate schedule should be
5		allocated to the rate schedule(s) to which the customers will migrate, as part of
6		any compliance filing required by the Commission.
7		
8	Rate	<u>e design – Large Commercial Service</u>
9	Q.	What is LG&E's rate design proposal for the Large Commercial Service rate
10		schedule?
11	А.	The Large Commercial rate schedule is generally applicable to customers
12		with monthly demands less than 2000 kw. As explained in the direct testimony of
13		LG&E witness William Steven Seelye, LG&E is modifying the rate design of this
14		rate schedule by adding a customer charge, raising the demand charge, and
15		lowering the energy charge. ¹³
16	Q.	What is your assessment of LG&E's proposed rate design changes?
17	A.	While I disagree with the <i>level</i> of charges that LG&E proposes for the
18		Large Commercial rate, I fully support the rate design changes that LG&E has
19		proposed. LG&E recognizes that the current rate design penalizes high-load factor
20		commercial customers for their more constant level of usage, rather than rewards
21		them. By raising the demand charge and lowering the energy charge, the
22		Company's unit charges would more closely correspond to the results of its cost-
23		of-service analysis, with respect to cost classification.

1	Q.	How should LG&E's improved rate design be applied to the lower revenue
2		requirements for Large Commercial Service that you are recommending?
3	A.	To reconcile the lower revenue requirement that I am recommending for
4		the Large Commercial rate schedule with my support for LG&E's rate design
5		changes, I am recommending that any reduction to the Company's proposed
6		revenue requirement for the Large Commercial class that is ordered by the
7		Commission be applied on an equal percentage basis to the unit charges as
8		proposed by LG&E in this proceeding. For example, if instead of the 11.14
9		percent increase that the Company is requesting, the Commission ordered zero
10		increase for Large Commercial service, then the new rate should be designed by
11		using the Company's initially-proposed unit charges and reducing each by 11.14
12		percent. ¹⁴ This would accomplish the rate design change proposed by the
13		Company, while adjusting the revenue requirement to the Commission-
14		determined level.
15		
16	<u>Time</u>	-of-use rates
17	Q.	What is your assessment of the Company's approach to time-of-use rates?
18	A.	Currently, LG&E offers voluntary time-of-use rates for customers with
19		monthly demands between 150 kw and 2000 kw, and requires time-of-use rates
20		for customers with loads that are 2000 kw or greater. However, the Company now
21		proposes to eliminate any time-of-use options for customers with loads less than
22		2000 kw. This is a step backward.

¹³ Pre-filed direct testimony of William Steven Seelye, p. 59, line 1 - p. 61, line 2.

1		In my opinion, at a minimum, it would be beneficial for time-of-use rates
2		to be available to Large Commercial customers with monthly demand less than
3		2000 kw, so that these customers could better respond to price signals, as well as
4		pay rates that are more closely aligned with the costs they cause.
5	Q.	Why is it important that improved price signals be available to Large
6		Commercial customers with demands less than 2000 kw?
7	A.	Energy costs vary across the hours of the day, with the most expensive
8		hours typically occurring from the late morning to early evening. Designing the
9		energy price to end-use customers to reflect these variations in energy costs sends
10		the proper signal to customers regarding the relative costs to operate the system
11		during peak and off-peak hours. Customers would then use this pricing
12		information to alter their discretionary patterns of usage, increasing efficiency and
13		lowering the overall cost of energy to the system. This price responsiveness is
14		especially important as LG&E adds gas-fired combustion-turbines to its system.
15		These facilities are generally needed to meet peaking needs and have significantly
16		higher energy costs than base-load coal units.
17		Large Commercial customers with demands less than 2000 kw represent
18		nearly 20 percent of retail energy consumption on the LG&E system. ¹⁵
19		Commercial customers of this size are capable of responding to time-of-use rates.
20		The failure to offer time-of-use rates to them deprives the system of the benefit of
21		a more efficient load pattern that would result from their response to appropriate

 ¹⁴ The proposed customer charge could be rounded to the nearest whole dollar, with the difference incorporated into the other charges.
 ¹⁵ Derived from Seelye Exhibit 27, p. 1.
 DIRECT TESTIMONY OF

KEVIN C. HIGGINS-25

1		price signals. It also deprives this class of customers of the opportunity to save
2		money by virtue of price-responsive behavior.
3	Q.	Are there other reasons besides economic efficiency to make time-of-use rates
4		available to Large Commercial customers with monthly demands below 2000
5		kw?
6	A.	Yes. Basic fairness dictates that customers whose patterns of energy
7		consumption are less expensive to serve than the average in their class should see
8		that lower cost reflected in their bills.
9	Q.	Are time-of-use rates widely available for customers of comparable size to
10		Large Commercial customers in other states in the region?
11	A.	Yes. Time-of-use rates are widely available throughout the region for
12		customers of comparable size. Table KCH-4, shown on the next page, is a partial
13		list of other utilities in the region that offer time-of-use rates to customers with
14		billing demands of 2000 kw of less. Each of the utilities listed offers a time-of-use
15		rate that differentiates between on-peak and off-peak energy, which is the type of
16		rate design I am recommending here.
17	Q.	How should a time-of-use rate for Large Commercial customers with
18		monthly demands below 2000 kw be implemented?
19	A.	I recognize that with such a large class it is impractical to mandate an
20		immediate change to time-of-use rates. Therefore, time-of-use rates for Large
21		Commercial customers with monthly demands between 150 kw and 2000 kw
22		should be made available for the upcoming rate-effective period on a voluntary
23		basis. At a minimum, such a rate should be offered as part of a pilot program,

1	1 which could be used to gather information on the price responsiveness and										
2		benefits derivable from exp	panding time-of-use rates more	broadly to Large							
3		Commercial customers.									
4			Table KCH-4								
5			me-of-Use Rates for Custome	ers with							
6		Billing	Demands of 2000 kw or less								
7		State	T 14:124	(T)							
8 9		State	Utility	Туре							
9 10		Georgia	Georgia Power	Ontional							
11		Georgia	Savannah Electric	Optional							
12		Georgia	Savaman Electric	Optional							
12		Illinois	Commonwealth Edison	Mandatany > 500 law							
13		Illinois	Commonwealth Edison	Mandatory $> 500 \text{ kw}$							
15	Illinois Illinois Power Mandatory										
16		minolo		ivialidatol y							
17	Indiana PSI Energy Optional										
18											
19	Missouri Union Electric Optional										
20	Missouri Onion Elecure Optional										
21	North Carolina Duke Power Optional										
22				opnom							
23		Ohio	Columbus Southern	Optional							
24	OhioColumbus SouthernOptionalOhioOhio PowerOptional										
25				1							
26		South Carolina	Duke Power	Optional							
27		South Carolina	South Carolina E & G	Optional/Pilot							
28				-							
29		Virginia	Virginia Electric & Power	Optional							
30											
31	0	The second se	1 / 10								
32	Q.	How should such a rate be	e designed?								
33	A.	I recommend adopti	ng a voluntary time-of-use opti	ion for Large							
34		Commercial customers with	n monthly demands between 15	0 kw and 2000 kw that							
35		offers peak and off-peak en	ergy prices that properly reflec	t time-of-use cost							
36		differences. The proper star	ting point would be to design t	he energy pricing to be							
37		revenue-neutral for a custor	ner with a class average load p	rofile, while reflecting							
38		the higher fuel costs incurre T TESTIMONY OF I C. HIGGINS-27	d for the peak period and lowe	r fuel costs for the off-							

.

1		peak period. I do not believe it is necessary to add the complexity of the two-
2		tiered demand charge that the Company uses in its LC-TOD rate.
3	Q.	Instead of adopting a voluntary time-of-use rate now, should this issue
4		simply be studied and adopted at some later time?
5	A.	No. A general rate case is the best time to adopt a new time-of-use rate, as
6		it allows for the full consideration of the revenue effects that accompany the
7		creation of a new rate schedule. In addition, LG&E is facing increased gas price
8		risk associated with the addition of 366 megawatts of gas-fired generation, with
9		the attendant higher energy costs. ¹⁶ It is important to take appropriate rate design
10		steps now, rather than delaying.
11	Q.	What recommendation do you make to the Commission on the issue?
12	А.	The Commission should order LG&E, as part of any compliance filing in
13		this case, to file a voluntary time-of-use rate for Large Commercial customers
14		with monthly demands between 150 kw and 2000 kw that provides peak and off-
15		peak energy prices that properly reflect time-of-use cost differences, using a
16		design that is revenue-neutral for a customer with load profile that is comparable
17		to the class average.
18	Q.	Does this conclude your direct testimony?
19	A.	Yes, it does.

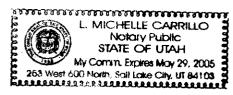
¹⁶ The addition of new gas-fired generation is noted in the pre-filed direct testimony of Victor A. Saffieri, p. 8, lines 15-16.
 DIRECT TESTIMONY OF
 KEVIN C. HIGGINS-28

VERIFICATION

STATE OF UTAH) COUNTY OF Sett Lake) SS

The undersigned, Kevin C. Higgins, being duly sworn, states that he is a Principal in the firm of Energy Strategies, LLC, that he has personal knowledge of the matters set forth in the foregoing testimony, and that the answers contained therein are true and correct to the best of his information, knowledge and belief.

Subscribed and sworn to before me, a Notary Public in and for the aforesaid County and State, this the 12^{-1} day of March, 2004.



My Commission Expires:

MOTARY FUBLIC

Higgins Exhibit 1 Page 1 of 11

KEVIN C. HIGGINS Principal, Energy Strategies, L.L.C. 39 Market St., Suite 200, Salt Lake City, UT 84101 (801) 355-4365

Vitae

PROFESSIONAL EXPERIENCE

<u>Principal, Energy Strategies, L.L.C., Salt Lake City, Utah, January 2000 to present</u>. Responsible for energy-related economic and policy analysis, regulatory intervention, and strategic negotiation on behalf of industrial, commercial, and public sector interests. Previously <u>Senior</u> <u>Associate</u>, February 1995 to December 1999.

Adjunct Instructor in Economics, Westminster College, Salt Lake City, Utah, September 1981 to May 1982; September 1987 to May 1995. Taught in the economics and M.B.A. programs. Awarded Adjunct Professor of the Year, Gore School of Business, 1990-91.

<u>Chief of Staff to the Chairman</u>, Salt Lake County Board of Commissioners, Salt Lake City, Utah, January 1991 to January 1995. Senior executive responsibility for all matters of county government, including formulation and execution of public policy, delivery of approximately 140 government services, budget adoption and fiscal management (over \$300 million), strategic planning, coordination with elected officials, and communication with consultants and media.

<u>Assistant Director</u>, Utah Energy Office, Utah Department of Natural Resources, Salt Lake City, Utah, August 1985 to January 1991. Directed the agency's resource development section, which provided energy policy analysis to the Governor, implemented state energy development policy, coordinated state energy data collection and dissemination, and managed energy technology demonstration programs. Position responsibilities included policy formulation and implementation, design and administration of energy technology demonstration programs, strategic management of the agency's interventions before the Utah Public Service Commission, budget preparation, and staff development. Supervised a staff of economists, engineers, and policy analysts, and served as lead economist on selected projects.

<u>Utility Economist</u>, Utah Energy Office, January 1985 to August 1985. Provided policy and economic analysis pertaining to energy conservation and resource development, with an emphasis on utility issues. Testified before the state Public Service Commission as an expert witness in cases related to the above.

<u>Acting Assistant Director</u>, Utah Energy Office, June 1984 to January 1985. Same responsibilities as Assistant Director identified above.

<u>Research Economist</u>, Utah Energy Office, October 1983 to June 1984. Provided economic analysis pertaining to renewable energy resource development and utility issues. Experience includes preparation of testimony, development of strategy, and appearance as an expert witness for the Energy Office before the Utah PSC.

<u>Operations Research Assistant</u>, Corporate Modeling and Operations Research Department, Utah Power and Light Company, Salt Lake City, Utah, May 1983 to September 1983. Primary area of responsibility: designing and conducting energy load forecasts.

<u>Instructor in Economics</u>, University of Utah, Salt Lake City, Utah, January 1982 to April 1983. Taught intermediate microeconomics, principles of macroeconomics, and economics as a social science.

<u>Teacher</u>, Vernon-Verona-Sherrill School District, Verona, New York, September 1976 to June 1978.

EDUCATION

Ph.D. Candidate, Economics, University of Utah (coursework and field exams completed, 1981).

Fields of Specialization: Public Finance, Urban and Regional Economics, Economic Development, International Economics, History of Economic Doctrines.

Bachelor of Science, Education, State University of New York at Plattsburgh, 1976 (cum laude).

Danish International Studies Program, University of Copenhagen, 1975.

SCHOLARSHIPS AND FELLOWSHIPS

University Research Fellow, University of Utah, Salt Lake City, Utah 1982 to 1983. Research Fellow, Institute of Human Resources Management, University of Utah, 1980 to 1982. Teaching Fellow, Economics Department, University of Utah, 1978 to 1980. New York State Regents Scholar, 1972 to 1976.

EXPERT TESTIMONY

"In the Matter of the Application of Idaho Power Company for Authority to Increase Its Interim and Base Rates and Charges for Electric Service," **Idaho** Public Utilities Commission, Case No. IPC-E-03-13. Direct testimony submitted February 20, 2004. Rebuttal testimony submitted March 19, 2004.

"In the Matter of the Applications of the Ohio Edison Company, the Cleveland Electric Illuminating Company and the Toledo Edison Company for Authority to Continue and Modify Certain Regulatory Accounting Practices and Procedures, for Tariff Approvals and to Establish Rates and Other Charges, Including Regulatory Transition Charges Following the Market Development Period," Public Utilities Commission of **Ohio**, Case No. 03-2144-EL-ATA. Direct testimony submitted February 6, 2004. Cross examined February 18, 2004.

"In the Matter of the Application of Arizona Public Service Company for a Hearing to Determine the Fair Value of the Utility Property of the Company for Ratemaking Purposes, To Fix a Just and Reasonable Rate of Return Thereon, To Approve Rate Schedules Designed to Develop Such Return, and For Approval of Purchased Power Contract," **Arizona** Corporation Commission, Docket No. E-01345A-03-0437. Direct testimony submitted February 3, 2004.

"In the Matter of Application of the Detroit Edison Company to Increase Rates, Amend Its Rate Schedules Governing the Distribution and Supply of Electric Energy, etc.," **Michigan** Public Service Commission, Case No. U-13808. Direct testimony submitted December 12, 2003 (interim request) and March 5, 2004 (general rate case).

"In the Matter of PacifiCorp's Filing of Revised Tariff Schedules," Public Utility Commission of **Oregon**, Docket No. UE-147. Joint testimony regarding stipulation submitted August 21, 2003.

"Petition of PSI Energy, Inc. for Authority to Increase Its Rates and Charges for Electric Service, etc.," **Indiana** Utility Regulatory Commission, Cause No. 42359. Direct testimony submitted August 19, 2003. Cross examined November 5, 2003.

"In the Matter of the Application of Consumers Energy Company for a Financing Order Approving the Securitization of Certain of its Qualified Cost," **Michigan** Public Service Commission, Case No. U-13715. Direct testimony submitted April 8, 2003. Cross examined April 23, 2003.

"In the Matter of the Application of Arizona Public Service Company for Approval of Adjustment Mechanisms," Arizona Corporation Commission, Docket No. E-01345A-02-0403. Direct testimony submitted February 13, 2003. Surrebuttal testimony submitted March 20, 2003. Cross examined April 8, 2003.

"Re: The Investigation and Suspension of Tariff Sheets Filed by Public Service Company of Colorado, Advice Letter No. 1373 – Electric, Advice Letter No. 593 – Gas, Advice Letter No. 80 – Steam," Colorado Public Utilities Commission, Docket No. 02S-315 EG. Direct testimony submitted November 22, 2002. Cross-answer testimony submitted January 24, 2003.

"In the Matter of the Application of The Detroit Edison Company to Implement the Commission's Stranded Cost Recovery Procedure and for Approval of Net Stranded Cost Recovery Charges," **Michigan** Public Service Commission, Case No. U-13350. Direct testimony submitted November 12, 2002.

"Application of South Carolina Electric & Gas Company: Adjustments in the Company's Electric Rate Schedules and Tariffs," Public Service Commission of **South Carolina**, Docket No. 2002-223-E. Direct testimony submitted November 8, 2002. Surrebuttal testimony submitted November 18, 2002. Cross examined November 21, 2002.

"In the Matter of the Application of Questar Gas Company for a General Increase in Rates and Charges," Utah Public Service Commission, Docket No. 02-057-02. Direct testimony submitted August 30, 2002. Rebuttal testimony submitted October 4, 2002.

"The Kroger Co. v. Dynegy Power Marketing, Inc.," Federal Energy Regulatory Commission, EL02-119-000. Confidential affidavit filed August 13, 2002.

"In the matter of the application of Consumers Energy Company for determination of net stranded costs and for approval of net stranded cost recovery charges," **Michigan** Public Service Commission, Case No. U-13380. Direct testimony submitted August 9, 2002. Rebuttal testimony submitted August 30, 2002. Cross examined September 10, 2002.

"In the Matter of the Application of Public Service Company of Colorado for an Order to Revise Its Incentive Cost Adjustment," **Colorado** Public Utilities Commission, Docket 02A-158E. Direct testimony submitted April 18, 2002.

"In the Matter of the Generic Proceedings Concerning Electric Restructuring Issues," Arizona Corporation Commission, Docket No. E-00000A-02-0051, "In the Matter of Arizona Public Service Company's Request for Variance of Certain Requirements of A.A.C. R14-2-1606," Docket No. E-01345A-01-0822, "In the Matter of the Generic Proceeding Concerning the Arizona Independent Scheduling Administrator," Docket No. E-00000A-01-0630, "In the Matter of Tucson Electric Power Company's Application for a Variance of Certain Electric Competition Rules Compliance Dates," Docket No. E-01933A-02-0069, "In the Matter of the Application of Tucson Electric Power Company for Approval of its Stranded Cost Recovery," Docket No. E-01933A-98-0471. Direct testimony submitted March 29, 2002 (APS variance request); May 29,

2002 (Track A proceeding/market power issues); and July 28, 2003 (Arizona ISA). Rebuttal testimony submitted August 29, 2003 (Arizona ISA). Cross examined June 21, 2002 (Track A proceeding) and September 12, 2003 (Arizona ISA).

"In the Matter of Savannah Electric & Power Company's 2001 Rate Case," Georgia Public Service Commission, Docket No. 14618-U. Direct testimony submitted March 15, 2002. Cross examined March 28, 2002.

"Nevada Power Company's 2001 Deferred Energy Case," Public Utilities Commission of Nevada, PUCN 01-11029. Direct testimony submitted February 7, 2002. Cross examined February 21, 2002.

"2001 Puget Sound Energy Interim Rate Case," Washington Utilities and Transportation Commission, Docket Nos. UE-011570 and UE-011571. Direct testimony submitted January 30, 2002. Cross examined February 20, 2002.

"In the Matter of Georgia Power Company's 2001 Rate Case," Georgia Public Service Commission, Docket No. 1400-U. Direct testimony submitted October 12, 2001. Cross examined October 24, 2001.

"In the Matter of the Application of PacifiCorp for Approval of Its Proposed Electric Rate Schedules and Electric Service Regulations," **Utah** Public Service Commission, Docket No. 01-35-01. Direct testimony submitted June 15, 2001. Rebuttal testimony submitted August 31, 2001.

"In the Matter of Portland General Electric Company's Proposal to Restructure and Reprice Its Services in Accordance with the Provisions of SB 1149," Public Utility Commission of **Oregon**, Docket No. UE-115. Direct testimony submitted February 20, 2001. Rebuttal testimony submitted May 4, 2001. Joint testimony regarding stipulation submitted July 27, 2001.

"In the Matter of the Application of APS Energy Services, Inc. for Declaratory Order or Waiver of the Electric Competition Rules," Arizona Corporation Commission, Docket No.E-01933A-00-0486. Direct testimony submitted July 24, 2000.

"In the Matter of the Application of Questar Gas Company for an Increase in Rates and Charges," **Utah** Public Service Commission, Docket No. 99-057-20. Direct testimony submitted April 19, 2000. Rebuttal testimony submitted May 24, 2000. Surrebuttal testimony submitted May 31, 2000. Cross examined June 6 & 8, 2000.

"In the Matter of the Application of Columbus Southern Power Company for Approval of Electric Transition Plan and Application for Receipt of Transition Revenues," Public Utility Commission of **Ohio**, Case No. 99-1729-EL-ETP; "In the Matter of the Application of Ohio Power Company for Approval of Electric Transition Plan and Application for Receipt of Transition Revenues," Public Utility Commission of **Ohio**, Case No. 99-1730-EL-ETP. Direct testimony prepared, but not submitted pursuant to settlement agreement effected May 2, 2000.

"In the Matter of the Application of FirstEnergy Corp. on Behalf of Ohio Edison Company, The Cleveland Electric Illuminating Company, and the Toledo Edison Company for Approval of Their Transition Plans and for Authorization to Collect Transition Revenues," Public Utility Commission of **Ohio**, Case No. 99-1212-EL-ETP. Direct testimony prepared, but not submitted pursuant to settlement agreement effected April 11, 2000.

"2000 Pricing Process," Salt River Project Board of Directors, oral comments provided March 6, 2000 and April 10, 2000.

"Tucson Electric Power Company vs. Cyprus Sierrita Corporation," Arizona Corporation Commission, Docket No. E-000001-99-0243. Direct testimony submitted October 25, 1999. Cross examined November 4, 1999.

"Application of Hildale City and Intermountain Municipal Gas Association for an Order Granting Access for Transportation of Interstate Natural Gas over the Pipelines of Questar Gas Company for Hildale, Utah," Utah Public Service Commission, Docket No. 98-057-01. Rebuttal testimony submitted August 30, 1999.

"In the Matter of the Application by Arizona Electric Power Cooperative, Inc. for Approval of Its Filing as to Regulatory Assets and Transition Revenues," **Arizona** Corporation Commission, Docket No. E-01773A-98-0470. Direct testimony submitted July 30, 1999. Cross examined February 28, 2000.

"In the Matter of the Application of Tucson Electric Power Company for Approval of its Plan for Stranded Cost Recovery," **Arizona** Corporation Commission, Docket No. E-01933A-98-0471; "In the Matter of the Filing of Tucson Electric Power Company of Unbundled Tariffs Pursuant to A.A.C. R14-2-1601 et seq.," Docket No. E-01933A-97-0772; "In the Matter of the Competition in the Provision of Electric Service Throughout the State of Arizona," Docket No. RE-00000C-94-0165. Direct testimony submitted June 30, 1999. Rebuttal testimony submitted August 6, 1999. Cross examined August 11-13, 1999.

"In the Matter of the Application of Arizona Public Service Company for Approval of its Plan for Stranded Cost Recovery," **Arizona** Corporation Commission, Docket No. E-01345A-98-0473; "In the Matter of the Filing of Arizona Public Service Company of Unbundled Tariffs Pursuant to A.A.C. R14-2-1601 et seq.," Docket No. E-01345A-97-0773; "In the Matter of the Competition in the Provision of Electric Service Throughout the State of Arizona," Docket No. RE-00000C-94-0165. Direct testimony submitted June 4, 1999. Rebuttal testimony submitted July 12, 1999. Cross examined July 14, 1999.

"In the Matter of the Application of Tucson Electric Power Company for Approval of its Plan for Stranded Cost Recovery," Arizona Corporation Commission, Docket No. E-01933A-98-0471; "In the Matter of the Filing of Tucson Electric Power Company of Unbundled Tariffs Pursuant to A.A.C. R14-2-1601 et seq.," Docket No. E-01933A-97-0772; "In the Matter of the Application of Arizona Public Service Company for Approval of its Plan for Stranded Cost Recovery," Docket No. E-01345A-98-0473; "In the Matter of the Filing of Arizona Public Service Company of Unbundled Tariffs Pursuant to A.A.C. R14-2-1601 et seq.," Docket No. E-01345A-97-0773; "In the Matter of the Competition in the Provision of Electric Service Throughout the State of Arizona," Docket No. RE-00000C-94-0165. Direct testimony submitted November 30, 1998.

"Hearings on Pricing," Salt River Project Board of Directors, written and oral comments provided November 9, 1998.

"Hearings on Customer Choice," Salt River Project Board of Directors, written and oral comments provided June 22, 1998; June 29, 1998; July 9, 1998; August 7, 1998; and August 14, 1998.

"In the Matter of the Competition in the Provision of Electric Service Throughout the State of Arizona," Arizona Corporation Commission, Docket No. U-0000-94-165. Direct and rebuttal testimony filed January 21, 1998. Second rebuttal testimony filed February 4, 1998. Cross examined February 25, 1998.

"In the Matter of Consolidated Edison Company of New York, Inc.'s Plans for (1) Electric Rate/Restructuring Pursuant to Opinion No. 96-12; and (2) the Formation of a Holding Company Pursuant to PSL, Sections 70, 108, and 110, and Certain Related Transactions," New York Public Service Commission, Case 96-E-0897. Direct testimony filed April 9, 1997. Cross examined May 5, 1997.

"In the Matter of the Petition of Sunnyside Cogeneration Associates for Enforcement of Contract Provisions," **Utah** Public Service Commission, Docket No. 96-2018-01. Direct testimony submitted July 8, 1996.

"Questar Pipeline Company," Federal Energy Regulatory Commission, Docket No. RP95-407. Direct testimony prepared, but withheld subject to settlement. Settlement approved July 1, 1996. "In the Matter of Arizona Public Service Company's Rate Reduction Agreement," Arizona Corporation Commission, Docket No. U-1345-95-491. Direct testimony prepared, but withheld consequent to issue resolution. Agreement approved April 18, 1996.

"In the Matter of the Application of PacifiCorp, dba Pacific Power & Light Company, for Approval of Revised Tariff Schedules and an Alternative Form of Regulation Plan," **Wyoming** Public Service Commission, Docket No. 2000-ER-95-99. Direct testimony submitted April 8, 1996.

"In the Matter of the Application of Mountain Fuel Supply Company for an Increase in Rates and Charges," Utah Public Service Commission, Case No. 95-057-02. Direct testimony submitted June 19, 1995. Rebuttal testimony submitted July 25, 1995. Surrebuttal testimony submitted August 7, 1995.

"In the Matter of the Investigation of the Reasonableness of the Rates and Tariffs of Mountain Fuel Supply Company," **Utah** Public Service Commission, Case No. 89-057-15. Direct testimony submitted July 1990. Surrebuttal testimony submitted August 1990.

"In the Matter of the Review of the Rates of Utah Power and Light Company pursuant to The Order in Case No. 87-035-27," Utah Public Service Commission, Case No. 89-035-10. Rebuttal testimony submitted November 15, 1989. Cross examined December 1, 1989 (rate schedule changes for state facilities).

"In the Matter of the Application of Utah Power & Light Company and PC/UP&L Merging Corp. (to be renamed PacifiCorp) for an Order Authorizing the Merger of Utah Power & Light Company and PacifiCorp into PC/UP&L Merging Corp. and Authorizing the Issuance of Securities, Adoption of Tariffs, and Transfer of Certificates of Public Convenience and Necessity and Authorities in Connection Therewith," Utah Public Service Commission, Case No. 87-035-27; Direct testimony submitted April 11, 1988. Cross examined May 12, 1988 (economic impact of UP&L merger with PacifiCorp).

"In the Matter of the Application of Mountain Fuel Supply Company for Approval of Interruptible Industrial Transportation Rates," **Utah** Public Service Commission, Case No. 86-057-07. Direct testimony submitted January 15, 1988. Cross examined March 30, 1988.

"In the Matter of the Application of Utah Power and Light Company for an Order Approving a Power Purchase Agreement," Utah Public Service Commission, Case No. 87-035-18. Oral testimony delivered July 8, 1987.

"Cogeneration: Small Power Production," Federal Energy Regulatory Commission, Docket No. RM87-12-000. Statement delivered March 27, 1987, on behalf of State of Utah, in San Francisco.

"In the Matter of the Investigation of Rates for Backup, Maintenance, Supplementary, and Standby Power for Utah Power and Light Company," Utah Public Service Commission, Case No. 86-035-13. Direct testimony submitted January 5, 1987. Case settled by stipulation approved August 1987.

"In the Matter of the Application of Sunnyside Cogeneration Associates for Approval of the Cogeneration Power Purchase Agreement," **Utah** Public Service Commission, Case No. 86-2018-01. Rebuttal testimony submitted July 16, 1986. Cross examined July 17, 1986.

"In the Matter of the Investigation of Demand-Side Alternatives to Capacity Expansion for Electric Utilities," Utah Public Service Commission, Case No. 84-999-20. Direct testimony submitted June 17, 1985. Rebuttal testimony submitted July 29, 1985. Cross examined August 19, 1985.

"In the Matter of the Implementation of Rules Governing Cogeneration and Small Power Production in Utah," **Utah** Public Service Commission, Case No. 80-999-06, pp. 1293-1318. Direct testimony submitted January 13, 1984 (avoided costs), May 9, 1986 (security for levelized contracts) and November 17, 1986 (avoided costs). Cross-examined February 29, 1984 (avoided costs), April 11, 1985 (standard form contracts), May 22-23, 1986 (security for levelized contracts) and December 16-17, 1986 (avoided costs).

OTHER RELATED ACTIVITY

Participant, Oregon Direct Access Task Force (UM 1081), May 2003 to present.

Participant, Michigan Stranded Cost Collaborative, March 2003 to present.

Member, Arizona Electric Competition Advisory Group, December 2002 to present.

Board of Directors, ex-officio, Desert STAR RTO, September 1999 to February 2002.

Advisory Committee, Desert STAR RTO, September 1999 to February 2002. Acting Chairman, October 2000 to February 2002.

Board of Directors, Arizona Independent Scheduling Administrator Association, October 1998 to present.

Acting Chairman, Operating Committee, Arizona Independent Scheduling Administrator Association, October 1998 to June 1999.

Member, Desert Star ISO Investigation Working Groups: Operations, Pricing, and Governance, April 1997 to present. Legal & Negotiating Committee, April 1999 to December 1999.

Participant, Independent System Operator and Spot Market Working Group, Arizona Corporation Commission, April 1997 to September 1997.

Participant, Unbundled Services and Standard Offer Working Group, Arizona Corporation Commission, April 1997 to October 1997.

Participant, Customer Selection Working Group, Arizona Corporation Commission, March 1997 to September 1997.

Member, Stranded Cost Working Group, Arizona Corporation Commission, March 1997 to September 1997.

Member, Electric System Reliability & Safety Working Group, Arizona Corporation Commission, November 1996 to September 1998.

Chairman, Salt Palace Renovation and Expansion Committee, Salt Lake County/State of Utah/Salt Lake City, multi-government entity responsible for implementation of planning, design, finance, and construction of an \$85 million renovation of the Salt Palace Convention Center, Salt Lake City, Utah, May 1991 to December 1994.

State of Utah Representative, Committee on Regional Electric Power Cooperation, a joint effort of the Western Interstate Energy Board and the Western Conference of Public Service Commissioners, January 1987 to December 1990.

Member, Utah Governor's Economic Coordinating Committee, January 1987 to December 1990.

Chairman, Standard Contract Task Force, established by Utah Public Service Commission to address contractual problems relating to qualifying facility sales under PURPA, March 1986 to December 1990.

Chairman, Load Management and Energy Conservation Task Force, Utah Public Service Commission, August 1985 to December 1990.

Alternate delegate for Utah, Western Interstate Energy Board, Denver, Colorado, August 1985 to December 1990.

Articles Editor, Economic Forum, September 1980 to August 1981.

Higgins Exhibit 2 Page 1 of 1

LG&E Proposed Rate Increase Versus Class Cost of Service at LG&E's Requested \$63.6 Million Revenue Increase

					Pro-Forma				
					Rate of				
		1			Return on	Revenues	Percent		LG&E's
		Pro-Forma	LG&E's		Rate Base	Required to	Change to	Equalized	Proneed
	Adjusted	Rate of	Proposed	LG&E's	with LG&E's	Produce	Produce	Rate of	Clack
;	Revenues at	Return on	Revenue	Percent	Revenue	Equalized	Equalized	Return on	Subsidy (4)/
Customer Class	Current Rates	Rate Base	Increase	Increase	Increase	RORS	RORs	Rate Base	Payment (-)
Kesidential Rate R	213,814,897	1.51%	26,277,410	12.29%	3.57%	61.810.943	28 91%	2 2 2 4	10 0 01
water Heating Rate WH	713,367	-6.9-	156,774	21.98%	-5.26%	1 208 447	169 40%	7862 8	147 194
General Service GS	81,293,907	8.55%	8.974.815	11.04%	11 33%	1222 742 71	79000	A/ 70.0	14/74-14-1
Rate LC Primary	6,404,249	1.00%	767.146	11.98%	7-54 6	(135 883)	7620 1	A AU.U	× 00.02-
Rate LC Secondary	97.684.212	6.66%	10 828 904	11 00%	1000	1000,021	V 12'1.	0.32%	-13.34%
Rate LC - TOD Primary	10 405 364	E 076/	000 000	2 20'I I	N 77 C	11,430,332)	× / • ·	6.3Z%	-12.56%
Rate LC - TOD Secondary	-00'00L'01	4/7C-0	277'002	%DC-R	8.14%	179,605	1.73%	6.32%	×17.7-
Rata I P Primary	14,233,083	%C6.C	1,124,365	7.90%	7.72%	236,952	1.66%	6.32%	-6.23%
Rate D Secondary	4,447,206	5.48%	745,164	16.76%	%65.6	161,128	3.62%	6.32%	-13.13%
Pate I D - TON Tercomication	25,250,571	8.26%	2,969,530	11.76%	11.30%	(1,900,679)	-7.53%	6.32%	-19.29%
	11,196,870	5.38%	949,877	8.48%	7.18%	498,038	4.45%	6.32%	4.04%
Pote ID TOD SALATE	55,278,422	3.79%	5,215,408	9.43%	5.75%	6,728,686	12.17%	6.32%	2.74%
Street Linhting Pate DSI	1,945,496	6.58%	220,155	11.32%	9.22%	(21,411)	-1.10%	6.32%	-12.42%
Street I inhting Pate St E	RNC'///*	3.02%	586,307	12.27%	4.67%	1,175,276	24.60%	6.32%	12.33%
Street 1 atting Aare OLE	138,741	27.00%	17,030	12.27%	2.20%	53,262	38.39%	6.32%	26.12%
Street Lighting Pate OL	5,908,023	3.43%	726,051	12.29%	5.05%	1,295,181	21.92%	6.32%	9.63%
Special Contracte	543,908	9.58%	56,796	10.44%	12.50%	(63,603)	-11.69%	6.32%	-22.14%
	21,531,513	5.33%	3,028,038	11.08%	7.87%	1,181,425	4.32%	6.32%	-6.76%
	261,367,939	4.06%	63,631,992	11.34%	6.32%	63,631,992	11.34%	6.32%	0.00 %

				Revenues	Percent	LG&E's
		LG&E's		Required to	Change to	Proposed
	Adjusted	Proposed	LG&E's	Produce	Produce	Class
	Revenues at ,	Revenue	Percent	Equalized	Equalized	Subsidy (-)/
Customer Class	Current Rates	Increase	Increase	RORs	RORs	Pavment (+)
Residential	214,528,264	26,434,184	12.32%	63.019.390	29.38%	-17 05%
General Service	81,293,907	8,974,815	11.04%	(7.347.733)	9.04%	20.08%
Rate LC	104,088,461	11,596,050	11.14%	(1,562,795)	-1.50%	12.64%
Rate LC - TOD	24,639,047	2,112,587	8.57%	416,557	1.69%	6.88%
Kate LP	29,697,777	3,714,694	12.51%	(1,739,552)	-5.86%	18.37%
	68,420,788	6,385,440	9.33%	7,205,314	10.53%	-1.20%
Special Comracts	27,331,513	3,028,038	11.08%	1,181,425	4.32%	6.76%
	11,368,181	1,386,184	12.19%	2,460,116	21.64%	-9.45%
I OTAL UTILITIZE CUSTOMERS	561,367,939	63,631,992	11.34%	63,631,992	11.34%	0.00%

LG&E Rate Increase Including Kroger's \$25 Million Adjustment Using Kroger's Alternative 1 Spread Methodology - 50% Toward COS

15.10% 82.03% -3.00% 0.64% 0.64% 2.46% 2.46% 3.32% 3.32% 3.56% 4.10% 3.71% 6.87% 14.08% 20.00% 12.91% Under Kroge Atternative 1 7.47% 1.07% Percent Change towards COS 32,276,266 35,144 (2,436,114) (2,436,114) (2,436,114) (2,436,114) (2,436,114) (2,436,114) (4,118) (3,114) (4,118) (5,64,114) (5,64,116) (5,118) (5 Revenues Under Kroger Alternative 1 Step 2. Move each rate class 50% Percent 50% Proposed 38,564,59
 6.32%
 14,688,555

 6.32%
 14,688,555

 6.32%
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 305,512

 6.32%
 40,655

 6.32%
 40,656
 Equal 6.87% 1,877,607 38,564,591 Spread of Revenue Increase Step 1. 6.32% 6.32% Equalized Rate of Return on Rate Base -5.13% -5.13% -1.93% -0.22% -0.22% -0.28% -0.28% -1.73% -1.73% -1.13% -1.5.08% 157.18% -12.87% Percent Change to Produce Equalized RORs 5.58% 23.32% 0.56% 8.87% 46,864,036 1,121,281 1,121,281 (10,484,036) (5,005,080,080) (5,005,080,080) (5,005,080,080) (5,005,080) (2,748,874) (2,748,877) (2,748,874) (2,778,874) (2,778,974) (2,778,974) (2,778,974) (2,778,974) (2,778,974) (2,778,974) (2,778,974) (2,778,974) (2,778,974) (2,778,974) (2,778,974) (2,778,974) (2,778,974 Revenues Required to Produce Equalized RORs (82,013) 152,159 1,119,631 38,564,591 235,441 7,257,756 607,335 607,335 608,471 574,106 2,123,335 480,735 2,943,842 2,943,842 LG&E's Proposed Revenue Increase with Kroger Adjustments 14,330,503 69,608 5,858,316 149,616 428,121 9,745 550,501 38,386 1,998,772 38,564,591 Rate of Return on Rate Base Pro-Forma Adjusted Revenues at Current 213,814,897 713,867 81,283,907 81,283,907 81,644,212 10,405,384 14,223,683 14,427,206 4,447,206 14,233,683 4,447,206 11,845,486 4,447,206 6,548,487 11,845,486 4,777,509 4,777,509 4,777,509 27,331,513 543,002 543,003,003 543,003,003 543,003,003,003,003,0003,003,003,003,0 561,367,939 Rates Residential Rate R Water Heating Rate WH General Service GS Rate LC Primary Rate LC - TOD Primary Rate LC - TOD Primary Rate LP Primary Rate LP - TOD Primary Rate LP - TOD Primary Street Lighting Rate PSL Street Lighting Rate SLE Street Lighting Rate SLE Street Lighting Rate CL Customer Class

		1			Proposed	
		LG&F's	-		Spread of	
		Proposed	Revenues	Percent	Revenue	
	Adjusted	Revenue	Required to	Change to	Increase	Percent
	Revenues at	Increase with	Produce	Produce	Under	Chance
	Current	Kroger	Equalized	Equalized	Kroger	Under Kroner
customer Class	Rates	Adjustments	RORs	RORS	Alternative 1	Alternative 1
Kesidentia	214.528.264	14.400.111	50.985.317	1977 PC	011 100 10	100
General Service	24 202 007			8 L'07	0 100 Te	10.32%
Rate I C	01,293,807	5,858,316	(10,464,232)	-12.87%	(2,439,771)	-3.00%
Date I C TOD	104,088,461	7,793,197	(5,365,648)	-5.15%	892,486	0.86%
Pate 1 D	24,639,047	1,215,806	(480,224)	-1.95%	606,209	2.46%
	29,697,777	2,687,441	(2,758,805)	-9.28%	(358,320)	-1.21%
Sociel Centeries	68,420,788	3,574,193	4,394,067	6.42%	4.547.203	6.65%
	27,331,513	1,998,772	152,159	0.56%	1.014,883	3.71%
Bunnyari 	11,368,181	1,026,753	2,100,685	18.48%	1.440.828	12 R7 V
I otal Ultimate Customers	561,367,939	38,564,591	38,564,591	6.87%	38,564,591	6.87%

Higgins Exhibit 3 Page 2 of 2

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LG&E Rate Increase Including Kroger's \$25 Million Adjustment Using Kroger's Alternative 2 Spread Methodology - No Rate Increase for Classes Above COS

ant Proposed Spread of Spread of Spread of Revenue e to Equalized Increase Percent uce Rate of Under Change zed Return on Kroger Under Voder Starnative 2 Alternative 2	6.32% 33,	15/.18% 6.32% 748,047 104.86% -12.87% 6.32% 0 0 0	6.32%	6.32% 0	6.32% 0			0	6.32% 2.47% 18,278 6.32% 2.473 £0£	6.32%	6.32% 678,537 1		6.32% 746,946		
Per Char Rqua Rqua		(10,484,232) -12.				-1-1 (298(8))		5						152 150 -15.0	V.00.0
LG&E's LG&E's Pro-Forma Proposed Rate of Increase with Return on Kroger Rate Base Adjustments	-8.99% 14,330,503	5,8	ľ	0.00% /,ZJ/,/56	5 95% 200 274 1		~		2	6.58% 149,616	37.00% 428,121			1.9	
Adjusted P Revenues at F Current Rates R 213.814.887	713,367	81,293,907	0,404,249	10.405.364	14.233.683	4,447,206	25,250,571	11,196,870	55,278,422	1,845,496 4 777 500	138.741	5.908.023	543,908	27,331,513	
Customer Class Residential Rate R	Vater Heating Rate WH	General Service GS Rate LC Primary	Rate LC Secondary	Rate LC - TOD Primary	tate LC - TOD Secondary	Kate LP Primary	Nate LF Secondary	Rate LP - FOU Fransmission Rate I P - TOD B-Ima	Rate LP - TOD Secondary	Street Lighting Rate PSL	treet Lighting Rate SLE	reet Lighting Rate OL	Street Lighting Rate TLE	Special Contracts	

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Proposed Spread of Revenue Increase Under Kroger Automatico		34,014,141 15.86%	7600.0		0.00%	7.000	2.992.783 4.37%			
Pr Pr Percent Change to Pr Change to Pr Produce Roulized Attent		23.77% 34	-12.87%	-5.15%	-1.95%	-9.28%	6.42% 2	0.56%	18.48% 1	6.87% 38
Revenues Required to Produce Equalized ROali	ED 005 247	20,865,317	(10,464,232)	(5,365,648)	(480,224)	(2,756,805)	4,394,067	152,159	2,100,685	38,564,591
LG&E's Proposed Revenue Increase with Kroger Adjustments	14 400 144	11 1004141	5,858,316	7,793,197	1,215,806	2,697,441	3,574,193	1,998,772	1,026,753	38,564,591
LG&E's LG&E's Proposed Revenue Adjusted Incrase with Revenues at Kroger Current Rates Adjustments	214.528.264		108'587'10	104,088,461	24,639,047	29,697,777	68,420,788	27,331,513	11,368,181	561,367,939
Customer Class	restgential	General Service	Rate LC	Rate LC - TOD	Rate LP	Rate LP - TOD	Special Contracte		Total Ultimate Customere	