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Mr. Jeff DeRouen, Executive Director
Public Service Commission
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APR 22 2010

PUBLIC SERVICE
COMMISSION

David C. Brown
(502) 681-0421
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RE: Kentucky Utilities Rate Case
Case No. 2009-00548

Dear Mr. DeRouen:

Enclosed for filing, please find the original and twelve (12) copies of the PREFILED DIRECT TESTIMONY OF NEAL TOWNSEND ON BEHALF OF THE KROGER COMPANY in the above-referenced docket.

I hereby certify that a copy of the foregoing Direct Testimony has been served on all counsel of record this date.

Very truly yours,


David C. Brown

DCB/dab

Enclosure

KR091:00KR2:782739:1:LOUISVILLE

**COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION**

**Application of Kentucky Utilities)
Utilities Company for an)
Adjustment of Base Rates)**

Case No. 2009-00548

**PREFILED DIRECT TESTIMONY OF
NEAL TOWNSEND
ON BEHALF OF THE KROGER CO.**

April 22, 2010

1 **DIRECT TESTIMONY OF NEAL TOWNSEND**

2

3 **Introduction**

4 **Q. Please state your name and business address.**

5 A. My name is Neal Townsend. My business address is 215 South State
6 Street, Suite 200, Salt Lake City, Utah, 84111.

7 **Q. By whom are you employed and in what capacity?**

8 A. I am a Senior Consultant at the firm of Energy Strategies, LLC. Energy
9 Strategies is a private consulting firm specializing in economic and policy
10 analysis applicable to energy production, transportation, and consumption.

11 **Q. On whose behalf are you testifying in this proceeding?**

12 A. My testimony is being sponsored by The Kroger Co. ("Kroger"). Kroger
13 is one of the largest retail grocers in the United States, and operates over sixty
14 stores and other facilities in the territory served by Kentucky Utilities Company
15 ("KU"). These facilities purchase in excess of 100 million kilowatt-hours (kWhs)
16 annually from KU.

17 **Q. Please describe your educational background.**

18 A. I received an MBA from the University of New Mexico in 1996. I also
19 earned a B.S. degree in Mechanical Engineering from the University of Texas at
20 Austin in 1984.

21 **Q. Please describe your professional experience and background.**

22 A. I have provided regulatory and technical support on a variety of energy
23 projects at Energy Strategies since I joined the firm in 2001. Prior to my

1 employment at Energy Strategies, I was employed by the Utah Division of Public
2 Utilities as a Rate Analyst from 1998 to 2001. I have also worked in the
3 aerospace and petroleum industries.

4 **Q. Have you previously testified before this Commission?**

5 A. No. This is the first time I have testified before the Kentucky Public
6 Service Commission.

7 **Q. Have you testified before utility regulatory commissions in other states?**

8 A. Yes. I have testified in several utility regulatory proceedings before the
9 Utah Public Service Commission, Michigan Public Service Commission, and the
10 Public Service Commission of West Virginia.

11 A more detailed description of my qualifications is contained in
12 Attachment A, appended to my direct testimony.

13

14 **Overview and Recommendations**

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

16 A. My testimony addresses the following issues:

17 (1) The spread of any change in KU's revenue requirement across
18 customer classes; and

19 (2) Section 3.11 of the Settlement Agreement entered in Case No. 2008-
20 00251, in which KU had agreed to work with interested parties to study the
21 feasibility of measuring demand for generation service to multi-site customers
22 based on conjunctive demand.

23

1 **Q. Please summarize your conclusions and recommendations.**

2 (1) KU's rate spread proposal falls within the bounds of reasonableness at
3 the revenue requirement level requested by the Company.

4 (2) If the revenue requirement approved by the Commission is less than
5 that requested by KU, then the rate spread proposed by KU for its requested
6 revenue requirement should be the starting point for spreading the approved
7 revenue change. Specifically, the revenue apportionment produced by KU's rate
8 spread should be used as the basis for spreading any smaller revenue change.

9 (3) I recommend that the Commission require KU to establish a pilot
10 program similar to those established in Michigan to test the efficacy of measuring
11 the generation demand for multi-site customers on a conjunctive demand basis, as
12 described in Section 3.11 of the Settlement Agreement.

13

14 **Rate Spread**

15 **Q. What general guidelines should be employed in spreading any change in**
16 **rates?**

17 A. In determining the spread of any revenue change, it is important to align
18 rates with cost causation, to the greatest extent practicable. Properly aligning
19 rates with the costs caused by each customer group ensures fairness by
20 minimizing cross subsidies among customer classes. It also sends proper price
21 signals, which improves efficiency in resource utilization.

22 At the same time, it may be appropriate to use the principle of
23 "gradualism" to mitigate the impact of moving to cost-based rates for customer

1 groups that would experience significant rate increases. However, the use of
2 “gradualism” should not prevent a long-term strategy of moving in the direction
3 of cost causation, nor should it result in spread decisions that result in permanent
4 cross-subsidies from other customers.

5 **Q. What general approach to electric rate spread does KU recommend?**

6 A. As described by KU witness Lonnie E. Bellar, the Company is attempting
7 to bring class rates of return more in line, while taking into consideration the
8 principle of gradualism.¹

9 **Q. What is your assessment of KU’s proposed approach to rate spread?**

10 A. Although it would have been reasonable for KU to move classes with
11 relative rates of return significantly divergent from 1.00² closer to cost-of-service,
12 I have concluded that the Company’s proposal is reasonable at the revenue
13 requirement level requested by the Company. Consequently, if the Company’s
14 requested revenue requirement is adopted by the Commission, then I would
15 support the rate spread proposed by KU.

16 **Q. What do you recommend if the revenue requirement approved by the
17 Commission is less than that requested by KU?**

18 A. If the revenue requirement approved by the Commission is less than that
19 requested by KU, then the rate spread proposed by KU for its requested revenue
20 requirement should be the starting point for spreading the approved revenue

¹ Direct testimony of Lonnie E. Bellar, pp. 3-4.

² Relative rate of return is calculated by dividing the class rate of return by the total system rate of return.

1 change. Specifically, the revenue apportionment produced by KU's rate spread
2 should be used as the basis for spreading the smaller revenue change.

3 **Q. Please explain your recommendation further.**

4 A. When I refer to the "revenue apportionment" produced by KU's rate
5 spread, I am referring to each class's percentage share of total revenue
6 requirement (excluding miscellaneous revenues) that results from that spread. For
7 example, under KU's proposed spread, the Residential customer class would pay
8 37.81 percent of the total revenue requirement exclusive of miscellaneous
9 revenues. If the Commission agrees that KU's proposed rate spread is reasonable,
10 then by extension, the corresponding revenue apportionment produced by that
11 spread is reasonable as well.

12 My recommendation is to retain the percentage revenue apportionment
13 that results from KU's rate spread and to apply this revenue apportionment to
14 whatever final revenue requirement is approved by the Commission. This type of
15 approach (determining a reasonable revenue apportionment first, then applying it
16 to the resulting revenue requirement) is standard practice in some jurisdictions,
17 e.g. Minnesota. This approach balances the application of gradualism with
18 moving toward cost-of-service. If it is determined that a given revenue
19 apportionment reasonably accomplishes this balance, then this balance should be
20 retained for a range of different revenue requirements. My recommendation
21 accomplishes this objective.

22

23

1 **Q. Do you have an example to illustrate how your approach would work?**

2 A. Yes. An example is presented in Townsend Exhibit 1. In this example, the
 3 revenue apportionment associated with KU's proposed spread is first determined.
 4 Next, I have assumed that the Commission approves a 5 percent revenue increase
 5 rather than the 11.49 percent increase requested by the Company.³ The resulting
 6 rate spread is then calculated by holding the revenue apportionment constant. The
 7 results are summarized in Table NT-1, below.

8 **Table NT-1**

9
 10 **Kroger Recommended Spread Approach:**
 11 **Example Assuming 5% Increase in Revenue Requirement**

Rate Class	Current Revenue (\$M)	KU Proposed Revenue (\$M)	Class % of Proposed Revenues (%)	Example Dollar Change (\$M)	Example Percent Change (%)
Residential Rate – RS	433.90	492.64	37.81%	30.07	6.93%
General Service Rate – GS	162.98	179.37	13.76%	5.95	3.65%
All Electric School Service Rate – AES	8.26	9.41	0.72%	0.60	7.27%
Power Service Rate					
Power Service Rate – Secondary	219.19	242.27	18.59%	8.99	4.10%
Power Service Rate – Primary	87.47	96.40	7.40%	3.32	3.80%
Total Power Service Rate	306.65	338.68	25.99%	12.31	4.01%
Time-of-Day Service - Secondary (TODS)	9.97	11.05	0.85%	0.43	4.34%
Time-of-Day Service - Primary (TODP)	139.87	155.39	11.92%	6.47	4.63%
Curtailable Service Riders - CSR1 - Pri.	(0.13)	(0.12)	(0.01%)	9.09	(7.21%)
Curtailable Service Riders - CSR3 - Tran.	(5.52)	(7.27)	(0.56%)	(1.33)	24.19%
Total Curtailable Service Riders	(5.64)	(7.40)	(0.57%)	(1.33)	23.49%
Retail Transmission Service – RTS	72.78	80.04	6.14%	2.60	3.57%
Fluctuating Load Service – FLS	18.98	20.85	1.60%	0.66	3.47%
Lighting Energy – LE					
Traffic Lighting Energy – TE	0.00002	0.00002	<.001%	0.00002	0.07%
Street Lighting – SL	8.88	9.73	0.75%	0.29	3.24%
Private Outdoor Lighting – POL	12.11	13.32	1.02%	0.44	3.60%
Total SL & POL Lighting Service	20.98	23.05	1.77%	0.72	3.45%
Total Ultimate Consumers	1168.73	1303.08	100.00%	58.49	5.00%

3 Excludes the impact of any change in miscellaneous revenues.

1 **Q. Please summarize your recommendation with respect to rate spread.**

2 A. Although it would be reasonable to move those rate classes with relative
3 rates of return significantly divergent from 1.0 closer to cost-of-service, I
4 conclude that KU's rate spread proposal is reasonable at the revenue requirement
5 requested by the Company. If the Commission approves a revenue requirement
6 that is less than that requested by KU, then the percentage revenue apportionment
7 produced by KU's rate spread should be used as the basis for spreading the
8 resulting revenue change.

9

10 **Section 3.11 of the Settlement Agreement in Case No. 2008-00251 – Conjunctive**

11 **Demand**

12 **Q. What is provided in Section 3.11 of the Settlement Agreement approved in**
13 **Case No. 2008-00251?**

14 A. Section 3.11 of the Settlement Agreement approved in Case No. 2008-
15 00251 states:

16 The Utilities agree to work with interested parties to study the feasibility of
17 measuring demand for generation service to multi-site customers based on
18 conjunctive demand, where "conjunctive demand" herein refers to the measured
19 demand at a meter at the time that the total demand of a multi-site customer's
20 loads, measured over a coinciding time period, has reached its peak during the
21 billing period.

22
23 **Q. Please explain the meaning of this provision.**

24 A. This provision commits KU to work with interested parties (such as
25 Kroger) to study the feasibility of measuring demand for generation service to
26 multi-site customers in an alternative manner. Specifically, the alternative
27 measurement of demand – conjunctive demand – is based on the multi-site

1 customer's total demand over all of its loads during the billing month, as
2 measured over a coinciding time period. The key concept here is the phrase
3 "measured over a coinciding time period." For example, a customer may have
4 multiple accounts that experience peak demands at different times. Currently, the
5 customer is billed for generation service based on each individual account's peak
6 demand during the month. A conjunctive demand approach would instead bill the
7 customer for generation demand based on the customer's peak demand for its
8 aggregated load. As such, it provides multi-site customers the opportunity to
9 benefit appropriately from the operational diversity of their loads on the system
10 by measuring their billing demand comparably to a single-site customer of the
11 same size.

12 This provision in the Settlement Agreement does not require the adoption
13 of conjunctive demand for billing purposes, but indicates that a cooperative study
14 of its feasibility would be undertaken.

15 **Q. Has such a study been performed?**

16 A. No. When asked in discovery to provide any studies the Company
17 performed as required by Section 3.11 of the Settlement Agreement, KU simply
18 refers to pages 26-34 of the direct testimony of William Steven Seelye, in which
19 Mr. Seelye argues against the use of conjunctive demand for billing purposes.⁴

20 **Q. Do you agree with Mr. Seelye's conclusion that the type of conjunctive**
21 **demand defined in the Settlement Agreement is inconsistent with sound cost**
22 **of service and ratemaking principles?**

⁴ KU Response to Kroger's First Set of Data Request, Question No. 8.

1 A. No, I disagree with Mr. Seelye. Measuring generation demand for multi-
2 site customers on the basis of conjunctive demand as defined in the Settlement
3 Agreement has a sound basis in ratemaking principle, as I will explain below.

4 **Q. Has the measurement approach described in Section 3.11 of the Settlement**
5 **Agreement been adopted in any other jurisdictions?**

6 A. Yes. It has been adopted in Michigan on a pilot basis in both the Detroit
7 Edison and Consumers Energy service territories.

8 **Q. Please explain why measuring generation demand for multi-site customers**
9 **on the basis of conjunctive demand has a sound basis in principle.**

10 A. As I stated above, using conjunctive demand to measure the customer's
11 generation demand allows the multi-site customer to capture the diversity within
12 its loads for billing purposes by measuring the customer's billing demand
13 comparably to a single-site customer of the same size. There is no difference in
14 generation cost to the utility in serving a single-site customer than a multi-site
15 customer with the same aggregate demand and load shape.⁵ As demand is
16 *currently* measured, a multi-site customer effectively buys more generation
17 demand from the utility than the customer – viewed over all of its loads – actually
18 requires. The use of conjunctive demand better aligns costs with cost causation,
19 and as such, is inherently reasonable. It also allows customers to take fuller
20 advantage of advances in metering technology and provides an additional tool for
21 customers to control load.

⁵ In contrast, I agree that there are differences in distribution costs between single-site and multi-site customers. For this reason, the conjunctive demand concept should be limited to the generation-related portion of the demand charge.

1 **Q. Have you reviewed Mr. Seelye's example using hypothetical Customers A, B,**
2 **C, and D presented on pages 27 through 32 of his direct testimony?**

3 A. Yes, I have.

4 **Q. Do you believe that Mr. Seelye's example represents an accurate portrayal of**
5 **how billing on the basis of conjunctive demand is intended to work?**

6 A. Yes, I do. However, I believe that Mr. Seelye's example omits an
7 important point of comparison: what I will term "Customer E." Customer E is a
8 hypothetical single-site customer with the same load characteristics of Mr.
9 Seelye's multi-site Customer A/B measured on a conjunctive basis. As such,
10 Customer E has a billing demand of 1,593 kW. [See Mr. Seelye's direct
11 testimony p. 30.]

12 By including a comparison to Customer E, the merit of conjunctive billing
13 is obvious – Customer A/B and Customer E each impose identical generation
14 requirements on the system, as they require the *same amount* of generation
15 capacity. Conjunctive demand recognizes this comparability by charging
16 Customer A/B and Customer E for identical *amounts* of generation demand.

17 **Q. Do you agree with Mr. Seelye's claim that measuring demand on a**
18 **conjunctive basis is unduly discriminatory?**

19 A. No, not at all. Mr. Seelye is being arbitrarily selective in citing
20 "discrimination" as the basis for not examining the feasibility of using
21 conjunctive demand as required in the Settlement Agreement. Mr. Seelye's basis
22 for the argument is that the multi-site customer A/B would have the same load
23 characteristics as individual Customer C and Customer D when the latter two are

1 aggregated, but would be billed for differing amounts of demand. In making this
2 argument, Mr. Seelye ignores the material consideration that Customer A/B is a
3 single corporate entity, whereas Customer C and Customer D are not. Further,
4 Mr. Seelye, conveniently ignores making a comparison between Customer A/B
5 and a Customer E: if discrimination is to be introduced as an argument, certainly
6 there is at least as strong a case that it is discriminatory to bill Customer E for less
7 generation demand than Customer A/B when each require identical amounts of
8 generation capacity.

9 Finally, Mr. Seelye's reliance on the discrimination argument is
10 particularly weak in light of LG&E's pricing structure, supported in Mr. Seelye's
11 LG&E testimony, in which the Company's time-of-day rates discriminate among
12 customers depending on whether the customer is classified as "commercial" or
13 "industrial." In light of the discrimination present in LG&E's current and
14 proposed tariff, Mr. Seelye's reliance on a "discrimination" argument to defend
15 the Companies' failure to study the feasibility of using conjunctive demand in
16 fulfillment of the requirements of the Settlement Agreement rings hollow.

17 **Q. Have you reviewed Mr. Seelye's claim on page 27 of his direct testimony that**
18 **measuring billing demand on a conjunctive basis would violate 807 KAR**
19 **5:041 § 9(2)?**

20 **A. Yes, I have.**

21 **Q. What is your assessment of Mr. Seelye's argument?**

1 A. As I am not an attorney I will not attempt to offer a legal interpretation of
2 807 KAR 5:041 § 9(2), but will comment on the policy implications for
3 ratemaking in the Rule. The Rule states:

4 The utility shall regard each point of delivery as an independent customer and
5 meter the power delivered at each point. Combined meter readings shall not be
6 taken at separate points, nor shall energy be used by more than one (1) residence
7 or place of business be measured on one (1) meter to obtain a lower rate.
8

9 Both KU and LG&E have rates for non-residential customers that are
10 differentiated by size. For example, in the KU service territory, proposed Rate PS
11 is generally applicable for customers with billing demands less than 250 kW;
12 similarly, proposed Rate TODS is generally applicable for customers at secondary
13 voltage with billing demands in the range of 250 kW to 5,000 kW. 807 KAR
14 5:041 § 9(2) appears to preclude customers from aggregating their load for the
15 purpose of qualifying for an alternative rate schedule with a lower rate. The use
16 of conjunctive demand, however, is not intended to allow multi-site customers to
17 qualify for alternative rate schedules with lower rates; rather, the multi-site
18 customer remains on its current rate schedule – it is only the *amount* of generation
19 demand billed to the that customer that is affected with conjunctive demand, not
20 the rate or price charged to the customer. This is a crucial distinction.

21 With this distinction in mind, 807 KAR 5:041 § 22 provides that parties
22 may request a deviation from this provision for good cause. Thus, to the extent
23 that there is concern that conjunctive demand is viewed as inconsistent with the
24 letter of 807 KAR 5:041 § 9(2), there is a means to remedy the situation. Such a

1 deviation was approved by the Commission for the University of Kentucky in
2 2003.⁶

3 **Q. Have you reviewed Mr. Seelye's alternative proposal to consider setting**
4 **generation demand charges tied to the system coincident peak ("CP")?**

5 A. Yes, I have.

6 **Q. What is your assessment of Mr. Seelye's CP pricing proposal?**

7 A. At this point, Mr. Seelye's proposal is very short on specifics. Based on
8 the limited information provided in the filing and in discovery I neither support
9 nor oppose the proposal. However, Mr. Seelye's CP pricing proposal does not
10 constitute an adequate substitute for KU's obligation in the Settlement Agreement
11 to study the feasibility of using conjunctive demand.

12 **Q. What is your recommendation to the Commission with respect to conjunctive**
13 **demand?**

14 A. I recommend that the Commission require KU to establish a pilot program
15 similar to those established in Michigan to test the efficacy of measuring the
16 generation demand for multi-site customers on a conjunctive demand basis, as
17 described in Section 3.11 of the Settlement Agreement. KU's proposed time-of-
18 day rates (TODS & TODP) would be good candidates for such a pilot, as they
19 likely contain the type of customers likely to qualify for it.

20 Both Consumers Energy Company and Detroit Edison in Michigan have
21 generation aggregation pilot programs in place. Because they are pilots, both
22 Michigan programs have total participation limitations.

⁶ See the Commission's Order in Case No. 2003-00320.

1 In the Consumers Energy program, a customer must have at least seven
2 accounts with an average billing demand of 250 kW per account on the same rate
3 schedule that can be aggregated. The Detroit Edison program requires at least
4 seven accounts with a minimum aggregate demand of 5 MW per customer. Either
5 of these requirements would constitute reasonable parameters for a KU program.

6 **Q. What are the implications for generation demand charges if a conjunctive
7 demand pilot program is put in place?**

8 A. Conjunctive demand would reduce the total billing demand for the rate
9 schedule, thereby requiring a small, revenue-neutral increase in the demand
10 charge for the applicable rate schedule. The amount of adjustment needed in the
11 demand charge can be constrained at the outset through implementation on a pilot
12 basis.

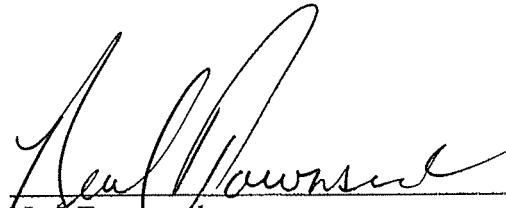
13 **Q. Does this conclude your direct testimony?**

14 A. Yes, it does.

VERIFICATION

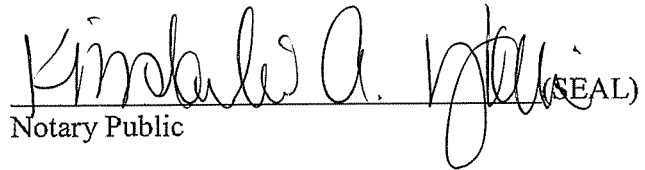
STATE OF UTAH)
)
COUNTY OF SALT LAKE) SS:

The undersigned, being duly sworn, deposes and says that he is Senior Consultant, Energy Strategies, LLC, that he has personal knowledge of the matters set forth in the foregoing testimony and exhibits, and the answers contained therein are true and correct to the best of his information, knowledge and belief.



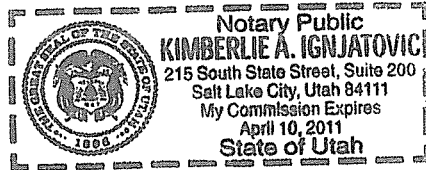
Neal Townsend

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 20TH day of APRIL, 2010.



Notary Public

My Commission Expires:
April 10, 2011



ATTACHMENT A

Resume

Neal Townsend
Energy Strategies, LLC
215 S. State Street, Suite 200
Salt Lake City, Utah 84111

Work Experience:

Senior Consultant, Energy Strategies (2001 – Present)

Rate Analyst, Utah Division of Public Utilities (1997 – 2001)

Other

Systems Engineer, Morton Thiokol, Inc.

Assistant Engineer, Schafer Engineering

Graduate/Research Assistant, University of New Mexico

Education:

University of New Mexico, Masters of Business Administration, 1996

University of Texas, Austin, B.S., Mechanical Engineering, 1984

Regulatory Testimony:

State of Michigan

<u>Case #</u>	<u>Title</u>	<u>Activity</u>
U-15645	In the Matter of the Application of Consumers Energy Company for Authority to Increase Its Rate for the Generation and Distribution of Electricity and Other Relief	Rate Spread, Class Cost of Service

ATTACHMENT A

State of Utah

<u>Docket #</u>	<u>Title</u>	<u>Activity</u>
09-035-23	In the Matter of the Application of Rocky Mountain Power for Authority to Increase its Retail Electric Utility Service Rates in Utah and for Approval of its Proposed Electric Service Schedules and Electric Service Regulations	Rate Design/ Decoupling
09-035-T08	In the Matter of Rocky Mountain Power Advice No. 09-08, seeking an Adjustment to the DSM Tariff Rider, Schedule 193	Support of Stipulation
04-035-42	In the Matter of the Application of PacifiCorp For Approval of its Proposed Electric Rate Schedules and Electric Service Regulations	Derivation of Prudence Disallowance
03-035-14	In the Matter of the Application of PacifiCorp For Approval of an IRP Based Avoided Cost Methodology For QF Projects Larger than 1 MW	Derivation of Methodology for Establishing QF Avoided Cost Pricing
99-057-20	In the Matter of the Application of Questar Gas Company for an Increase In Rates and Charges	Revenue Requirement and Class Cost of Service Modeling, Proposed CO ₂ Plant Disallowance Mechanism
99-035-10	In the Matter of the Application of PacifiCorp For Approval of its Proposed Electric Rate Schedules and Electric Service Regulations	Interjurisdictional Cost Allocation and Class Cost of Service Modeling

ATTACHMENT A

98-057-12	In the Matter of the Application of Questar Gas Company for Approval of a Natural Gas Processing Agreement	Assessment of Application, Revenue Requirement Modeling
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State of West Virginia

<u>Case #</u>	<u>Title</u>	<u>Activity</u>
09-1352-E-42T	Monongahela Power Company and the Potomac Edison Company, both d/b/a Allegheny Power Rule 42T Tariff Filing to Increase Rates and Charges	Rate Spread, Rate Design

**Example Rate Spread at a Hypothetical 5 Percent Revenue Increase
Using Kroger's Recommended Revenue Apportionment Approach**

Line No.	Rate Class	Adjusted Billings at Current Rates ¹	KU Proposed Revenue Change ¹	Percent Change at KU Proposed Revenue Change	Class Percent of Proposed Revenue ²	KU Proposed Revenue	Recommended Revenue at Hypothetical Rate Change	Revenue Change at an Hypothetical Rate Change	Percent Change at an Hypothetical Revenue Change	Kroger Recommended Spread at Assumed Lower Revenue Increase	
										Recommended Revenue at Hypothetical Rate Change	Revenue Change at an Hypothetical Rate Change
1	Residential Rate - RS	433,890,060	58,746,914	13.54%	37.81%	492,642,974	463,965,659	30,070,599	6.93%		
2	General Service Rate - GS	162,978,796	16,388,192	10.06%	13.76%	179,366,988	168,926,193	5,947,397	3.65%		
3	All Electric School Service Rate - AES	8,264,689	1,149,071	13.90%	0.72%	9,413,760	8,865,793	601,104	7.27%		
Power Service Rate											
4	Power Service Rate - Secondary	219,186,409	23,088,024	10.53%	18.59%	242,274,433	228,171,851	8,985,442	4.10%		
5	Power Service Rate - Primary	87,466,013	8,936,324	10.22%	7.40%	96,402,337	90,790,842	3,324,829	3.80%		
6	Total Power Service Rate	306,652,422	32,024,348	10.44%	25.99%	338,676,776	318,962,693	12,310,271	4.01%		
7	Time-of-Day Service - Secondary (TODS)	9,970,256	1,075,445	10.79%	0.85%	11,045,701	10,402,740	432,484	4.34%		
8	Time-of-Day Service - Primary (TODP)	139,874,751	15,516,516	11.09%	11.92%	155,391,267	146,346,078	6,471,327	4.63%		
9	Curtailable Service Riders - CSRI - Pri.	(126,145)	1,857	-1.47%	-0.01%	(124,288)	(117,053)	9,092	-7.21%		
10	Curtailable Service Riders - CSRI - Tran.	(5,515,286)	(1,757,507)	31.87%	-0.56%	(7,272,793)	(6,849,450)	(1,334,164)	24.19%		
11	Total Curtailable Service Riders	(5,641,432)	(1,755,650)	31.12%	-0.57%	(7,397,082)	(6,966,504)	(1,325,072)	23.49%		
12	Retail Transmission Service - RTS	72,780,342	7,258,002	9.97%	6.14%	80,038,344	75,379,382	2,599,040	3.57%		
13	Fluctuating Load Service - FLS	18,976,432	1,872,641	9.87%	1.60%	20,849,073	19,635,467	659,035	3.47%		
14	Lighting Energy - LE										
14	Traffic Lighting Energy - TE	16	1	6.25%	0.000001%	17	16	0	0.07%		
15	Street Lighting - SL	8,875,610	853,960	9.62%	0.75%	9,729,570	9,163,220	287,610	3.24%		
16	Private Outdoor Lighting - POL	12,106,290	1,211,332	10.01%	1.02%	13,317,622	12,542,415	436,125	3.60%		
17	Total SL & POL Lighting Service	20,981,900	2,065,292	9.84%	1.77%	23,047,192	21,705,635	723,735	3.45%		
18	Total Ultimate Consumers	1,168,734,233	134,340,772	11.4946%	100.00%	1,303,075,005	1,227,224,153	58,489,920	5.08%		
Miscellaneous Revenue											
19	Forfeited Discounts	7,539,994				7,539,994	7,539,994				
20	Electric Service Revenues	1,330,697				1,330,697	1,330,697				
21	Rent from Electric Property	1,222,560	925,108			2,147,668	2,147,668	925,108			
22	Other Miscellaneous Revenue	611,007	1,062			612,069	612,069	1,062			
23	Total Jurisdiction	1,179,438,490	135,266,941	11.47%		1,314,705,431	1,238,854,581	59,416,091	5.04%		

1. Data Source: Direct Testimony and Exhibits of William Steven Seelye Exhibit 6, Page 2 of 2.
2. The class percentage of KU proposed revenue excludes miscellaneous revenue.