COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

THE APPLICATION OF KENTUCKY UTILITIES)	
COMPANY FOR A CERTIFICATE OF PUBLIC)	
CONVENIENCE AND NECESSITY TO)	
CONSTRUCT FLUE GAS DESULFURIZATION)	CASE NO. 2004-00426
SYSTEMS AND APPROVAL OF ITS 2004)	
COMPLIANCE PLAN FOR RECOVERY BY)	
ENVIRONMENTAL SURCHARGE)	

DIRECT TESTIMONY OF ROBERT M. CONROY MANAGER, RATES LG&E ENERGY SERVICES INC.

Filed: December 20, 2004

1

Q.

Please state your name, position, and business address.

- A. My name is Robert M. Conroy. I am the Manager of Rates for LG&E Energy Services
 Inc. which provides services to Louisville Gas & Electric Company ("LG&E") and
 Kentucky Utilities Company ("KU") (collectively "the Companies"). My business
 address is 220 West Main Street, Louisville, Kentucky, 40202. A complete statement of
 my education and work experience is attached to this testimony as Appendix A.
- 7 Q. Have you previously testified before this Commission?
- 8 A. Yes. I have previously testified before this Commission in proceedings concerning the
 9 fuel adjustment clauses for LG&E and KU.
- 10 Q. Are you sponsoring any exhibits?
- A. Yes. I am sponsoring four exhibits, identified as Exhibits RMC-1, RMC-2, RMC-3 and
 RMC-4. These exhibits are:
- 13 Exhibit RMC-1 Proposed KU Environmental Cost Recovery Surcharge Tariff
- 14 Exhibit RMC-2 Proposed KU Environmental Cost Recovery Surcharge Tariff (redline)
- 15 Exhibit RMC-3 Current KU Environmental Surcharge Monthly Reports Tariff
- 16 Exhibit RMC-4 Proposed KU Environmental Surcharge Monthly Reports Tariff
- 17 Q. What is the purpose of your testimony?

A. My testimony addresses how KU's Electric Rate Schedule Environmental Cost Recovery
Surcharge ("ECR") tariff will be calculated to include the costs incurred with the new and
additional pollution control projects in KU's 2004 Environmental Compliance Plan
("2004 Plan").

22 Q. Is KU proposing any changes to its Environmental Cost Recovery Surcharge tariff?

Yes. KU filed a revised ECR tariff sheet in accordance with the Commission Order in 1 A. Case No. 2003-00434 issued on June 30, 2004 and as outlined in the Partial Settlement 2 Agreement, Stipulation, and Recommendation ("Settlement Agreement") entered into on 3 May 12, 2004. KU is proposing modifications to incorporate Operations & Maintenance 4 ("O&M") expense for the Flue Gas Desulfurization systems ("scrubbers") and minor 5 tariff language changes. The proposed ECR Tariff is attached as Exhibit RMC-1. A 6 redline version comparing the proposed ECR Tariff to the existing tariff is attached as 7 8 Exhibit RMC-2.

9 Q. Will the methode10 Commission approximation

Commission approves recovery of KU's 2004 Plan?

Will the methodologies for calculating the environmental surcharge change if the

A. No. KU will use the approved methodologies for calculating the environmental surcharge as specified by the Commission in Case Nos. 2000-00439 and 2002-00146.
The calculation of the monthly Environmental Surcharge billing factor will continue to consolidate the Post-1994 Environmental Compliance Plan and if approved, the proposed 2004 Plan.

Q. Will the monthly reporting forms used for calculating the environmental surcharge change if the Commission approves recovery of KU's 2004 Plan?

A. Yes. KU is proposing to change the format of some of the forms to reflect the recovery
 of the costs associated with the 2004 Plan and to reflect the changes agreed to in the
 Settlement Agreement, Section 3.4. Exhibit RMC-3 contains the forms KU currently
 uses when filing its monthly environmental surcharge report. Exhibit RMC-4 shows the
 sample monthly environmental surcharge report forms KU is proposing in this case.

23 Q. Please describe the modifications that KU is proposing.

The calculation of the monthly billing factor for recovery of the cost of KU's 2004 Plan 1 A. will be consistent with the methodology approved by the Commission in Case No. 2002-2 00146 and used to calculate the recovery of the cost of KU's Post 1994 Environmental 3 Compliance Plan. The ES Form 1.00 will be modified to combine Total E(m) for all 4 5 ECR Plans that have not been incorporated into base rates at the 11.0% return on 6 common equity as specified in the Commission's Order of June 30, 2004 in Case No. 2003-00434 and the Settlement Agreement, Section 3.1. The ES Form 1.00 columns 7 associated with the 1994 Plan are being removed as ordered by the Commission in Case 8 9 No. 2003-00434 and as agreed to in the Settlement Agreement, Section 3.4. ES Form 1.00 will continue to show the calculation of the Jurisdictional Environmental Surcharge 10 Billing Factor using the same methodology previously approved by the Commission. 11 Additionally, in the calculation of the Jurisdictional Environmental Surcharge Billing 12 Factor, the line item for the Final Adjustment and True-Up for Over Recovery per 13 Commission Order 2003-00068 has been removed due to its completion. 14

The determination of the Environmental Compliance Rate Base is based on combining all ECR approved expenditures and calculating the rate base according to the methodologies ordered in Case Nos. 2000-00439 and 2002-00146.

The calculation of the Environmental Compliance Rate Base on ES Form 2.00 is being modified to combine all ECR approved expenditures from the Post-1994 Plan and the 2004 Plan and in accordance with the methodologies ordered in Case Nos. 2000-00439 and 2002-00146. The current month ending inventory balance for current vintage emission allowances from ES Form 2.30 will be included in the calculation of the Environmental Compliance Rate Base net of the inventory baseline amount included in

1 KU's base rates. The monthly emission allowance expense for steam generation, as 2 reported on ES Form 2.31 will be incorporated into the Determination of the Total 3 Pollution Control Operating Expense on ES Form 2.00 net of the emission allowance 4 expense included in base rates. An additional modification made to the form was to 5 delete the reference to "1994 Plan Only" in the calculation of the Gross Proceeds From 6 By-Product and Allowance Sales section.

The plant, construction work in progress and depreciation expense for the Post
1994 Environmental Compliance Plan will continue to be reported using ES Form 2.11.
KU is proposing to add on ES Form 2.11 monthly amounts for plant, construction work
in progress, and depreciation for the additional projects in the 2004 Plan.

11 The Inventory of Emission Allowances will be reported on ES Forms 2.30 and 12 2.31. The reporting format of these forms was previously approved in Case Nos. 2000-00439 and 2002-00146. ES Form 2.30 will be modified to include the current year 13 14 allowance bank and the inventory dollars. Additionally, KU proposes that ES Form 2.31 be utilized to report beginning and ending allowance inventory and monthly utilization by 15 16 steam power generation and other power generation for the current year. The Allowances 17 from Purchases is expanded to separately identify those purchases from the emission 18 allowance market and those purchases from LG&E.

The ES Forms 2.40 and 2.50 are being modified to remove the references to the 1994 Plan as ordered by the Commission in Case No. 2003-00434 and as agreed to in Section 3.4 of the Settlement Agreement and to include O&M Expenses for the 2004 Plan. On ES Form 2.40, the reference to the 2001 Plan is being replaced with Environmental Compliance Plan to calculate Total 12 Month O&M and the Pollution

1 Control Cash Working Capital Allowance for all approved ECR Plans. Additional 2 modifications to ES Form 2.40 include the deletion of all references to "incremental" in 3 the form. On ES Form 2.50, the references to Tyrone and Green River have been omitted 4 due to the deletion of items associated with the 1994 Plan. The account numbers for 5 Scrubber O&M expense were added to the form to capture the expenses associated with 6 the 2004 Plan.

7 8 The ES Forms 3.0 and 3.1 will not change and will continue to be used for monthly ES reporting.

9

Q. Does KU anticipate having to purchase emission allowances?

10 A. Yes. As discussed in Mr. Malloy's testimony, it is anticipated that KU will need to 11 purchase additional emission allowances by the end of 2005. Such purchases may be 12 from the emission allowance market or from LG&E. Consistent with the Power Supply 13 System Agreement ("PSSA") the joint planning of the combined LG&E and KU system 14 relies upon the ability to transfer allowances from one system to the other to develop a 15 least cost compliance plan.

16 Q. How will KU report these purchased allowances in the monthly filing?

Any purchase will be reported on ES Form 2.31 and will be included in the Environmental Compliance Rate Base. Any transfer from LG&E will be treated as a purchase of an emission allowance at the then current market price as published by Cantor Emission Brokerage. Such transfers will be reported on ES Form 2.31 and will be included in the Environmental Compliance Rate Base for KU. Any transfer to LG&E will be treated as a sale of an emission allowance at the then current market price as published by Cantor Emission Brokerage. The proceeds from such transfers will be
 accounted for and returned to customers on ES Form 2.00.

3 Q. Does the relief requested by KU in this case have any effect on the existing electric 4 base rates?

5 A. No. Ms. Scott's testimony affirms that none of the costs of the new and additional 6 pollution control facilities was incurred prior to or during the 12-month period ending 7 September, 30, 2003 or included as adjustments hereto. Thus, none of these costs is 8 already included in existing base rates.

9 The current base rates also do not include existing environmental surcharge 10 revenues, expenses or assets associated with the 2001, 2003, and proposed 2004 Plans. The environmental surcharge revenues, expenses and assets associated with KU's 1994 11 12 Plan are now recovered in KU's base rates as agreed to by all parties in the Settlement Agreement. To the extent that the installation of the new and additional pollution control 13 facilities causes existing facilities to be replaced or retired, the cost of which is already 14 included in existing rates, KU will credit the amount of net plant balance of retired or 15 replaced plant against the amount of the capital expenditure to be recovered through the 16 17 surcharge in accordance with the Commission's Order of May 14, 2001 in Case No. 18 2000-00439. KU has been removing such amounts from the surcharge as necessary in 19 the monthly calculation of the surcharge factor.

Q. Will the estimated fuel cost reductions anticipated by the operation of the new FGD's be included in the monthly Fuel Adjustment Clause?

A. Yes. As noted in Ms. Pfeiffer's testimony, KU expects to achieve reductions in fuel cost
with the construction and operation of FGD's on Ghent 2, 3, and 4 and E.W. Brown 1-3

1 compared to the expected fuel cost under current operation. This reduction in fuel cost 2 will be realized by the KU customers through the normal application of the Uniform Fuel Adjustment Clause (FAC). The FAC is a monthly billing adjustment that reflects the 3 difference between the current cost of coal and other fuels and the fuel costs included in 4 5 KU's base rates. The monthly billing factor is calculated as the total current month fuel costs divided by total current month energy sales. The result is a cost per kWh that is 6 7 charged to all retail energy sales. To the extent that KU is able to make use of different coals with lower costs than those coal types currently being used at the Ghent and E. W. 8 Brown stations, those lower costs will result in a lower monthly FAC billing factor than 9 10 would otherwise be the case.

11 Q. Please summarize what relief KU is requesting from the Commission.

A. KU is asking the Commission to approve: (1) the 2004 Plan proposed in this case for
purposes of recovering the costs of pollution control facilities in that plan through the
environmental surcharge beginning with service rendered on and after July 1, 2005; (2)
the proposed ECR Tariff; and (3) the proposed reporting formats.

- 16 Q. Does this conclude your testimony?
- 17 A. Yes it does.

VERIFICATION

COMMONWEALTH OF KENTUCKY)) SS: COUNTY OF JEFFERSON)

The undersigned, **Robert M. Conroy**, being duly sworn, deposes and says he is Manager, Rates for LG&E Energy Services Inc., and that he has personal knowledge of the matters set forth in the foregoing testimony, and the answers contained therein are true and correct to the best of his information, knowledge and belief.

ROBERT M. CONROY

Subscribed and sworn to before me, a Notary Public in and before said County and State, this $17^{\pm 6}$ day of December 2004.

Jammy J. Ely (SEAL)

My Commission Expires:



APPENDIX A

Robert M. Conroy

Manager, Rates LG&E Energy Services Inc. 220 West Main Street Louisville, Kentucky 40202 (502) 627-3324

Education

Masters of Business Administration Indiana University (Southeast campus), December 1998. GPA: 3.9.

Bachelor of Science in Electrical Engineering; Rose Hulman Institute of Technology, May 1987. GPA: 3.3

Center for Creative Leadership, Foundations in Leadership program, 1998.

Registered Professional Engineer in Kentucky, 1995.

Previous Positions

Manager, Generation Systems Planning	Feb. 2001 – April 2004
Group Leader, Generation Systems Planning	Feb. 2000 – Feb. 2001
Lead Planning Engineer	Oct. 1999 – Feb. 2000
Consulting System Planning Analyst	April 1996 – Oct. 1999
System Planning Analyst III & IV	Oct. 1992 - April 1996
System Planning Analyst II	Jan. 1991 - Oct. 1992
Electrical Engineer II	Jun. 1990 - Jan. 1991
Electrical Engineer I	Jun. 1987 - Jun. 1990

Professional/Trade Memberships

Registered Professional Engineer in Kentucky, 1995.

Exhibit RMC-1 - Proposed KU Environmental Cost

Recovery Surcharge

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First Revision to Original Sheet No. 72 P.S.C. No. 13

ECR

Environmental Cost Recovery Surcharge

APPLICABLE

In all territory served.

AVAILABILITY OF SERVICE

To all electric rate schedules.

RATE

The monthly billing amount under each of the schedules to which this mechanism is applicable, including the fuel clause, shall be increased or decreased by a percentage factor calculated in accordance with the following formula.

CESF = E(m) / R(m)

MESF = CESF - BESF

MESF = Monthly Environmental Surcharge Factor CESF = Current Environmental Surcharge Factor BESF = Base Environmental Surcharge Factor

Where E(m) is the jurisdictional total of each approved environmental compliance plan revenue requirement of environmental compliance costs for the current expense month and R(m) is the revenue for the current expense month as set forth below.

DEFINITIONS

- 1) For all Plans, E(m) = [(RB/12) (ROR + (ROR DR) (TR / (1 TR))] + OE Where:
 - a) RB is the Total Environmental Compliance Rate Base.
 - b) Where ROR is the Rate of Return in Environmental Compliance Rate Base, designated as the overall all rate of return [cost of short term debt, long term debt, preferred stock, and common equity]
 - c) Where DR is the Debt Rate [cost of short term debt, and long term debt]
 - d) Where TR is the Composite Federal and State Income Tax Rate.
 - e) Where OE is the Operating Expenses [Depreciation and Amortization Expense, Property Taxes, Insurance Expense adjusted for the Average Month Expense already included in existing rates]. Includes operation and maintenance expense recovery authorized by the K.P.S.C. in Case Nos. 2000-439, 2002-146 and 2004-00426.
- 2) Total E(m) (sum of each approved environmental compliance plan revenue requirement) is multiplied by the Jurisdictional Allocation Factor to arrive at Net Jurisdictional E(m)
- 3) The revenue R(m) is the average monthly revenue, including base revenues and automatic adjustment clause revenues less Environmental Cost Recovery Surcharge revenues, for the Company for the 12 months ending with the current expense month.
- 4) Current expense month (m) shall be the second month preceding the month in which the Environmental Surcharge is billed.

 Date of Issue: December 20, 2004
 Issued By
 Date Effective: With Service Rendered

 Canceling Original Sheet No. 72
 On and After July 1, 2005

 Issued July 20, 2004
 John R. McCall, Executive Vice President

 General Counsel and Secretary
 Louisville, Kentucky

 Issued By Authority of an Order of the KPSC in Case No. 2004-00426 dated:

Recovery Surcharge [Redline] Exhibit RMC-2 - Proposed KU Environmental Cost

First Revision to Original Sheet No. 72 P.S.C. No. 13



Date of Issue: December	20, 2004	Issued By	Date Effective: With	1 Service Rendered
Canceling Original Sheet	No. 72		On and After July 1	, 2005
Issued July 20, 2004	John R. McCall,	Executive Vice Presi	dent	
	General	Counsel and Secreta	ry	
	Louisvill	le, Kentucky		
Issued By A	Authority of an Order of	of the KPSC in Case N	lo. 2004-00426 dated	•

Surcharge Monthly Reports Exhibit RMC-3 - Current KU Environmental

Exhibit RMC-3 Page 1 of 9

ES Form 1.0

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KENTUCKY UTILITIES COMPANY ENVIRONMENTAL SURCHARGE REPORT

Calculation of Monthly Billed Environmental Surcharge Factor - MESF For the Expense Month of

MESF = CESF - BESF

Where:

CESF	=	Current Period Jurisdictional Environmental Surcharge Factor
BESF	=	Base Period Jurisdictional Environmental Surcharge Factor

Calculation of MESF:

CESF, from ES Form 1.1	=	
BESF, from Case No. 2003-00434	=	0.30%

MESF

Effective Date for Billing:

Submitted by:

Title: Manager, Rates

Date Submitted:

Exhibit RMC-3 Page 2 of 9

ES Form 1.00

KENTUCKY UTILITIES COMPANY ENVIRONMENTAL SURCHARGE REPORT Calculation of Total E(m) and Jurisdictional Surcharge Billing Factor For the Expense Month of

Calculation of Total E(m)

Total E(m) = 1994E(m) + 2001E(m)

RB ROR	=) (ROR)] + OE - BAS, where Environmental Compliance Rate Base for the 1994 Plan Rate of Return on the 1994 Plan Rate Base
OE	=	Pollution Control Operating Expenses for the 1994 Plan
BAS	Ξ	Gross Proceeds from By-Product and Allowance Sales
Post-1994E(m) =	[(R8	3 / 12) (ROR+(ROR -DR)(TR/(1-TR)))] + OE, where
RB	=	Environmental Compliance Rate Base for the 2001 Plan
ROR	=	Rate of Return on the 2001 Plan Rate Base
DR	Ŧ	Debt Rate (both short-term and long-term debt)
TR	=	Composite Federal & State Income Tax Rate
OE	=	Pollution Control Operating Expenses for the 2001 Plan

		1994 Plan	Post-1994 Plan
RB	=		
RB / 12	=		
ROR [1994 Plan]	=		
(ROR + (ROR - DR) (TR / (1 - TR))) [2001 Plan]	=		11.48%
OE	=		
BAS	=		
1994E(m)	=		
Post-1994E(m)	=		
Total E(m) = 1994E(m) + Post-1994E(m)	=		

Calculation of Jurisdictional Environmental Surcharge Billing Factor

Jurisdictional Allocation Ratio for Expense Month Jurisdictional E(m) = Total E(m) x Jurisdictional Allocation Ratio Adjustment for Monthly True-up (from Form 2.0) Prior Month Adjustment (if necessary) Final Adjustment and True-up for Over Recovery per Commission Order 2003-00068	= = = =
Net Jurisdictional E(m) = Jurisdictional E(m) minus Adjustment for Over/(Under) Recovery Jurisdictional R(m) = Average Monthly Jurisdictional Revenue for the 12	=
Months Ending with the Current Expense Month Jurisdictional Environmental Surcharge Billing Factor: Net Jurisdictional E(m) / Jurisdictional R(m); as a % of Revenue	=

ES FORM 2.00

KENTUCKY UTILITIES COMPANY ENVIRONMENTAL SURCHARGE REPORT

Revenue Requirements of Environmental Compliance Costs

For the Expense Month of

Determination of Environmental Compliance Rate Base

	1994	1994 Plan		994 Plan
Eligible Pollution Control Plant				
Eligible Pollution CWIP Excluding AFUDC			· · · · · · · · · · · · · · · · · · ·	
Subtotal				
Additions:				
Inventory - Spare Parts				
Inventory - Limestone				
Inventory - Emission Allowances per Form 2.30				
less Allowance Inventory baseline			\$69,415	
Net Emission Allowance Inventory				
Cash Working Capital Allowance				
Subtotal				
Deductions:				
Accumulated Depreciation on Eligible Pollution Control Plant				
Pollution Control Deferred Income Taxes				
Pollution Control Deferred Investment Tax Credit		and the second sec		
Subtotal				
Environmental Compliance Rate Base	- 10			

Determination of Pollution Control Operating Expenses

	1994 Plan	Post-1994 Plan
Monthly Operations & Maintenance Expense (Incremental for 1994)		
Monthly Depreciation & Amortization Expense		
Monthly Taxes Other Than Income Taxes		
Monthly Insurance Expense		
Monthly Emission Allowance Expense		
Monthly Surcharge Consultant Fee		· · ·
Total Pollution Control Operating Expense		

Gross Proceeds From By-Product and Allowance Sales (1994 Plan Only)

Allocated	Allowances	Allowances	Total Proceeds	Proceeds from
Allowances	from	from	from Allowance	By-Products
from EPA	Over-Control	Purchases	Sales	Sales

True-up Adjustment: Over/Under Recovery of Monthly Surcharge Due to Timing Differences

MESF for Expense Month	
Net Jurisdictional E(m) for Expense Month	
Environmental Surcharge Revenue, current month (from Form 3.00)	
Environmental Surcharge Revenue recovered through base rates (Base Revenues, Form 3.0 * 2.685%)	
Over/(Under) Recovery due to Timing Differences (D - C)	
Over-recoveries will be deducted from the Jurisdictional E(m); under-recoveries will be added to the Jurisdictional E(n	ר)

Exhibit RMC-3 Page 4 of 9 ES FORM 2.11

KENTUCKY UTILITIES COM PANY ENVIRONM ENTAL SURCHARGE REPORT Plant, CWIP & Depreciation Expense - Post-1994 Plan

For the Month Ended

(1)	(2)	(3)	(4)	(5)	(9)	(1)	(8)	(6)
Description	Eligible Plant In Service	Eligible Accumulated Depreciation	CWIP Amount Excluding	Eligible Net Plant In Service	Unamortized ITC	Deferred Tax Balance	Monthly Depreciation Exnense	Monthly Property Tax Expense
		L'APICCIARION	AFUDC		as of xx/dd/yy	as of xx/dd/yy		Activity
				(2)-(3)+(4)				
2001 Plan: Project 16 - KU Nox modifications Project 17 - KU Nox SCR's								
Less Retirements and Replacement resulting from implementation of 2001 Plan								
Subtotal								
2003 Plan: Project 18 - Ghent Ash Pond Dike Elevation								
Less Retirements and Replacement resulting from implementation of 2001 Plan								
Subtotal								
TOTAL								

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Exhibit RMC-3 Page 4 of 9 Exhibit RMC-3 Page 5 of 9 ES FORM 2.30

ENVIRONMENTAL SURCHARGE REPORT Inventory of Emission Allowances KENTUCKY UTILITIES COMPANY

For the Expense Month of

Current Month		lance Inventory Balance Comments and Explanations																					
	Prior Month Allowance																						
	Allowance Inventory in	Base Rates																					
	Current Month	Allowances																					
· · · · · · · · · · · · · · · · · · ·	Prior Month	Allowances																					
		Vintage Year	Current Year	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 - 2033

In the "Comments and Explanation" Column, describe any allowance inventory adjustment other than the assignment of allowances by EPA. Inventory adjustments include, but are not limited to, purchases, allowances acquired as part of other purchases, and the sale of allowances.

r Vinta ot Voa Ĉ othiv i te of Mor Determiniation

Determiniation of Monthly Usage Current Year Vintage		
Monthly Allowance Expense ([current month usage] * \$36.49)	Ф	
12 Monthly Ended September 30, 2003 Allowance Expense in Base Rates	ф	58,345.76
One Tweifth (1/12) of 12 Months Ended September 30, 2003 Allowance Expense in Base Rat \$	t S	4,862.15
Monthly Expense included in ECR formula	Ф	•

Exhibit RMC-3 Page 6 of 9 ES FORM 2.40

KENTUCKY UTILITIES COMPANY ENVIRONMENTAL SURCHARGE REPORT O&M Expenses and Determination of Cash Working Capital Allowance

For the Month Ended

1994 Plan		2001 Plan	
Incremental O&M Expenses	Amount	NOx O&M Expenses	Amount
11th Previous Month		11th Previous Month	
10th Previous Month		10th Previous Month	
9th Previous Month		9th Previous Month	
8th Previous Month		8th Previous Month	
7th Previous Month		7th Previous Month	
6th Previous Month		6th Previous Month	
5th Previous Month		5th Previous Month	
4th Previous Month		4th Previous Month	
3rd Previous Month		3rd Previous Month	
2nd Previous Month		2nd Previous Month	
Previous Month		Previous Month	
Current Month		Current Month	
Total 12 Month O&M		Total 12 Month O&M	
Less Baseline			
(12 Months End 05/31/94)	0.00		
12 Months Incremental O&M			
Monthly Incremental O&M			

Determinatio	n of Working Capital Allowance
12 Months Incrementral	Total 12 Months
O&M Expenses	O&M Expenses
One Eighth (1/8) of 12 Month	One Eighth (1/8) of 12 Month
Incremental O&M Expenses	Incremental O&M Expenses
Pollution Control Cash Working	Pollution Control Cash Working
Capital Allowance - 1994 Plan	Capital Allowance - 2001 Plan

ES FORM 2.50

Exhibit RMC-3 Page 7 of 9

ENVIRONMENTAL SURCHARGE REPORT Pollution Control - Operations & Maintenance Expenses For the Month Ended **KENTUCKY UTILITIES COMPANY**

		Green	E. W.		
O&M Expense Account	Tyrone	River	Brown	Ghent	Total
1994 Plan					
502006 - Scrubber Operation					
506001 - CEMS & Precipitators Operation					
512005 - Scrubber Maintenance					
512011 - CEMS & Precipitators Maintenance					
512017 - Ash Handling - Maintenance					
Total 1994 Plan O&M Expenses		:			
2001 Plan					
506105 - NOx Operation					
512101 - NOx Maintenance					

506105 - NOX Operation	512101 - NOx Maintenance	Total 2001 Plan O&M Expenses	

Page 7 of 9 **Exhibit RMC-3**

Exhibit RMC-3 Page 8 of 9 ES FORM 3.00

KENTUCKY UTILITIES COMPANY ENVIRONMENTAL SURCHARGE REPORT Monthly Average Revenue Computation of R (m)

For the Month Ended

		Kentı	Kentucky Jurisdictional Revenues	evenues		Non- Jurisdictional Revenues	Total Comp	Total Company Revenues
(1)	(2)	(3)	(4)	(5)	(9)	(1)	(8)	(6)
Month	Base Rate Revenues	Fuel Clause Revenues	Environmental Surcharge Revenues	Total	Total Excluding Environmental Surcharge	Total Including Off-System Sales	Total	Total Excluding Environmental Surcharge
				(2) +(3) +(4)	(5)-(4)	(See Note 1)	(5) +(7)	(8)-(4)
Sep-03		a de la constante de la constan						
Oct-03								
Nov-03								
Dec-03								
Jan-04								
Feb-04								
Mar-04								
Apr-04								
May-04								
Jun-04								
Jul-04								
Aug-04								
Average N	Monthly Jurisdictiona	Average Monthly Jurisdictional Revenues, Excluding Environmental Surcharge,	ig Environmental Sui	rcharge,				
for 12 Mo	for 12 Months Ending Current Expense Month.	Expense Month.						
Jurisdictio	onal Allocation Perce	intage for Current Mi	onth (Environmental	Jurisdictional Allocation Percentage for Current Month (Environmental Surcharge Excluded from Calculations):	from Calculations):		•	
Expense N	Month Kentucky Juri	Expense Month Kentucky Jurisdictional Revenues Divided	Divided by Expense N	Month Total Company	by Expense Month Total Company Revenues: Column (6) / Column (9) =	() / Column (9) =		
						Note 1 - Excludes Brokered Sales,	s Brokered Sales,	
						Total	Total for Current Month =	

Exhibit RMC-3 Page 8 of 9

Exhibit RMC-3 Page 9 of 9

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-

For the Month Ended

Description

KENTUCKY UTILITIES COMPANY ENVIRONMENTAL SURCHARGE REPORT

Reconciliation of Reported Revenues

Revenues per Income Statement

Revenues per ES Form 3.0

Exhibit RMC-3 ES FORM 3.10 Page 9 of 9

i.

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Surcharge Monthly Reports Exhibit RMC-4 – Proposed KU Environmental

Exhibit RMC-4 Page 1 of 10

ES Form 1.0

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KENTUCKY UTILITIES COMPANY ENVIRONMENTAL SURCHARGE REPORT

Calculation of Monthly Billed Environmental Surcharge Factor - MESF For the Expense Month of

MESF = CESF - BESF

Where:

CESF	=	Current Period Jurisdictional Environmental Surcharge Factor
BESF	=	Base Period Jurisdictional Environmental Surcharge Factor

Calculation of MESF:

CESF, from ES Form 1.1		
BESF, from Case No. 2003-00434	=	0.30%

MESF

Effective Date for Billing:

Submitted by:

Title: Manager, Rates

Date Submitted:

Exhibit RMC-4 Page 2 of 10

ES Form 1.00

KENTUCKY UTILITIES COMPANY ENVIRONMENTAL SURCHARGE REPORT Calculation of E(m) and Jurisdictional Surcharge Billing Factor

For the Expense Month of

Calculation of E(m)

E(m) = [(RB / 12	2) (RO	R+(ROR -DR)(TR/(1-TR)))] + OE, where
RB	Ξ	Environmental Compliance Rate Base

- Rate of Return on the Environmental Compliance Rate Base
 Debt Rate (both short-term and long-term debt) ROR
- DR
- TR = Composite Federal & State Income Tax Rate
- OE = Pollution Control Operating Expenses

		Environmental Compliance Plans
RB RB / 12 (ROR + (ROR - DR) (TR / (1 - TR))) OE BAS	= = = =	11.48%
E(m)	=	

Calculation of Jurisdictional Environmental Surcharge Billing Factor

Jurisdictional Allocation Ratio for Expense Month Jurisdictional E(m) = E(m) x Jurisdictional Allocation Ratio Adjustment for Monthly True-up (from Form 2.0) Prior Month Adjustment (if necessary) Net Jurisdictional E(m) = Jurisdictional E(m) minus Adjustment for Over/(Under) Recovery	= = = =
Jurisdictional R(m) = Average Monthly Jurisdictional Revenue for the 12 Months Ending with the Current Expense Month	=
Jurisdictional Environmental Surcharge Billing Factor: Net Jurisdictional E(m) / Jurisdictional R(m) ; as a % of Revenue	=

ES FORM 2.00

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KENTUCKY UTILITIES COMPANY ENVIRONMENTAL SURCHARGE REPORT Revenue Requirements of Environmental Compliance Costs

For the Expense Month of

Determination of Environmental Compliance Rate Base

	Enviromental Compli	ance Plan
Eligible Pollution Control Plant		
Eligible Pollution CWIP Excluding AFUDC		
Subtotal		
Additions:		
Inventory - Spare Parts		
Inventory - Limestone		
Inventory - Emission Allowances per Form 2.30		
Less: Allowance Inventory Baseline	69,415	
Net Emission Allowance Inventory		
Cash Working Capital Allowance		
Subtotal		
Deductions:		
Accumulated Depreciation on Eligible Pollution Control Plant		
Pollution Control Deferred Income Taxes		
Pollution Control Deferred Investment Tax Credit		
Subtotal		
Environmental Compliance Rate Base		

Determination of Pollution Control Operating Expenses

	Enviromental Compliance Plan
Monthly Operations & Maintenance Expense	
Monthly Depreciation & Amortization Expense	
Monthly Taxes Other Than Income Taxes	
Monthly Insurance Expense	
Monthly Emission Allowance Expense from Form 2.31	
Less Monthly Emission Allowance Expense in base rates (1/12 of \$58,345.76)	4,862
Net Recoverable Emission Allowance Expense	
Monthly Surcharge Consultant Fee	
Total Pollution Control Operating Expense	

Gross Proceeds From By-Product and Allowance Sales

Allocated	Allowances	Allowances	Total Proceeds	Proceeds from
Allowances	from	from	from Allowance	By-Products
from EPA	Over-Control	Purchases	Sales	Sales

True-up Adjustment: Over/Under Recovery of Monthly Surcharge Due to Timing Differences

MESF for Expense Month	
Net Jurisdictional E(m) for Expense Month	
Environmental Surcharge Revenue, current month (from Form 3.00)	
Environmental Surcharge Revenue recovered through base rates (Base Revenues, Form 3.0 * 0.30%)	
Over/(Under) Recovery due to Timing Differences (D - C)	
Over-recoveries will be deducted from the Jurisdictional E(m); under-recoveries will be added to the Jurisdictional E(m)	

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KENTUCKY UTILITIES COMPANY ENVIRONMENTAL SURCHARGE REPORT Plant, CWIP & Depreciation Expense

For the Month Ended

(1)	(2)	(3)	(4)	(2)	(9)	(2)	(8)	(6)
Description	Eligible Plant In	Eligible Accumulated	CWIP Amount	Eligible Net Plant In	Unamortized ITC	Deferred Tax Balance	Monthly Depreciation	Monthly Property Tax
	Service	Depreciation	Excluding AFUDC	Service	as of	as of	Expense	Expense
					xx/dd/yy	xx/dd/yy		
				(2)-(3)+(4)				
2001 Plan: Project 16 - KU Nox modifications Project 17 - KU Nox SCR's								
Less Retirements and Replacement resulting from implementation of 2001 Plan				der von Von Vonderstanden				
Subtotal								
2003 Plan: Project 18 - Ghent Ash Pond Dike Elevation								
Less Retirements and Replacement resulting from implementation of 2003 Plan		99.99449.000						
Subtotal								 -
2004 Plan: Project 19: Ash Handling at Ghent 1 and Ghent Station Project 20: Ash Treatment Basin Expansion at E.W. Brown Station Project 21: FGD's at all E.W. Brown Units and at Ghent 2, 3, and 4								
Less Retirements and Replacement resulting from implementation of 2004 Plan			<u></u>					
Subtotal								
TOTAL								

KENTUCKY UTILITIES COMPANY ENVIRONMENTAL SURCHARGE REPORT Inventory of Emission Allowances

For the Expense Month of

		Total Dollar Value of	
Vintage Year	Number of Allowances	Vintage Year	Comments and Explanations
Current Year			
2005			
2006			
2007			
2008			
2009			
2010			
2011			
2012			
2013			
2014			
2015			
2016			
2017			
2018		***************************************	
2019			
2020			
2021	1		
2022			
2023			
2024 - 2033			

In the "Comments and Explanation" Column, describe any allowance inventory adjustment other than the assignment of allowances by EPA. Inventory adjustments include, but are not limited to, purchases, allowances acquired as part of other purchases, and the sale of allowances.

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KENTUCKY UTILITIES COMPANY ENVIRONMENTAL SURCHARGE REPORT Inventory of Emission Allowances - Current Vintage Year

For the Month Ended

-			Utilized	-	Ending	Allocation, Purchase, or	
Inventory I	Purchases (S	(Steam Power)	(Other Power Generation)	Sold In	Inventory	Sale Date & Vintage Years	
TOTAL EMISSION ALLOWANCES IN INVENTORY, ALL CLASSIFICATIONS	ALL CLASSIFIC	CATIONS					
Quantity							T
Dollars							Γ
S/Allowance							
ALLOCATED ALLOWANCES FROM EPA: STEAM vs OTHER	s OTHER						
Quantity				-			
Dollars							
ALLOWANCES FROM PURCHASES:							
From Market:							<u> </u>
Quantity							T
Dollars							Τ
							Γ
From LG&E:							
Quantity							Ι
Dollars							T
Cantor-Fitzgerald Market Price for SO2 emission allowances at [date]: [\$ amount]	ces at [date]: [\$ ai	nount]					

Emission Allowance Expense for Other Power Generation is excluded from expense reported on Form 2.00 for recovery through the monthly billing factor.

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KENTUCKY UTILITIES COMPANY ENVIRONMENTAL SURCHARGE REPORT O&M Expenses and Determination of Cash Working Capital Allowance

en Expenses and Determination of Cash working Capital Allowa

For the Month Ended

Environmental Complia	nce Plan
NOx O&M Expenses	Amount
11th Previous Month	
10th Previous Month	
9th Previous Month	
8th Previous Month	
7th Previous Month	
6th Previous Month	
5th Previous Month	
4th Previous Month	
3rd Previous Month	
2nd Previous Month	
Previous Month	
Current Month	
Total 12 Month O&M	

Determination of Working Cap	ital Allowance
12 Months O&M Expenses	
One Eighth (1/8) of 12 Month O&M Expenses	
Pollution Control Cash Working Capital Allowance	

ES FORM 2.50

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KENTUCKY UTILITIES COMPANY ENVIRONMENTAL SURCHARGE REPORT

Pollution Control - Operations & Maintenance Expenses For the Month Ended

	E. W.		
O&M Expense Account	Brown	Ghent	Total
2001 Plan			
506105 - NOx Operation			
512101 - NOx Maintenance			
Total 2001 Plan O&M Expenses			
2004 Plan			
502006-Scrubber Operations			
512005-Scrubber Maintenance			
Total 2004 Plan O&M Expenses			

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KENTUCKY UTILITIES COMPANY ENVIRONMENTAL SURCHARGE REPORT Monthly Average Revenue Computation of R (m)

For the Month Ended

		Kentu	Kentucky Jurisdictional Revenues	evenues		Non- Jurisdictional Revenues	Total Compa	Total Company Revenues
(1)	(2)	(3)	(4)	(5)	(9)	(1)	(8)	(6)
Month	Base Rate Revenues	Fuel Clause Revenues	Environmental Surcharge Revenues	Total	Total Excluding Environmental Surcharge	Total Including Off-System Sales	Total	Total Excluding Environmental Surcharge
				(2)+(3)+(4)	(5)-(4)	(See Note 1)	(2)+(7)	(8)-(4)
Sep-03								
Oct-03								
Nov-03								
Dec-03								
Jan-04								
Feb-04								
Mar-04								
Apr-04								
May-04								
Jun-04								
Jul-04								
Aug-04								
Average]	Average Monthly Jurisdictional Revenues, Excl for 12 Months Ending Current Expense Month	Average Monthly Jurisdictional Revenues, Excluding Environmental Surcharge, for 13 Months Ending Current Expanse Month	g Environmental Sur	charge,				
Inrisdicti	onal Allocation Perce	ntage for Current Mc	onth (Fnvironmental	rous de tromme datante datant depende monta. Intisclictional Allocation Percentage for Current Month (Environmental Surcharge Excluded from Calculations):	rom Calculatione).			
Expense]	Month Kentucky Juris	sdictional Revenues L	Divided by Expense N	Aonth Total Company	Expense Month Kentucky Jurisdictional Revenues Divided by Expense Month Total Company Revenues: Column (6) / Column (9) =) / Column (9) =		
						Note 1 - Excludes Brokered Sales,	Brokered Sales,	
						Total f	Total for Current Month =	

ES FORM 3.10

KENTUCKY UTILITIES COMPANY ENVIRONMENTAL SURCHARGE REPORT Reconciliation of Reported Revenues

For the Month Ended

Description	Revenues per	Revenues per
·	ES Form 3.0	Income Statement
		-
Kentucky Retail Revenues		
Base Rates		1
Fuel Adjustment Clause		
Environmental Surcharge		
CSR Credits		
Total Kentucky Jurisdictional Revenues for Environmental Surcharge Purposes =		
Non -Jurisdictional Revenues		
Tennessee Retail		
Virginia Retail		
Wholesale		
InterSystem (Total Less Transmission Portion Booked in Account 447)		
Pitcairn, PA		
Total Non-Jurisdictional Revenues for Environmental Surcharge Purposes =		
Total Company Revenues for Environmental Surcharge Purposes =		
Reconciling Revenues		
Brokered		
InterSystem (Transmission Portion Booked in Account 447)		
Unbilled		
Provision for Refund		
Monthly Merger Surcredit Settlement Amortization		
Miscellaneous		
Total Company Revenues per Income Statement =		