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PUBLIC SERVICE COMMISSION

Louisville Gas and Electric Company State Regulation and Rates 220 West Main Street PO Box 32010 Louisville, Kentucky 40232 www.eon-us.com

Robert M. Conroy Director - Rates T 502-627-3324 F 502-627-3213 robert.conroy@eon-us.com

an **@.ovn** company

Stephanie Stumbo, Executive Director Public Service Commission of Kentucky 211 Sower Boulevard P. O. Box 615 Frankfort, Kentucky 40602

August 22, 2008

RE: Monthly Environmental Surcharge Report

Dear Ms. Stumbo:

Pursuant to KRS 278.183(3), Louisville Gas and Electric Company ("LG&E") files the original and three copies of its Environmental Surcharge Report for the month of July 2008. In accordance with the Commission's Order in the Environmental Surcharge cases, most recently Case No. 2007-00380, LG&E has included the calculation and supporting documentation of the Environmental Surcharge Factor that will be billed for service on and after September 3, 2008.

Please contact me if you have any questions about this filing.

Sincerely,

Robert M. Conroy

Enclosures

Calculation of Monthly Billed Environmental Surcharge Factor - MESF For the Expense Month of July 2008

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 1.10		3.77%
BESF, from Case No. 2007-00380	-	3.62%
MESF	*****	0.15%

Effective Date for Billing: September billing cycle beginning September 3, 2008

Submitted by: *

Title: Director, Rates

Date Submitted: August 22, 2008

Calculation of Total E(m) and Jurisdictional Surcharge Billing Factor

For the Expense Month of July 2008

Calculation of Total E(m)

E(m) = [(RB / 12) (ROR+(ROR -DR)(TR/(1-TR)))] + OE - BAS. where

RB = Environmental Compliance Rate Base

ROR = Rate of Return on the Environmental Compliance Rate Base

DR = Debt Rate (both short-term and long-term debt)

TR = Composite Federal & State Income Tax Rate

OE = Pollution Control Operating Expenses

BAS = Total Proceeds from By-Product and Allowance Sales

		Environment	Environmental Compliance Plans				
RB	=	\$	239,210.977				
RB / 12	=		19.934.248				
(ROR + (ROR - DR) (TR / (1 - TR)))	22		11 14%				
OE	***		1,404,689				
BAS			•				
E(m)	100	S	3.625.364				

Calculation of Jurisdictional Environmental Surcharge Billing Factor

Jurisdictional Allocation Ratio for Expense Month	=		83.09%
Jurisdictional E(m) = E(m) x Jurisdictional Allocation Ratio	æ	S	3,012.315
Adjustment for Monthly True-up (from Form 2 00)	=		(526.599)
Adjustment for Under-collection pursuant to Case No 2007-00380	=		
Prior Period Adjustment (if necessary)	==		•
Net Jurisdictional E(m) = Jurisdictional E(m) minus Adjustment for Monthly True-up			
plus/minus Prior Period Adjustment	==	\$	2.485,716
Jurisdictional R(m) = Average Monthly Jurisdictional Revenue for the 12			
Months Ending with the Current Expense Month	22	S	65.967.443
Jurisdictional Environmental Surcharge Billing Factor:			
Net Jurisdictional E(m) / Jurisdictional R(m); as a % of Revenue	=		3 77%

Revenue Requirements of Environmental Compliance Costs For the Expense Month of July 2008

Determination of Environmental Compliance Rate Base

		Enviromental	Comp	liance Plan
Eligible Pollution Control Plant	S	239,578,300		
Eligible Pollution CWIP Excluding AFUDC		34,340,967		
Subtotal			\$	273,919,267
Additions:				
Inventory - Emission Allowances per ES Form 2.31, 2.32 and 2.33				
Cash Working Capital Allowance		581,419		
Deferred Debit Balance Mill Creek Ash Dredging		3,600,894		
Subtotal				4,182,313
Deductions:				
Accumulated Depreciation on Eligible Pollution Control Plant		26,421,064		
Pollution Control Deferred Income Taxes		12,469,539		
Subtotal				38,890,603
Environmental Compliance Rate Base			S	239,210,977

Determination of Pollution Control Operating Expenses

	Enviromental Compliance Plan
Monthly Operations & Maintenance Expense	\$ 596,635
Monthly Depreciation & Amortization Expense	607,510
less investment tax credit amortization	
Monthly Property and Other Applicable Taxes	29,073
Monthly Insurance Expense	M
Monthly Emission Allowance Expense from ES Form 2.31, 2.32 and 2.33	-
Monthly Permitting Fees	
Amortization of Monthly Mill Creek Ash Dredging	171,471
Less: Operating Expenses Associated with Retirements or Replacements	
Occuring Since Last Roll-In of Surcharge into Existing Rates	
Total Pollution Control Operations Expense	\$ 1,404,689

Proceeds From By-Product and Allowance Sales

		Total
	Pro	oceeds
Allowance Sales	\$	-
Scrubber By-Products Sales		
Total Proceeds from Sales	\$	_

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

A. MESF for two months prior to Expense Month	1.48%
B. Net Jurisdictional E(m) for two months prior to Expense Month	3,369,620
C. Environmental Surcharge Revenue, current month (from ES Form 3.00)	1,160,679
D. Retail E(m) recovered through base rates (Base Revenues, ES Form 3.00 times 3.62%)	2,735,540
E. Over/(Under) Recovery due to Timing Differences ((D + C) - B)	526,599
Over-recoveries will be deducted from the Jurisdictional E(m); under-recoveries will be added to the Jurisdictional E(m)	

Plant, CWIP & Depreciation Expense

(1)		(2)		(3)		(4)		(5)	(6)	(7)		(8)	Ţ	(9)
Description		Eligible Plant In Service		Eligible Accumulated Deprectation		CWIP Amount Excluding AFUDC		Eligible Net Plant In Service	Deferred Tax Balance as of 7/31/2008	Monthly ITC Amortization Credit	D	Monthly epreciation Expense	!	Monthly Property Tax Expense
	İ							(2)-(3)+(4)			<u> </u>		1	
2001 Plan: Project 6 - LGE NOx	\$	192,860,844	\$	25,165,614	\$	`	s	167,695,230	\$ 11,640,379		S	450,398	\$	21,356
Subtotal Less Retirements and Replacement resulting from implementation of 2001 Plan		192,860,844 (5,850,967)		25,165,614 (2,914,284)			s	167,695,230 (2,936,683)	11,640,379 (1,053,265			450,398 (13,202)		21,356 (339
Net Total - 2001 Plan:	S	187,009,877	5	22,251,330	S		<u>I</u>	164,758,547	l S 10,587,11-		 5	437,196	S	21,017
2003 Plan: Project 7 - Mill Creek FGD Scrubber Conversion Project 8 - Precipitator Upgrades - All Plants Project 9 - Clearwell Water System - Mill Creek Project 10 - SO ₂ Absorber Trays - Mill Creek 3 & 4	\$	30,861,686 11,929,133 1,197,310 2,734,621	S	6,881,795 1,848,683 330,128 977,717	\$		\$	23,979,891 10,080,450 867,182 1,756,904	\$ 877,072 865,978 24,140 72,680		5	115,079 28,278 5,368 11,303	\$	3,098 1,285 113 230
Subtotal Less Retirements and Replacement resulting from implementation of 2003 Plan	\$	46,722,750 (7,839,520)		10,038,323 (6,665,433)	5		S	36,684,427 (1,174,087)			S	160,028 (27,126)		4,726 (387
Net Total - 2003 Plan:	S	38,883,230	5	3,372,890	S		S	35,510,340	S 1,043,829		S	132,902	\$	4,339
2005 Plan: Project 11 - Special Waste Landfill Expansion at Mill Creek Project 12 - Special Waste Landfill Expansion at Cane Run Station Project 13 - Scrubber Refurbishment at Trimble County Unit 1 Project 14 - Scrubber Refurbishment at Cane Run Unit 6 Project 15 - Scrubber Refurbishment at Cane Run Unit 5 Project 16 - Scrubber Improvements at Trimble County Unit 1 Subtotal	s	2,282,981 2,988,137 855,968 308,507 7,361,078		196,370 118,183 18,564 15,067 615,104		773,792 469,660 (5,868))	3,339,614 831,536 293,440 6,745,974	109,50- 22,409 24,589 578,499		5	5,568 7,022 2,475 560 21,286		362 397 114 37 862
Less Retirements and Replacement resulting from implementation of 2005 Plan		(672,468)		(212,475)		ay.		(459,994)	(57,610)		(1,879)	<u> </u>	(58
Net Total - 2005 Plan:	5	13,124,203	\$	750,813	S	1,237,584	S	13,610,974	5 790,758		S	35.032	S	1,714

Plant, CWIP & Depreciation Expense

(1)	(2)		(3)	Τ	(4)		(5)	((5)	(7)		(8)	(9))
Description	Eligib Plant I Service	n	Eligible Accumulated Depreciation	***************************************	CWIP Amount Excluding AFUDC		Eligible Net Plant în Service	Tax B	erred alance of 2008	Monthly ITC Amortization Credit	De	Monthly preciation Expense	Proper	othly ty Tax ense
	<u> </u>			_			(2)-(3)+(4)	1						
2006 Plan: Project 18 - TC2 AQCS Equipment Project 19 - Sorbent Injection Project 20 - Mercury Mointors Project 21 - Mill Creek Opacity and Particulate Monitors	1	- - 53,842 97,148	\$ 16,21 29,81		30,220,306 2,685,430 197,646	S	30,220,306 2,685,430 345,271 367,335		6,131 41,708		s	1,495 884		1,728 209 20 47
Subtotal Less Retirements and Replacement resulting from implementation of 2006 Plan	S 5	60,990	S 46,03	0 S	33,103,383	\$	33,618,343	S	47,838		S	2,379	S	2,004
Net Total - 2006 Plan:	\$ 5	60,990	S 46,03	0 5	33,103,383	S	33,618,343	S	47,838		S	2,379	S	2,004
Net Total - All Plans:	S 239.5	78,300	\$ 26,421,06	4 S	34,340,967	Ş	247,498,203	S 1:	,469,539		S	607,510	S	29,073

Inventory of Emission Allowances

For the Month Ended: July 31, 2008

Vintage Year	Nur	nber of Allowan	ces	То	tal Dollar Value Of Vintag	ge Year	Comments and Explanations
	SO ₂	NOx	NOx	SO ₂	NOx	NOx	
		Annual	Ozone Season		Annual	Ozone Season	
Current Year	171,132	-	5,089	\$ 10,003.99	S -	S -	Vintage 2038 allowances were issued by the EPA in July 2008
2009	64,864		-				
2010	62,379						
2011	62,379						
2012	62,379						
2013	62,379						
2014	62,379						
2015	62,379						
2016	62,379						
2017	62,379						
2018	62,379						
2019	62,379						
2020	62,379						
2021	62,379						
2022	62,379						
2023	62,379						
2024	62,379						
2025	62,379	•					
2026	62,379						
2027	62,379						
2028 - 2038	686,169						

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.

Inventory of Emission Allowances (SO2) - Current Vintage Year

For the Expense Month of July 2008

	Beginning	Allocations/	Utilized	Utilized		Ending	Allocation, Purchase, or
	inventory	Purchases	(Coal Fuel)	(Other Fuels)	Sold	Inventory	Sale Date & Vintage Years
						···	
TOTAL EMISSIC	N ALLOWANCES	S IN INVENTORY	, ALL CLASSIFIC	ATIONS			
Quantity	174,672	0	3,540	0	0	171,132	
Dollars	S 10,216.39	\$ -	\$ 212.40	\$ -	S -	\$ 10,003.99	
\$/Allowance	\$ 0.06	S -	S 0.06	5 -	S -	\$ 0.06	
ALLOCATED AL	LOWANCES FRO	M EPA: COAL F	UEL				
Quantity	165,511	0	3,504	0			
Dollars	\$ 9,653.95	S -	S 210.27	\$ -	S -	\$ 9,443.68	
ALLOCATED AL	LOWANCES FRO	M EPA: OTHER					
Quantity	9,161	. 0	36		<u> </u>		
Dollars	\$ 562.44	\$ -	\$ 2.13	\$ -	\$ -	\$ 560.31	
ALLOWANCES F	ROM PURCHASI	ES:					•
From Market:					<u> </u>		
Quantity	0	0	0	0	0	0	
Dollars	5 -	S -	S -	5 -	\$ -	S -	
\$/Allowance	S -	S .	S -	S -	S -	-	
					·	70.00	1
From KU							
Quantity	0	0	0	0	0	0	
Dollars		S -	\$ -	S -	S -	S .	
S/Allowance	\$ -	\$ -	S -	S -	S .	S -	

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

Inventory of Emission Allowances (NOx) - Ozone Season Allowance Allocation

For the Expense Month of July 2008

	Beginning	Allocations/	Utilized	Utilized		Ending	Allocation, Purchase, or
	Inventory	Purchases	(Coal Fuel)	(Other Fuels)	Sold	Inventory	Sale Date & Vintage Years
					·		
TOTAL EMISSIC	N ALLOWANCES	S IN INVENTORY	, ALL CLASSIFIC	ATIONS			
Quantity	6,356	0	1,267	. 0	0	5,089	
Dollars	S -	S -	S -	S -	S -	S -	
S/Allowance	S -	S -	S -	5 -	S -	\$ -	
ALLOCATED AI	LOWANCES FRO	M EPA: COAL F	UEL				
Quantity	5,871	-	1,255	-	-	4,616	
Dollars	S -	\$ -	S	S -	S -	-	
		1210				-	
ALLOCATED AI	LOWANCES FRO	M EPA: OTHER	FUELS				
Quantity	485	0	12	0	0	473	
Dollars	S -	S -	S -	S -	S -	S -	
ALLOWANCES I	ROM PURCHASI	ES:					
From Market:							
Quantity	0	0	0	0	0	0	
Dollars	\$ -	S -	S -	s -	S -	\$ -	
S/Allowance	S -	Ş -	s -	S -	S -	S -	
From KU:							
Quantity	0	0	0	0	0	0	
Dollars	S -	S -	S -	S -	S -	S -	
\$/Allowance	S -	3 -	5 -	s .	S -	S -	

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

Inventory of Emission Allowances (NOx) - Annual Allowance Allocation

For the Expense Month of July 2008

	Beginning	Allocations/	Utilized	Utilized		Ending	Allocation, Purchase, or				
	Inventory	Purchases	(Coal Fuel)	(Other Fuels)	Sold	Inventory	Sale Date & Vintage Years				
TOTAL EMISSION ALLOWANCES IN INVENTORY, ALL CLASSIFICATIONS											
Quantity	0	0	0	0	0	0					
Dollars	\$ -	<u>s</u> -	S -	S -	S -	S -					
S/Allowance	S -	S -	S -	S -	5 -	S -					
ALLOCATED ALLOWANCES FROM EPA: COAL FUEL											
Quantity				-	•	0					
Dollars	S .	<u> </u>	S -	S -	S -	-					
ALLOCATED AL			~{~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		·						
Quantity	0	0	0	0	0	0					
Dollars	S -	<u> </u>	S -	s -	S -	<u> </u>					
		<u> </u>									
ALLOWANCES F	ROM PURCHAS	ES:	*		T		· · · · · · · · · · · · · · · · · · ·				
From Market:											
Quantity	0		0	0	0	0					
Dollars	\$ -	<u>s</u> -	<u>s</u> -	\$ -	\$ -	<u>s</u> -					
S/Allowance	\$ -	<u> - </u>	S -	<u>s</u> -	\$ -	S -					
	,	·	T	ı	T	y					
From KU:											
Quantity	0	1	0	0	0	0					
Dollars	<u> </u>	<u> </u>	<u>s</u> -	S -	\$ -	<u> </u>					
S/Allowance	S +	S -	\$ -	5 -	S -	S -					

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

O&M Expenses and Determination of Cash Working Capital Allowance

Environmental Cor	npliance Plan	
O&M Expenses		Amount
11th Previous Month	\$	353,650
10th Previous Month		399,170
9th Previous Month		159,856
8th Previous Month		158,527
7th Previous Month		230,990
6th Previous Month		208,034
5th Previous Month		205,907
4th Previous Month		244,679
3rd Previous Month		418,847
2nd Previous Month		683,751
Previous Month		819,835
Current Month		768,106
Total 12 Month O&M	\$	4,651,352

Determination of Working Capital Allowance								
12 Months O&M Expenses	\$		4,651,352					
One Eighth (1/8) of 12 Month O&M Expenses		1/8						
Pollution Control Cash Working Capital Allowance	\$		581,419					

Pollution Control - Operations & Maintenance Expenses For the Month Ended: July 31, 2008

O&M Expense Account	Cane Run	Mill Creek	Trimble County	Total
2001 Plan				
506104 - NOx Operation Consumables		249,167	75,760	\$ 324,927
506105 - NOx Operation Labor and Other		3,238	7,489	10,727
512101 - NOx Maintenance		82,124	1,367	83,491
Total 2001 Plan O&M Expenses		\$ 334,529	\$ 84,617	\$ 419,146
2005 Plan				
502006-Scrubber Operations			36,881	36,881
512005-Scrubber Maintenance			-	
Ashpond Dredging Expense		171,471		171,471
Total 2005 Plan O&M Expenses		\$ 171,471	\$ 36,881	\$ 208,353
2006 Plan				
506109 - Sorbent Injection Operation		_	140,608	140,608
512102 - Sorbent Injection Maintenance		-	-	-
506110 - Mercury Monitors Operation	_	_	-	*
512103 - Mercury Monitors Maintenance	-		-	-
Total 2006 Plan O&M Expenses	\$ -	\$ -	\$ 140,608	\$ 140,608
Current Month O&M Expense for All Plans		\$ 506,000	\$ 262,106	\$ 768,106

Monthly Average Revenue Computation of R (m)

	Kentucky Jurisdictional Revenues								Non- Jurisdictional Total Com Revenues	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Month	Base Rate Revenues	Fuel Clause Revenues	DSM Revenues	STOD Program Cost Recovery Factor Revenues	Environmental Surcharge Revenues	Total (2)+(3)+(4)+(5)+(6)	Total Excluding Environmental Surcharge (7)-(6)	Total Including Off-System Sales (See Note 1)	Total (7)+(9)	Total Excluding Environmental Surcharge (10)-(6)
Aug-07	77,877,161	4,386,857	509,527	36,585	941,268	S 83,751,397	S 82,810,129	S 10,423,508	\$ 94,174,905	S 93,233,637
Sep-07	77,845,147	5,859,200	507,304	38,230	597,810	84,847,692	84,249,882	7,315,821	92,163,513	91,565,703
Oct-07	58,458,491	6,137,225	349,909	32,287	384,007	65,361,919	64,977,912	13,329,725	78,691,644	78,307,637
Nov-07	49,661,083	4,253,169	267.334	27,756	489,473	54,698,815	54,209,342	10,694,459	65,393,274	64,903,801
Dec-07	55,913,128	2,565,421	312,306	23,334	805,226	59,619,415	58,814,189	18,149,162	77,768,577	76,963,351
Jan-08	62,533,034	6,116.384	373,920	25,446	1,433,665	70,482,450	69,048,785	20,067,916	90,550,366	89,116,701
Feb-08	57,958,781	5.816,109	337,668	23,580	1,913,332	65,149,469	64,136,137	11,770,651	76,920,120	75,906,788
Mar-08	56,823,153	(181,913)	320.870	23,435	44,895	57,030,440	56,985,545	17,765,119	74,795,559	74,750,664
Apr-08	52,429,719	1.817.898	260,870	22,780	424,236	54,955,504	54,531,268	12,296,562	67,252,066	66,827,830
May-08	50,387,614	1,252.884	896,649	22,228	189,132	52,748,508	52,559,376	20,330,264	73,078,772	72,889,640
Jun-08	67,289,649	1,422,646	1,272,829	26,962	1,030,406	71,042,492	70,012,086	17,816,390	86,858,882	87,828,476
jul-08	75,567,412	2,097,663	1.580.453	29,135	1,160,679	80,435,341	79,274,662	16,137,160	96,572,501	95,411,822
for 12 Months Endin	Average Monthly Jurisdictional Revenues, Excluding Environmental Surcharge, for 12 Months Ending Current Expense Month. \$ 65,967,443									
	Junsdictional Allocation Percentage for Current Month (Environmental Surcharge Excluded from Calculations): Expense Month Kentucky Jurisdictional Revenues Divided by Expense Month Total Company Revenues: Column (8) / Column (11) =								83.09%	
								Note i - Exclude	s Brokered Sales,	
								To	tal for Current Month ==	S .

Reconciliation of Reported Revenues

	-	Revenues per		Revenues per
		Form 3.00	In	come Statement
Kentucky Retail Revenues				
Base Rates (Customer Charge, Energy Charge, Demand Charge)	\$	75,567,411.60	\$	75,567,411.60
Fuel Adjustment Clause		2,097,663.04		2,097,663.04
DSM		1,580,452.85		1,580,452.85
STOD Program Cost Recovery Factor		29,135.10		29,135.10
Environmental Surcharge				1,160,678.60
Total Kentucky Jurisdictional Revenues for Environmental Surcharge Purposes =	\$	79,274,662.59		
Non -Jurisdictional Revenues				
InterSystem (Total Less Transmission Portion Booked in Account 447)		16,137,160.36		16,137,160.36
Total Non-Jurisdictional Revenues for Environmental Surcharge Purposes =	\$	16,137,160.36		
Total Company Revenues for Environmental Surcharge Purposes =	\$	95,411,822.95		
Reconciling Revenues				
Втоkered		_		*
InterSystem (Transmission Portion Booked in Account 447)				_
Unbilled				3,811,652.00
Merger Surcredit				(984,284.54)
Merger Surcredit - Non Jurisdictional				(115,178.79)
Value Delivery Surcredit				(711,044.22)
Miscellaneous				698,074.14
Total Company Revenues per Income Statement =			\$	99,271,720.14