



PPL companies

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

RECEIVED

NOV 22 2011

PUBLIC SERVICE
COMMISSION

LG&E and KU Energy LLC
State Regulation and Rates
220 West Main Street
PO Box 32010
Louisville, Kentucky 40232
www.lge-ku.com

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

November 22, 2011

RE: *The Application of Kentucky Utilities Company for Certificates of Public Convenience and Necessity and Approval of Its 2011 Compliance Plan for Recovery by Environmental Surcharge*
Case No. 2011-00161

The Application of Louisville Gas and Electric Company for Certificates of Public Convenience and Necessity and Approval of Its 2011 Compliance Plan for Recovery by Environmental Surcharge
Case No. 2011-00162

Dear Mr. DeRouen:

Enclosed please find an original and fifteen (15) copies of Kentucky Utilities Company (KU) and Louisville Gas and Electric Company's (LG&E) response to the Information Requested in Hearing dated November 10, 2011, in the above-referenced matters.

Should you have any questions regarding the enclosed, please contact me at your convenience.

Sincerely,

A handwritten signature in black ink, appearing to read "R. M. Conroy", written over a horizontal line.

Robert M. Conroy

Enclosure

cc: Parties of Record

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

THE APPLICATION OF KENTUCKY UTILITIES)	
COMPANY FOR CERTIFICATES OF PUBLIC)	
CONVENIENCE AND NECESSITY AND)	CASE NO.
APPROVAL OF ITS 2011 COMPLIANCE PLAN)	2011-00161
FOR RECOVERY BY ENVIRONMENTAL)	
SURCHARGE)	

In the Matter of:

THE APPLICATION OF LOUISVILLE GAS AND)	
ELECTRIC COMPANY FOR CERTIFICATES)	
OF PUBLIC CONVENIENCE AND NECESSITY)	CASE NO.
AND APPROVAL OF ITS 2011 COMPLIANCE)	2011-00162
PLAN FOR RECOVERY BY ENVIRONMENTAL)	
SURCHARGE)	

KENTUCKY UTILITIES COMPANY
AND
LOUISVILLE GAS AND ELECTRIC COMPANY
RESPONSE TO THE
INFORMATION REQUESTED IN HEARING
DATED NOVEMBER 10, 2011

FILED: NOVEMBER 22, 2011

VERIFICATION

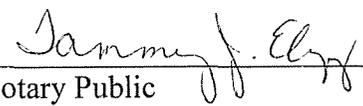
COMMONWEALTH OF KENTUCKY)
) SS:
COUNTY OF JEFFERSON)

The undersigned, **Lonnie E. Bellar**, being duly sworn, deposes and says that he is Vice President, State Regulation and Rates for Louisville Gas and Electric Company and Kentucky Utilities Company and an employee of LG&E and KU Services Company, and that he has personal knowledge of the matters set forth in the responses for which he is identified as the witness, and the answers contained therein are true and correct to the best of his information, knowledge and belief.



Lonnie E. Bellar

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 22nd day of November 2011.

 (SEAL)

Notary Public

My Commission Expires:
November 9, 2014

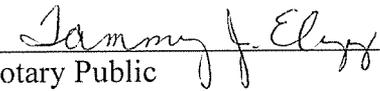
VERIFICATION

COMMONWEALTH OF KENTUCKY)
) SS:
COUNTY OF JEFFERSON)

The undersigned, **Robert M. Conroy**, being duly sworn, deposes and says that he is Director - Rates for LG&E and KU Services Company, and that he has personal knowledge of the matters set forth in the responses for which he is identified as the witness, 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 22nd day of November 2011.

 (SEAL)
Notary Public

My Commission Expires:

November 9, 2014

VERIFICATION

COMMONWEALTH OF KENTUCKY)
) SS:
COUNTY OF JEFFERSON)

The undersigned, **Gary H. Revlett**, being duly sworn, deposes and says that he is Director – Environmental Affairs for LG&E and KU Services Company, and that he has personal knowledge of the matters set forth in the responses for which he is identified as the witness, and the answers contained therein are true and correct to the best of his information, knowledge and belief.

Gary H. Revlett
Gary H. Revlett

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 22nd day of November 2011.

Jammy J. Ely (SEAL)
Notary Public

My Commission Expires:

November 9, 2014

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

Case Nos. 2011-00161 and 2011-00162

**Response to Information Requested in Hearing
Dated November 10, 2011**

Question No. 1

Witness: Lonnie E. Bellar / Robert M. Conroy

Q-1. Provide an update to page 2 of Hearing Exhibit 2 to reflect the removal of Brown 1 and 2 projects and the 10.1% return on equity for the 2011 ECR Plans.

A-1. Please see the attached.

Settlement Agreement, Stipulation and Recommendation

Allocation of Jurisdictional ECR Revenue Requirement Methodologies - reflects Settlement deferral of Brown 1-2 controls, 10.1% ROE on 2011 Plan

ECR Revenue Requirement - 2011 Compliance Plan (\$000)

Alternative Method Using Total Revenue less fuel as specified in the Settlement Agreement

LG&E	2012			2013			2014			2015			2016		
	Current	Alternative	Delta	Current	Alternative	Delta	Current	Alternative	Delta	Current	Alternative	Delta	Current	Alternative	Delta
	Method	Method		Method	Method		Method	Method		Method	Method				
Residential/Other	\$ 8,706	\$ 8,706	\$ -	\$ 26,479	\$ 26,479	\$ -	\$ 44,125	\$ 44,125	\$ -	\$ 77,556	\$ 77,556	\$ -	\$ 89,307	\$ 89,307	\$ -
GS	\$ 2,984	\$ 3,337	\$ 353	\$ 9,075	\$ 10,150	\$ 1,075	\$ 15,123	\$ 16,914	\$ 1,791	\$ 26,581	\$ 29,728	\$ 3,147	\$ 30,608	\$ 34,233	\$ 3,624
PS	\$ 4,370	\$ 4,464	\$ 94	\$ 13,291	\$ 13,577	\$ 287	\$ 22,148	\$ 22,625	\$ 477	\$ 38,928	\$ 39,767	\$ 839	\$ 44,827	\$ 45,793	\$ 966
TOD	\$ 3,226	\$ 2,924	\$ (302)	\$ 9,813	\$ 8,893	\$ (920)	\$ 16,352	\$ 14,819	\$ (1,533)	\$ 28,741	\$ 26,047	\$ (2,694)	\$ 33,096	\$ 29,994	\$ (3,102)
RTS	\$ 601	\$ 512	\$ (90)	\$ 1,829	\$ 1,556	\$ (274)	\$ 3,049	\$ 2,593	\$ (456)	\$ 5,358	\$ 4,557	\$ (801)	\$ 6,170	\$ 5,247	\$ (923)
FLS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Special Contracts	\$ 331	\$ 276	\$ (55)	\$ 1,006	\$ 838	\$ (168)	\$ 1,677	\$ 1,397	\$ (279)	\$ 2,947	\$ 2,456	\$ (491)	\$ 3,393	\$ 2,828	\$ (566)
TOTAL	\$ 20,218	\$ 20,218	\$ (0)	\$ 61,493	\$ 61,493	\$ (0)	\$ 102,473	\$ 102,473	\$ (0)	\$ 180,110	\$ 180,110	\$ (0)	\$ 207,402	\$ 207,402	\$ 0

KU	2012			2013			2014			2015			2016		
	Current	Alternative	Delta	Current	Alternative	Delta	Current	Alternative	Delta	Current	Alternative	Delta	Current	Alternative	Delta
	Method	Method		Method	Method		Method	Method		Method	Method				
Residential/ AES / Other	\$ 4,967	\$ 4,967	\$ -	\$ 16,908	\$ 16,908	\$ -	\$ 35,853	\$ 35,853	\$ -	\$ 53,146	\$ 53,146	\$ -	\$ 65,183	\$ 65,183	\$ -
General Service (GS)	\$ 1,643	\$ 1,972	\$ 329	\$ 5,592	\$ 6,714	\$ 1,122	\$ 11,858	\$ 14,236	\$ 2,378	\$ 17,578	\$ 21,103	\$ 3,525	\$ 21,559	\$ 25,883	\$ 4,324
Power Service (PSS, PSP)	\$ 2,745	\$ 2,813	\$ 68	\$ 9,344	\$ 9,575	\$ 231	\$ 19,815	\$ 20,304	\$ 489	\$ 29,372	\$ 30,097	\$ 725	\$ 36,025	\$ 36,914	\$ 889
Time of Day (TODS, TODP)	\$ 1,837	\$ 1,626	\$ (211)	\$ 6,252	\$ 5,534	\$ (718)	\$ 13,258	\$ 11,735	\$ (1,523)	\$ 19,653	\$ 17,395	\$ (2,258)	\$ 24,104	\$ 21,335	\$ (2,769)
RTS	\$ 762	\$ 635	\$ (127)	\$ 2,595	\$ 2,161	\$ (434)	\$ 5,503	\$ 4,583	\$ (919)	\$ 8,157	\$ 6,794	\$ (1,363)	\$ 10,004	\$ 8,332	\$ (1,671)
FLS	\$ 216	\$ 157	\$ (59)	\$ 735	\$ 534	\$ (200)	\$ 1,558	\$ 1,133	\$ (425)	\$ 2,309	\$ 1,679	\$ (630)	\$ 2,832	\$ 2,060	\$ (773)
TOTAL	\$ 12,169	\$ 12,169	\$ 0	\$ 41,426	\$ 41,426	\$ (0)	\$ 87,844	\$ 87,844	\$ (0)	\$ 130,215	\$ 130,215	\$ 0	\$ 159,707	\$ 159,707	\$ (0)

ECR Revenue Requirement - 2011 Compliance Plan (% of Total revenue)

Alternative Method Using Total Revenue less fuel as specified in the Settlement Agreement

LG&E	2012			2013			2014			2015			2016		
	Current	Alternative	Delta												
	Method	Method		Method	Method		Method	Method		Method	Method				
Residential/Other	2.12%	2.12%	0.00%	6.07%	6.07%	0.00%	9.87%	9.87%	0.00%	16.72%	16.72%	0.00%	18.34%	18.34%	0.00%
GS	2.12%	2.37%	0.25%	6.07%	6.79%	0.72%	9.87%	11.04%	1.17%	16.72%	18.70%	1.98%	18.34%	20.51%	2.17%
PS	2.12%	2.16%	0.05%	6.07%	6.20%	0.13%	9.87%	10.08%	0.21%	16.72%	17.08%	0.36%	18.34%	18.73%	0.40%
TOD	2.12%	1.92%	-0.20%	6.07%	5.50%	-0.57%	9.87%	8.94%	-0.92%	16.72%	15.16%	-1.57%	18.34%	16.62%	-1.72%
RTS	2.12%	1.80%	-0.32%	6.07%	5.16%	-0.91%	9.87%	8.39%	-1.48%	16.72%	14.22%	-2.50%	18.34%	15.60%	-2.74%
FLS	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Special Contracts	2.12%	1.76%	-0.35%	6.07%	5.06%	-1.01%	9.87%	8.22%	-1.64%	16.72%	13.94%	-2.79%	18.34%	15.28%	-3.06%
TOTAL	2.12%	2.12%	0.00%	6.07%	6.07%	0.00%	9.87%	9.87%	0.00%	16.72%	16.72%	0.00%	18.34%	18.34%	0.00%

KU	2012			2013			2014			2015			2016		
	Current	Alternative	Delta												
	Method	Method		Method	Method		Method	Method		Method	Method				
Residential/ AES / Other	0.89%	0.89%	0.00%	2.87%	2.87%	0.00%	5.84%	5.84%	0.00%	8.35%	8.35%	0.00%	9.65%	9.65%	0.00%
General Service (GS)	0.89%	1.07%	0.18%	2.87%	3.45%	0.58%	5.84%	7.01%	1.17%	8.35%	10.02%	1.67%	9.65%	11.59%	1.94%
Power Service (PSS, PSP)	0.89%	0.91%	0.02%	2.87%	2.94%	0.07%	5.84%	5.98%	0.14%	8.35%	8.56%	0.21%	9.65%	9.89%	0.24%
Time of Day (TODS, TODP)	0.89%	0.79%	-0.10%	2.87%	2.54%	-0.33%	5.84%	5.17%	-0.67%	8.35%	7.39%	-0.96%	9.65%	8.54%	-1.11%
RTS	0.89%	0.74%	-0.15%	2.87%	2.39%	-0.48%	5.84%	4.86%	-0.98%	8.35%	6.95%	-1.40%	9.65%	8.04%	-1.61%
FLS	0.89%	0.65%	-0.24%	2.87%	2.09%	-0.78%	5.84%	4.24%	-1.59%	8.35%	6.07%	-2.28%	9.65%	7.02%	-2.63%
TOTAL	0.89%	0.89%	0.00%	2.87%	2.87%	0.00%	5.84%	5.84%	0.00%	8.35%	8.35%	0.00%	9.65%	9.65%	0.00%

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

Case Nos. 2011-00161 and 2011-00162

**Response to Information Requested in Hearing
Dated November 10, 2011**

Question No. 2

Witness: Lonnie E. Bellar / Robert M. Conroy

- Q-2. Provide the impact to Rate GS single-phase and three-phase customers under the new revenue allocation from 2012-2016 using the same format as contained in Hearing Exhibit 4.
- A-2. Please see the attached.

Louisville Gas and Electric Company
Environmental Cost Recovery Surcharge Summary

<u>AS FILED</u>	2012	2013	2014	2015	2016
Total E(m) - (\$000)	\$25,243	\$76,600	\$127,031	\$218,209	\$248,966
12 Month Average Jurisdictional Ratio	87.20%	87.20%	87.20%	87.20%	87.20%
Jurisdictional E(m) - (\$000)	\$22,012	\$66,797	\$110,774	\$190,284	\$217,105
Forecasted Jurisdictional R(m) - (million)	\$956	\$1,013	\$1,038	\$1,077	\$1,131
Incremental Billing Factor	2.30%	6.60%	10.67%	17.67%	19.20%
Residential Customer Impact					
Monthly bill (1,000 kWh per month)	\$1.96	\$5.61	\$9.08	\$15.03	\$16.33
GS Single Phase Customer Impact					
Monthly bill (1,386 kWh per month)	\$3.41	\$9.77	\$15.80	\$26.17	\$28.43
Average Non-ECR Bill	\$148.09	\$148.09	\$148.09	\$148.09	\$148.09
Percent Increase	2.30%	6.60%	10.67%	17.67%	19.20%
GS Three Phase Customer Impact					
Monthly bill (5,535 kWh per month)	\$12.76	\$36.54	\$59.11	\$97.89	\$106.35
Average Non-ECR Bill	\$554.01	\$554.01	\$554.01	\$554.01	\$554.01
Percent Increase	2.30%	6.60%	10.67%	17.67%	19.20%
<u>SETTLEMENT AGREEMENT</u>	2012	2013	2014	2015	2016
Total E(m) - (\$000)	\$23,185	\$70,517	\$117,511	\$206,543	\$237,839
12 Month Average Jurisdictional Ratio	87.20%	87.20%	87.20%	87.20%	87.20%
Jurisdictional E(m) - (\$000)	\$20,218	\$61,493	\$102,473	\$180,110	\$207,402
Forecasted Jurisdictional R(m) - (million)	\$956	\$1,013	\$1,038	\$1,077	\$1,131
Incremental Billing Factor (Total Revenue)	2.12%	6.07%	9.87%	16.72%	18.34%
Residential Customer Impact					
Monthly bill (1,000 kWh per month)	\$1.80	\$5.17	\$8.40	\$14.23	\$15.60
Incremental Billing Factor (Net Revenue)	3.34%	9.47%	15.50%	26.01%	28.91%
GS Single Phase Customer Impact					
Monthly bill (1,386 kWh per month)	\$3.89	\$11.01	\$18.01	\$30.23	\$33.60
Average Non-ECR Bill	\$148.09	\$148.09	\$148.09	\$148.09	\$148.09
Percent Increase	2.62%	7.44%	12.16%	20.41%	22.69%
GS Three Phase Customer Impact					
Monthly bill (5,535 kWh per month)	\$14.27	\$40.43	\$66.15	\$111.01	\$123.37
Average Non-ECR Bill	\$554.01	\$554.01	\$554.01	\$554.01	\$554.01
Percent Increase	2.58%	7.30%	11.94%	20.04%	22.27%

Kentucky Utilities Company
Environmental Cost Recovery Surcharge Summary

<u>AS FILED</u>	2012	2013	2014	2015	2016
Total E(m) - (\$000)	\$22,998	\$69,805	\$143,788	\$199,867	\$232,668
12 Month Average Jurisdictional Ratio	86.99%	86.99%	86.99%	86.99%	86.99%
Jurisdictional E(m) - (\$000)	\$20,005	\$60,722	\$125,079	\$173,861	\$202,394
Forecasted Jurisdictional R(m) - (million)	\$1,365	\$1,442	\$1,505	\$1,560	\$1,655
Incremental Billing Factor	1.47%	4.21%	8.31%	11.15%	12.23%
Residential Customer Impact					
Monthly bill (1,000 kWh per month)	\$1.13	\$3.26	\$6.43	\$8.63	\$9.46
GS Single Phase Customer Impact					
Monthly bill (1,136 kWh per month)	\$1.75	\$5.04	\$9.95	\$13.34	\$14.64
Average Non-ECR Bill	\$119.69	\$119.69	\$119.69	\$119.69	\$119.69
Percent Increase	1.47%	4.21%	8.31%	11.15%	12.23%
GS Three Phase Customer Impact					
Monthly bill (5,623 kWh per month)	\$7.89	\$22.66	\$44.73	\$60.01	\$65.85
Average Non-ECR Bill	\$538.35	\$538.35	\$538.35	\$538.35	\$538.35
Percent Increase	1.47%	4.21%	8.31%	11.15%	12.23%
 <u>SETTLEMENT AGREEMENT</u>					
Total E(m) - (\$000)	\$13,989	\$47,623	\$100,984	\$149,693	\$183,596
12 Month Average Jurisdictional Ratio	86.99%	86.99%	86.99%	86.99%	86.99%
Jurisdictional E(m) - (\$000)	\$12,169	\$41,426	\$87,844	\$130,215	\$159,707
Forecasted Jurisdictional R(m) - (million)	\$1,365	\$1,442	\$1,505	\$1,560	\$1,655
Incremental Billing Factor (Total Revenue)	0.89%	2.87%	5.84%	8.35%	9.65%
Residential Customer Impact					
Monthly bill (1,000 kWh per month)	\$0.69	\$2.22	\$4.52	\$6.46	\$7.47
Incremental Billing Factor (Net Revenue)	1.61%	5.08%	10.56%	14.96%	17.82%
GS Single Phase Customer Impact					
Monthly bill (1,136 kWh per month)	\$1.46	\$4.58	\$9.53	\$13.50	\$16.08
Average Non-ECR Bill	\$119.69	\$119.69	\$119.69	\$119.69	\$119.69
Percent Increase	1.22%	3.83%	7.96%	11.28%	13.43%
GS Three Phase Customer Impact					
Monthly bill (5,623 kWh per month)	\$6.33	\$19.94	\$41.45	\$58.72	\$69.94
Average Non-ECR Bill	\$538.35	\$538.35	\$538.35	\$538.35	\$538.35
Percent Increase	1.18%	3.70%	7.70%	10.91%	12.99%

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

Case Nos. 2011-00161 and 2011-00162

**Response to Information Requested in Hearing
Dated November 10, 2011**

Question No. 3

Witness: Gary H. Revlett

Q-3. Provide the Companies' most recent greenhouse gas reports filed with the U.S. EPA.

A-3. Please see the attached.

Cane Run Station

Certification Statement:

The designated representative or alternate designated representative must sign (i.e., agree to) this certification statement. If you are an agent and you click on "SUBMIT", you are not agreeing to the certification statement, but are submitting the certification statement on behalf of the designated representative or alternate designated representative who is agreeing to the certification statement. An agent is only authorized to make the electronic submission on behalf of the designated representative, not to sign (i.e., agree to) the certification statement.

Facility Name: Cane Run

Facility Identifier: 530248

Facility Reporting Year: 2010

Facility Location:

Address: 5252 Cane Run Road

City: Louisville

State: KY

Postal Code: 40216

Facility Site Details:

CO2 Equivalent (excluding biogenic, mtons, Subparts C-HH): 3264974.2

CO2 Equivalent (mtons, Subparts NN-PP): 0

Biogenic CO2 (mtons, Subparts C-HH): 0

Cogeneration Unit Emissions Indicator: N

GHG Report Start Date: 2010-01-01

GHG Report End Date: 2010-12-31

Description of Changes to Calculation Methodology: N/A

Description of Best Available Monitoring Methods Used: N/A

Part 75 Biogenic Emissions Indication: No Part 75 methods used

Primary NAICS Code: 221112

Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: LG&E and KU Energy LLC

Address: 220 West Main Street, Louisville, KY 40202

Percent Ownership Interest: 100

Subpart C: General Stationary Fuel Combustion**Gas Information Details**

Gas Name	Other Gas Name	Gas Quantity	Override	Override Explanation
Biogenic Carbon dioxide		0 (Metric Tons)		
Methane		0.01 (Metric Tons)		
Nitrous Oxide		0 (Metric Tons)		
Carbon Dioxide		332.7 (Metric Tons)		

Unit Details:

Unit Name : GP-01

Unit Type : OCS (Other combustion source)

Unit Description :

Other Unit Name :

Small Unit Aggregation Details:

Highest Maximum Rated Heat Input Capacity: 1.55

Emission Details:

Annual Sorbent based CO2 Emissions (metric tons): 0.0

Annual Biogenic CO2 Emissions (metric tons): 0.0

Annual Fossil fuel based CO2 Emissions (metric tons): 0.0

Tier Fuel Details:

Fuel : Natural Gas (Weighted U.S. Average)

Tier Name : Tier 1 (Equation C-1)

Tier Methodology Start Date : 2010-01-01

Tier Methodology End Date : 2010-12-31

Fuel Emission Details :

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
0.0 (Metric Tons)	0.00 (Metric Tons)	0.000 (Metric Tons)	0.0 (Metric Tons)	0.0 (Metric Tons)

Unit Name : CT-11 Small Bore Cranking Diesel

Unit Type : RICE (Reciprocating internal combustion engine)

Unit Description :

Individual Unit Details:

Maximum Rated Heat Input Capacity: 1.094 (mmBtu/hr)

Emission Details:

Annual Sorbent based CO2 Emissions (metric tons): 0.0

Annual Biogenic CO2 Emissions (metric tons): 0.0

Annual Fossil fuel based CO2 Emissions (metric tons):

Tier Fuel Details:

Fuel : Distillate Fuel Oil No. 2

Tier Name : Tier 1 (Equation C-1)

Tier Methodology Start Date : 2010-01-01

Tier Methodology End Date : 2010-12-31

Fuel Emission Details :

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
2.7 (Metric Tons)	0.00 (Metric Tons)	0.000 (Metric Tons)	0.0 (Metric Tons)	0.0 (Metric Tons)

Unit Name : Combustion Turbine Unit 11

Unit Type : SCCT (CT (Turbine, simple cycle combustion))

Unit Description :

Individual Unit Details:

Maximum Rated Heat Input Capacity: 247 (mmBtu/hr)

Emission Details:

Annual Sorbent based CO2 Emissions (metric tons): 0.0

Annual Biogenic CO2 Emissions (metric tons): 0.0

Annual Fossil fuel based CO2 Emissions (metric tons):

Tier Fuel Details:

Fuel : Distillate Fuel Oil No. 2

Tier Name : Tier 2 (Equation C-2a)

Tier Methodology Start Date : 2010-01-01

Tier Methodology End Date : 2010-12-31

Frequency of HHV determinations : Monthly

Tier 2 Monthly HHV Details :

January	February	March	April	May	June	July	August	September	October	November	December
N	N	N	N	N	N	N	N	N	N	N	N

Fuel Emission Details :

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
2.0 (Metric Tons)	0.00 (Metric Tons)	0.000 (Metric Tons)	0.0 (Metric Tons)	0.0 (Metric Tons)

Fuel : Natural Gas (Weighted U.S. Average)

Tier Name : Tier 2 (Equation C-2a)

Tier Methodology Start Date : 2010-01-01
Tier Methodology End Date : 2010-12-31
Frequency of HHV determinations : Monthly

Tier 2 Monthly HHV Details :

January	February	March	April	May	June	July	August	September	October	November	December
N	N	N	N	N	N	N	N	N	N	N	N

Fuel Emission Details :

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
318.0 (Metric Tons)	0.01 (Metric Tons)	0.000 (Metric Tons)	0.2 (Metric Tons)	0.0 (Metric Tons)

Unit Name : 6SPP Flyash Silo Heater
Unit Type : PRH (Process Heater)
Unit Description :
Individual Unit Details:
Maximum Rated Heat Input Capacity: 0.40 (mmBtu/hr)

Emission Details:

Annual Sorbent based CO2 Emissions (metric tons): 0.0
Annual Biogenic CO2 Emissions (metric tons): 0.0
Annual Fossil fuel based CO2 Emissions (metric tons):

Tier Fuel Details:

Fuel : Propane Gas
Tier Name : Tier 1 (Equation C-1)
Tier Methodology Start Date : 2010-01-01
Tier Methodology End Date : 2010-12-31

Fuel Emission Details :

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
10.0 (Metric Tons)	0.00 (Metric Tons)	0.000 (Metric Tons)	0.0 (Metric Tons)	0.0 (Metric Tons)

Subpart D: Electricity Generation

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Override	Override Explanation
Biogenic Carbon dioxide		0 (Metric Tons)		
Methane		494.16 (Metric Tons)		
Nitrous Oxide		70.008 (Metric Tons)		
Carbon Dioxide		3232561.4 (Metric Tons)		

Unit Details:

Unit Name : 4
Unit Type : Electricity Generator
Unit Description : Unit 4 Utility Boiler
Part 75 Methodology : CEMS
Methodology Start Date: 2010-01-01
Methodology End Date: 2010-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 930414.1
Annual CO2 Emissions Including Biomass (short tons): 1025588.7
Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 59
Operating Hours Stack Gas Flow Rate Substituted: 109
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type : Bituminous CH4 Emissions CO2 Equivalent (metric tons): 2955.7 N2O Emissions CO2 Equivalent (metric tons): 6346.5

Fuel type : Natural Gas (Weighted U.S. Average) CH4 Emissions CO2 Equivalent (metric tons): 268.7 N2O Emissions CO2 Equivalent (metric tons): 396.7

Unit Name : 6
Unit Type : Electricity Generator
Unit Description : Unit 6 Utility Boiler
Part 75 Methodology : CEMS
Methodology Start Date: 2010-01-01
Methodology End Date: 2010-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 1161091.8
Annual CO2 Emissions Including Biomass (short tons): 1279863.1
Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 19
Operating Hours Stack Gas Flow Rate Substituted: 38
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type : Bituminous CH4 Emissions CO2 Equivalent (metric tons): 3725.0 N2O Emissions CO2 Equivalent (metric tons): 7998.2

Fuel type : Natural Gas (Weighted U.S. Average) CH4 Emissions CO2 Equivalent (metric tons): 338.6 N2O Emissions CO2 Equivalent (metric tons): 499.9

Unit Name : 5
Unit Type : Electricity Generator
Unit Description : Unit 5 Utility Boiler
Part 75 Methodology : CEMS
Methodology Start Date: 2010-01-01
Methodology End Date: 2010-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 1141055.5

Annual CO2 Emissions Including Biomass (short tons): 1257777.2

Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 49

Operating Hours Stack Gas Flow Rate Substituted: 35

Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type : Natural Gas (Weighted U.S. Average)

CH4 Emissions CO2 Equivalent (metric tons): 257.4

N2O Emissions CO2 Equivalent (metric tons): 380.0

Fuel type : Bituminous

CH4 Emissions CO2 Equivalent (metric tons): 2831.9

N2O Emissions CO2 Equivalent (metric tons): 6080.5

E.W. Brown Station

Certification Statement:

The designated representative or alternate designated representative must sign (i.e., agree to) this certification statement. If you are an agent and you click on "SUBMIT", you are not agreeing to the certification statement, but are submitting the certification statement on behalf of the designated representative or alternate designated representative who is agreeing to the certification statement. An agent is only authorized to make the electronic submission on behalf of the designated representative, not to sign (i.e., agree to) the certification statement.

Facility Name: E.W. Brown

Facility Identifier: 530214

Facility Reporting Year: 2010

Facility Location:

Address: 815 Dix Dam Road

City: Harrodsburg

State: KY

Postal Code: 40330

Facility Site Details:

CO2 Equivalent (excluding biogenic, mtons, Subparts C-HH): 3211730.2

CO2 Equivalent (mtons, Subparts NN-PP): 0

Biogenic CO2 (mtons, Subparts C-HH): 0

Cogeneration Unit Emissions Indicator: N

GHG Report Start Date: 2010-01-01

GHG Report End Date: 2010-12-31

Description of Changes to Calculation Methodology: N/A

Description of Best Available Monitoring Methods Used: N/A

Part 75 Biogenic Emissions Indication: No Part 75 methods used

Primary NAICS Code: 221112

Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: LG&E and KU Energy LLC

Address: 220 West Main Street, Louisville, KY 40202

Percent Ownership Interest: 100

Subpart C: General Stationary Fuel Combustion**Gas Information Details**

Gas Name	Other Gas Name	Gas Quantity	Override	Override Explanation
Biogenic Carbon dioxide		0 (Metric Tons)		
Methane		0 (Metric Tons)		
Nitrous Oxide		0 (Metric Tons)		
Carbon Dioxide		60.3 (Metric Tons)		

Unit Details:

Unit Name : GP-02

Unit Type : OCS (Other combustion source)

Unit Description :

Other Unit Name :

Small Unit Aggregation Details:

Highest Maximum Rated Heat Input Capacity: 0.4

Emission Details:

Annual Sorbent based CO2 Emissions (metric tons): 0.0

Annual Biogenic CO2 Emissions (metric tons): 0.0

Annual Fossil fuel based CO2 Emissions (metric tons): 4.5

Tier Fuel Details:

Fuel : Propane Gas

Tier Name : Tier 1 (Equation C-1)

Tier Methodology Start Date : 2010-01-01

Tier Methodology End Date : 2010-12-31

Fuel Emission Details :

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
4.5 (Metric Tons)	0.00 (Metric Tons)	0.000 (Metric Tons)	0.0 (Metric Tons)	0.0 (Metric Tons)

Unit Name : GP-01**Unit Type :** OCS (Other combustion source)**Unit Description :****Other Unit Name :****Small Unit Aggregation Details:****Highest Maximum Rated Heat Input Capacity:** 4.3**Emission Details:****Annual Sorbent based CO2 Emissions** (metric tons): 0.0**Annual Biogenic CO2 Emissions** (metric tons): 0.0**Annual Fossil fuel based CO2 Emissions** (metric tons): 55.8**Tier Fuel Details:****Fuel :** Natural Gas (Weighted U.S. Average)**Tier Name :** Tier 2 (Equation C-2a)**Tier Methodology Start Date :** 2010-01-01**Tier Methodology End Date :** 2010-12-31**Frequency of HHV determinations :** Monthly**Tier 2 Monthly HHV Details :**

January	February	March	April	May	June	July	August	September	October	November	December
N	N	N	N	N	N	N	N	N	N	N	N

Fuel Emission Details :

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
55.8 (Metric Tons)	0.00 (Metric Tons)	0.000 (Metric Tons)	0.0 (Metric Tons)	0.0 (Metric Tons)

Subpart D: Electricity Generation

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Override	Override Explanation
Biogenic Carbon dioxide		0 (Metric Tons)		
Methane		441.75 (Metric Tons)		
Nitrous Oxide		69.319 (Metric Tons)		
Carbon Dioxide		3180904.3 (Metric Tons)		

Unit Details:**Unit Name :** Unit 2 Utility Boiler**Unit Type :** Electricity Generator**Unit Description :****Part 75 Methodology :** CEMS**Methodology Start Date:** 2010-01-01**Methodology End Date:** 2010-12-31**Acid Rain Program Indicator:** Y**Emission Details:****Annual CO2 Emissions Including Biomass** (metric tons): 650082.2**Annual CO2 Emissions Including Biomass** (short tons): 716580.9**Annual CO2 Emissions from Biomass** (metric tons): 0.0**CEMS Details:**

Operating Hours CO2 Concentration Substituted: 49
Operating Hours Stack Gas Flow Rate Substituted: 43
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type : Distillate Fuel Oil No. 2
CH4 Emissions CO2 Equivalent (metric tons): 1613.4
N2O Emissions CO2 Equivalent (metric tons): 3464.2

Fuel type : Bituminous
CH4 Emissions CO2 Equivalent (metric tons): 440.0
N2O Emissions CO2 Equivalent (metric tons): 1299.1

Unit Name : Unit 1 Utility Boiler
Unit Type : Electricity Generator
Unit Description :
Part 75 Methodology : CEMS
Methodology Start Date: 2010-01-01
Methodology End Date: 2010-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 443734.2
Annual CO2 Emissions Including Biomass (short tons): 489125.0
Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 63
Operating Hours Stack Gas Flow Rate Substituted: 655
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type : Bituminous
CH4 Emissions CO2 Equivalent (metric tons): 1042.6
N2O Emissions CO2 Equivalent (metric tons): 2238.6

Fuel type : Distillate Fuel Oil No. 2
CH4 Emissions CO2 Equivalent (metric tons): 284.3
N2O Emissions CO2 Equivalent (metric tons): 839.5

Unit Name : Combustion Turbine Unit 7
Unit Type : Electricity Generator
Unit Description :
Part 75 Methodology : CEMS
Methodology Start Date: 2010-01-01
Methodology End Date: 2010-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 34419.5
Annual CO2 Emissions Including Biomass (short tons): 37940.4
Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 0
Operating Hours Stack Gas Flow Rate Substituted: 752
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type : Natural Gas (Weighted U.S. Average) CH4 Emissions CO2 Equivalent (metric tons): 13.4 N2O Emissions CO2 Equivalent (metric tons): 19.8

Fuel type : Distillate Fuel Oil No. 2 CH4 Emissions CO2 Equivalent (metric tons): 0.0 N2O Emissions CO2 Equivalent (metric tons): 0.0

Unit Name : Combustion Turbine Unit 6
Unit Type : Electricity Generator
Unit Description :
Part 75 Methodology : CEMS
Methodology Start Date: 2010-01-01
Methodology End Date: 2010-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 33822.6
Annual CO2 Emissions Including Biomass (short tons): 37282.4
Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 0
Operating Hours Stack Gas Flow Rate Substituted: 26
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type : Distillate Fuel Oil No. 2 CH4 Emissions CO2 Equivalent (metric tons): 1.3 N2O Emissions CO2 Equivalent (metric tons): 3.9

Fuel type : Natural Gas (Weighted U.S. Average) CH4 Emissions CO2 Equivalent (metric tons): 12.6 N2O Emissions CO2 Equivalent (metric tons): 18.5

Unit Name : Combustion Turbine Unit 8
Unit Type : Electricity Generator
Unit Description :
Part 75 Methodology : CEMS
Methodology Start Date: 2010-01-01
Methodology End Date: 2010-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 7242.5
Annual CO2 Emissions Including Biomass (short tons): 7983.4
Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 0
Operating Hours Stack Gas Flow Rate Substituted: 189
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type : Distillate Fuel Oil No. 2 CH4 Emissions CO2 Equivalent (metric tons): 0.1 N2O Emissions CO2 Equivalent (metric tons): 0.2

Fuel type : Natural Gas (Weighted U.S. Average) CH4 Emissions CO2 Equivalent (metric tons): 2.8 N2O Emissions CO2 Equivalent (metric tons): 4.1

Unit Name : Combustion Turbine Unit 9
Unit Type : Electricity Generator
Unit Description :
Part 75 Methodology : CEMS
Methodology Start Date: 2010-01-01
Methodology End Date: 2010-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 5310.1
Annual CO2 Emissions Including Biomass (short tons): 5853.3
Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 0
Operating Hours Stack Gas Flow Rate Substituted: 148
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type : Natural Gas (Weighted U.S. Average) CH4 Emissions CO2 Equivalent (metric tons): 2.0 N2O Emissions CO2 Equivalent (metric tons): 3.0

Fuel type : Distillate Fuel Oil No. 2 CH4 Emissions CO2 Equivalent (metric tons): 0.1 N2O Emissions CO2 Equivalent (metric tons): 0.2

Unit Name : Combustion Turbine Unit 10
Unit Type : Electricity Generator
Unit Description :
Part 75 Methodology : CEMS
Methodology Start Date: 2010-01-01
Methodology End Date: 2010-12-31

Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 4655.8

Annual CO2 Emissions Including Biomass (short tons): 5132.0

Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 0

Operating Hours Stack Gas Flow Rate Substituted: 138

Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type : Distillate Fuel Oil No. 2

CH4 Emissions CO2 Equivalent (metric tons): 0.0

N2O Emissions CO2 Equivalent (metric tons): 0.1

Fuel type : Natural Gas (Weighted U.S. Average)

CH4 Emissions CO2 Equivalent (metric tons): 1.8

N2O Emissions CO2 Equivalent (metric tons): 2.7

Unit Name : Combustion Turbine Unit 5

Unit Type : Electricity Generator

Unit Description :

Part 75 Methodology : CEMS

Methodology Start Date: 2010-01-01

Methodology End Date: 2010-12-31

Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 7530.9

Annual CO2 Emissions Including Biomass (short tons): 8301.3

Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 0

Operating Hours Stack Gas Flow Rate Substituted: 7

Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type : Natural Gas (Weighted U.S. Average)

CH4 Emissions CO2 Equivalent (metric tons): 2.9

N2O Emissions CO2 Equivalent (metric tons): 4.3

Unit Name : Combustion Turbine Unit 11

Unit Type : Electricity Generator

Unit Description :

Part 75 Methodology : CEMS

Methodology Start Date: 2010-01-01

Methodology End Date: 2010-12-31

Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 7527.7
Annual CO2 Emissions Including Biomass (short tons): 8297.7
Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 0
Operating Hours Stack Gas Flow Rate Substituted: 179
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type : Distillate Fuel Oil No. 2 CH4 Emissions CO2 Equivalent (metric tons): 0.0 N2O Emissions CO2 Equivalent (metric tons): 0.0

Fuel type : Natural Gas (Weighted U.S. Average) CH4 Emissions CO2 Equivalent (metric tons): 2.9 N2O Emissions CO2 Equivalent (metric tons): 4.3

Unit Name : Unit 3 Utility Boiler
Unit Type : Electricity Generator
Unit Description :
Part 75 Methodology : CEMS
Methodology Start Date: 2010-01-01
Methodology End Date: 2010-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 1986578.8
Annual CO2 Emissions Including Biomass (short tons): 2189791.4
Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 57
Operating Hours Stack Gas Flow Rate Substituted: 721
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type : Distillate Fuel Oil No. 2 CH4 Emissions CO2 Equivalent (metric tons): 1255.0 N2O Emissions CO2 Equivalent (metric tons): 3705.2

Fuel type : Bituminous CH4 Emissions CO2 Equivalent (metric tons): 4601.6 N2O Emissions CO2 Equivalent (metric tons): 9880.5

Ghent Station

Certification Statement:

The designated representative or alternate designated representative must sign (i.e., agree to) this certification statement. If you are an agent and you click on "SUBMIT", you are not agreeing to the certification statement, but are submitting the certification statement on behalf of the designated representative or alternate designated representative who is agreeing to the certification statement. An agent is only authorized to make the electronic submission on behalf of the designated representative, not to sign (i.e., agree to) the certification statement.

Facility Name: Ghent

Facility Identifier: 530252

Facility Reporting Year: 2010

Facility Location:

Address: 9485 Highway 42 East

City: Ghent

State: KY

Postal Code: 41045

Facility Site Details:

CO2 Equivalent (excluding biogenic, mtons, Subparts C-HH): 12296679.4

CO2 Equivalent (mtons, Subparts NN-PP): 0

Biogenic CO2 (mtons, Subparts C-HH): 0

Cogeneration Unit Emissions Indicator: N

GHG Report Start Date: 2010-01-01

GHG Report End Date: 2010-12-31

Description of Changes to Calculation Methodology: N/A

Description of Best Available Monitoring Methods Used: N/A

Part 75 Biogenic Emissions Indication: No Part 75 methods used

Primary NAICS Code: 221112

Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: LG&E and KU Energy LLC

Address: 220 West Main Street, Louisville, KY 40202

Percent Ownership Interest: 100

Subpart D: Electricity Generation**Gas Information Details**

Gas Name	Other Gas Name	Gas Quantity	Override	Override Explanation
Biogenic Carbon dioxide		0 (Metric Tons)		
Methane		1830.36 (Metric Tons)		
Nitrous Oxide		287.627 (Metric Tons)		
Carbon Dioxide		12169077.5 (Metric Tons)		

Unit Details:

Unit Name : 1

Unit Type : Electricity Generator

Unit Description : Unit 1 Utility Boiler

Part 75 Methodology : CEMS

Methodology Start Date: 2010-01-01

Methodology End Date: 2010-12-31

Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 3210763.0

Annual CO2 Emissions Including Biomass (short tons): 3539201.0

Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted (metric tons): 21

Operating Hours Stack Gas Flow Rate Substituted (metric tons): 128

Operating Hours Stack Gas Moisture Substituted (metric tons):

Electricity Fuel Details:

Fuel type : Distillate Fuel Oil No. 2 CH4 Emissions CO2 Equivalent (metric tons): 2173.2 N2O Emissions CO2 Equivalent (metric tons): 6416.1

Fuel type : Bituminous CH4 Emissions CO2 Equivalent (metric tons): 7968.4 N2O Emissions CO2 Equivalent (metric tons): 17109.6

Unit Name : CS023

Unit Type : Electricity Generator

Unit Description : Unit 2 and Unit 3 Utility Boiler

Part 75 Methodology : CEMS

Methodology Start Date: 2010-01-01

Methodology End Date: 2010-12-31

Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 6425633.7

Annual CO2 Emissions Including Biomass (short tons): 7082929.6

Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted (metric tons): 68

Operating Hours Stack Gas Flow Rate Substituted (metric tons): 2

Operating Hours Stack Gas Moisture Substituted (metric tons):

Electricity Fuel Details:

Fuel type : Bituminous CH4 Emissions CO2 Equivalent (metric tons): 15946.9 N2O Emissions CO2 Equivalent (metric tons): 34241.1

Fuel type : Distillate Fuel Oil No. 2 CH4 Emissions CO2 Equivalent (metric tons): 4349.2 N2O Emissions CO2 Equivalent (metric tons): 12840.4

Unit Name : 4

Unit Type : Electricity Generator

Unit Description : Unit 4 Utility Boiler

Part 75 Methodology : CEMS

Methodology Start Date: 2010-01-01

Methodology End Date: 2010-12-31

Acid Rain Program Indicator: Y**Emission Details:****Annual CO2 Emissions Including Biomass** (metric tons): 2532680.8**Annual CO2 Emissions Including Biomass** (short tons): 2791755.7**Annual CO2 Emissions from Biomass** (metric tons): 0.0**CEMS Details:****Operating Hours CO2 Concentration Substituted** (metric tons): 25**Operating Hours Stack Gas Flow Rate Substituted** (metric tons): 283**Operating Hours Stack Gas Moisture Substituted** (metric tons):**Electricity Fuel Details:****Fuel type** : Distillate Fuel Oil No. 2**CH4 Emissions CO2 Equivalent** (metric tons): 1714.2**N2O Emissions CO2 Equivalent** (metric tons): 5061.1**Fuel type** : Bituminous**CH4 Emissions CO2 Equivalent** (metric tons): 6285.5**N2O Emissions CO2 Equivalent** (metric tons): 13496.2

Green River Station

Certification Statement:

The designated representative or alternate designated representative must sign (i.e., agree to) this certification statement. If you are an agent and you click on "SUBMIT", you are not agreeing to the certification statement, but are submitting the certification statement on behalf of the designated representative or alternate designated representative who is agreeing to the certification statement. An agent is only authorized to make the electronic submission on behalf of the designated representative, not to sign (i.e., agree to) the certification statement.

Facility Name: Green River

Facility Identifier: 530253

Facility Reporting Year: 2010

Facility Location:

Address: US Hwy 431

City: Central City

State: KY

Postal Code: 42330

Facility Site Details:

CO2 Equivalent (excluding biogenic, mtons, Subparts C-HH): 940679

CO2 Equivalent (mtons, Subparts NN-PP): 0

Biogenic CO2 (mtons, Subparts C-HH): 0

Cogeneration Unit Emissions Indicator: N

GHG Report Start Date: 2010-01-01

GHG Report End Date: 2010-12-31

Description of Changes to Calculation Methodology: N/A

Description of Best Available Monitoring Methods Used: N/A

Part 75 Biogenic Emissions Indication: No Part 75 methods used

Primary NAICS Code: 221112

Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: LG&E and KU Energy LLC

Address: 220 West Main Street, Louisville, KY 40202

Percent Ownership Interest: 100

Subpart D: Electricity Generation**Gas Information Details**

Gas Name	Other Gas Name	Gas Quantity	Override	Override Explanation
Biogenic Carbon dioxide		0 (Metric Tons)		
Methane		140.02 (Metric Tons)		
Nitrous Oxide		22.004 (Metric Tons)		
Carbon Dioxide		930917.3 (Metric Tons)		

Unit Details:

Unit Name : 5

Unit Type : Electricity Generator

Unit Description : Unit 4 Utility Boiler

Part 75 Methodology : CEMS

Methodology Start Date: 2010-01-01

Methodology End Date: 2010-12-31

Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 548506.4

Annual CO2 Emissions Including Biomass (short tons): 604614.6
Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 9
Operating Hours Stack Gas Flow Rate Substituted: 21
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type : Bituminous CH4 Emissions CO2 Equivalent (metric tons): 1361.3 N2O Emissions CO2 Equivalent (metric tons): 2922.9

Fuel type : Distillate Fuel Oil No. 2 CH4 Emissions CO2 Equivalent (metric tons): 371.3 N2O Emissions CO2 Equivalent (metric tons): 1096.1

Unit Name : 4
Unit Type : Electricity Generator
Unit Description : Unit 3 Utility Boiler
Part 75 Methodology : CEMS
Methodology Start Date: 2010-01-01
Methodology End Date: 2010-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 382410.9
Annual CO2 Emissions Including Biomass (short tons): 421528.8
Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 25
Operating Hours Stack Gas Flow Rate Substituted: 24
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type : Bituminous CH4 Emissions CO2 Equivalent (metric tons): 949.1 N2O Emissions CO2 Equivalent (metric tons): 2037.8

Fuel type : Distillate Fuel Oil No. 2 CH4 Emissions CO2 Equivalent (metric tons): 258.8 N2O Emissions CO2 Equivalent (metric tons): 764.2

Haefling Station

Certification Statement:

The designated representative or alternate designated representative must sign (i.e., agree to) this certification statement. If you are an agent and you click on "SUBMIT", you are not agreeing to the certification statement, but are submitting the certification statement on behalf of the designated representative or alternate designated representative who is agreeing to the certification statement. An agent is only authorized to make the electronic submission on behalf of the designated representative, not to sign (i.e., agree to) the certification statement.

Facility Name: Haefling
 Facility Identifier: 530262
 Facility Reporting Year: 2010
 Facility Location:
 Address: Mengel Road
 City: Lexington
 State: KY
 Postal Code: 40511

Facility Site Details:

CO2 Equivalent (excluding biogenic, mtons, Subparts C-HH): 30.8
 CO2 Equivalent (mtons, Subparts NN-PP): 0
 Biogenic CO2 (mtons, Subparts C-HH): 0
 Cogeneration Unit Emissions Indicator: N
 GHG Report Start Date: 2010-01-01
 GHG Report End Date: 2010-12-31
 Description of Changes to Calculation Methodology: N/A
 Description of Best Available Monitoring Methods Used: N/A
 Part 75 Biogenic Emissions Indication: No Part 75 methods used
 Primary NAICS Code: 221112
 Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: LG&E and KU Energy LLC
 Address: 220 West Main Street, Louisville, KY 40202
 Percent Ownership Interest: 100

Subpart C: General Stationary Fuel Combustion**Gas Information Details**

Gas Name	Other Gas Name	Gas Quantity	Override	Override Explanation
Biogenic Carbon dioxide		0 (Metric Tons)		
Methane		0 (Metric Tons)		
Nitrous Oxide		0 (Metric Tons)		
Carbon Dioxide		30.8 (Metric Tons)		

Unit Details:

Unit Name : Combustion Trubine Unit 2
Unit Type : CCCT (CC (Turbine, combined cycle))
Unit Description :
Individual Unit Details:
Maximum Rated Heat Input Capacity: 304 (mmBtu/hr)

Emission Details:

Annual Sorbent based CO2 Emissions (metric tons): 0.0
Annual Biogenic CO2 Emissions (metric tons): 0.0
Annual Fossil fuel based CO2 Emissions (metric tons):

Tier Fuel Details:

Fuel : Distillate Fuel Oil No. 2
Tier Name : Tier 2 (Equation C-2a)
Tier Methodology Start Date : 2010-01-01
Tier Methodology End Date : 2010-12-31
Frequency of HHV determinations : Monthly

Tier 2 Monthly HHV Details :

January	February	March	April	May	June	July	August	September	October	November	December
N	N	N	N	N	N	N	N	N	N	N	N

Fuel Emission Details :

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
12.0 (Metric Tons)	0.00 (Metric Tons)	0.000 (Metric Tons)	0.0 (Metric Tons)	0.0 (Metric Tons)

Fuel : Natural Gas (Weighted U.S. Average)
Tier Name : Tier 2 (Equation C-2a)
Tier Methodology Start Date : 2010-01-01
Tier Methodology End Date : 2010-12-31
Frequency of HHV determinations : Monthly

Tier 2 Monthly HHV Details :

January	February	March	April	May	June	July	August	September	October	November	December
N	N	N	N	N	N	N	N	N	N	N	N

Fuel Emission Details :

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
0.0 (Metric Tons)	0.00 (Metric Tons)	0.000 (Metric Tons)	0.0 (Metric Tons)	0.0 (Metric Tons)

Unit Name : Combustion Turbine Unit 1
Unit Type : CCCT (CC (Turbine, combined cycle))
Unit Description :
Individual Unit Details:
Maximum Rated Heat Input Capacity: 304 (mmBtu/hr)

Emission Details:

Annual Sorbent based CO2 Emissions (metric tons): 0.0
Annual Biogenic CO2 Emissions (metric tons): 0.0
Annual Fossil fuel based CO2 Emissions (metric tons):

Tier Fuel Details:

Fuel : Distillate Fuel Oil No. 2
Tier Name : Tier 2 (Equation C-2a)
Tier Methodology Start Date : 2010-01-01
Tier Methodology End Date : 2010-12-31
Frequency of HHV determinations : Monthly

Tier 2 Monthly HHV Details :

January	February	March	April	May	June	July	August	September	October	November	December
N	N	N	N	N	N	N	N	N	N	N	N

Fuel Emission Details :

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
10.0 (Metric Tons)	0.00 (Metric Tons)	0.000 (Metric Tons)	0.0 (Metric Tons)	0.0 (Metric Tons)

Fuel : Natural Gas (Weighted U.S. Average)
Tier Name : Tier 2 (Equation C-2a)

Tier Methodology Start Date : 2010-01-01
Tier Methodology End Date : 2010-12-31
Frequency of HHV determinations : Monthly

Tier 2 Monthly HHV Details :

January	February	March	April	May	June	July	August	September	October	November	December
N	N	N	N	N	N	N	N	N	N	N	N

Fuel Emission Details :

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
0.0 (Metric Tons)	0.00 (Metric Tons)	0.000 (Metric Tons)	0.0 (Metric Tons)	0.0 (Metric Tons)

Unit Name : Combustion Turbine Unit 3
Unit Type : CCCT (CC (Turbine, combined cycle))
Unit Description :

Individual Unit Details:

Maximum Rated Heat Input Capacity: 304 (mmBtu/hr)

Emission Details:

Annual Sorbent based CO2 Emissions (metric tons): 0.0

Annual Biogenic CO2 Emissions (metric tons): 0.0

Annual Fossil fuel based CO2 Emissions (metric tons):

Tier Fuel Details:

Fuel : Natural Gas (Weighted U.S. Average)
Tier Name : Tier 2 (Equation C-2a)
Tier Methodology Start Date : 2010-01-01
Tier Methodology End Date : 2010-12-31
Frequency of HHV determinations : Monthly

Tier 2 Monthly HHV Details :

January	February	March	April	May	June	July	August	September	October	November	December
N	N	N	N	N	N	N	N	N	N	N	N

Fuel Emission Details :

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
0.4 (Metric Tons)	0.00 (Metric Tons)	0.000 (Metric Tons)	0.0 (Metric Tons)	0.0 (Metric Tons)

Fuel : Distillate Fuel Oil No. 2
Tier Name : Tier 2 (Equation C-2a)
Tier Methodology Start Date : 2010-01-01
Tier Methodology End Date : 2010-12-31
Frequency of HHV determinations : Monthly

Tier 2 Monthly HHV Details :

January	February	March	April	May	June	July	August	September	October	November	December
N	N	N	N	N	N	N	N	N	N	N	N

Fuel Emission Details :

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
8.4 (Metric Tons)	0.00 (Metric Tons)	0.000 (Metric Tons)	0.0 (Metric Tons)	0.0 (Metric Tons)

	(Tons)	(Tons)		
--	--------	--------	--	--

Mill Creek Station

Certification Statement:

The designated representative or alternate designated representative must sign (i.e., agree to) this certification statement. If you are an agent and you click on "SUBMIT", you are not agreeing to the certification statement, but are submitting the certification statement on behalf of the designated representative or alternate designated representative who is agreeing to the certification statement. An agent is only authorized to make the electronic submission on behalf of the designated representative, not to sign (i.e., agree to) the certification statement.

Facility Name: Mill Creek

Facility Identifier: 530249

Facility Reporting Year: 2010

Facility Location:

Address: 14660 Dixie Highway

City: Louisville

State: KY

Postal Code: 40272

Facility Site Details:

CO2 Equivalent (excluding biogenic, mtons, Subparts C-HH): 9848299.5

CO2 Equivalent (mtons, Subparts NN-PP): 0

Biogenic CO2 (mtons, Subparts C-HH): 0

Cogeneration Unit Emissions Indicator: N

GHG Report Start Date: 2010-01-01

GHG Report End Date: 2010-12-31

Description of Changes to Calculation Methodology: N/A

Description of Best Available Monitoring Methods Used: N/A

Part 75 Biogenic Emissions Indication: No Part 75 methods used

Primary NAICS Code: 221112

Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: LG&E and KU Energy LLC

Address: 220 West Main Street, Louisville, KY 40202

Percent Ownership Interest: 100

Subpart C: General Stationary Fuel Combustion**Gas Information Details**

Gas Name	Other Gas Name	Gas Quantity	Override	Override Explanation
Biogenic Carbon dioxide		0 (Metric Tons)		
Methane		0 (Metric Tons)		
Nitrous Oxide		0 (Metric Tons)		
Carbon Dioxide		175.3 (Metric Tons)		

Unit Details:

Unit Name : GP-01

Unit Type : OCS (Other combustion source)

Unit Description :

Other Unit Name :

Small Unit Aggregation Details:

Highest Maximum Rated Heat Input Capacity: 1.35

Emission Details:

Annual Sorbent based CO2 Emissions (metric tons): 0.0

Annual Biogenic CO2 Emissions (metric tons): 0.0

Annual Fossil fuel based CO2 Emissions (metric tons): 175443.0

Tier Fuel Details:

Fuel : Natural Gas (Weighted U.S. Average)

Tier Name : Tier 2 (Equation C-2a)

Tier Methodology Start Date : 2010-01-01

Tier Methodology End Date : 2010-12-31

Frequency of HHV determinations : Monthly

Tier 2 Monthly HHV Details :

January	February	March	April	May	June	July	August	September	October	November	December
N	N	N	N	N	N	N	N	N	N	N	N

Fuel Emission Details :

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
175.3 (Metric Tons)	0.00 (Metric Tons)	0.000 (Metric Tons)	0.0 (Metric Tons)	0.0 (Metric Tons)

Subpart D: Electricity Generation

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Override	Override Explanation
Biogenic Carbon dioxide		0 (Metric Tons)		
Methane		1232.51 (Metric Tons)		
Nitrous Oxide		175.722 (Metric Tons)		
Carbon Dioxide		9767767.7 (Metric Tons)		

Unit Details:**Unit Name :** 2**Unit Type :** Electricity Generator**Unit Description :** Unit 2 Utility Boiler**Part 75 Methodology :** CEMS**Methodology Start Date:** 2010-01-01**Methodology End Date:** 2010-12-31**Acid Rain Program Indicator:** Y**Emission Details:****Annual CO2 Emissions Including Biomass** (metric tons): 2057845.0**Annual CO2 Emissions Including Biomass** (short tons): 2268347.7**Annual CO2 Emissions from Biomass** (metric tons): 0.0**CEMS Details:****Operating Hours CO2 Concentration Substituted:** 23**Operating Hours Stack Gas Flow Rate Substituted:** 23**Operating Hours Stack Gas Moisture Substituted:****Electricity Fuel Details:****Fuel type :** Bituminous**CH4 Emissions CO2 Equivalent** (metric tons): 5107.1**N2O Emissions CO2 Equivalent** (metric tons): 10965.9**Fuel type :** Natural Gas (Weighted U.S. Average)**CH4 Emissions CO2 Equivalent** (metric tons): 464.3**N2O Emissions CO2 Equivalent** (metric tons): 685.4**Unit Name :** 1**Unit Type :** Electricity Generator**Unit Description :** Unit 1 Utility Boiler**Part 75 Methodology :** CEMS**Methodology Start Date:** 2010-01-01**Methodology End Date:** 2010-12-31**Acid Rain Program Indicator:** Y

Emission Details:**Annual CO2 Emissions Including Biomass** (metric tons): 1799906.7**Annual CO2 Emissions Including Biomass** (short tons): 1984024.1**Annual CO2 Emissions from Biomass** (metric tons): 0.0**CEMS Details:****Operating Hours CO2 Concentration Substituted:** 25**Operating Hours Stack Gas Flow Rate Substituted:** 30**Operating Hours Stack Gas Moisture Substituted:****Electricity Fuel Details:****Fuel type :** Bituminous**CH4 Emissions CO2 Equivalent** (metric tons): 4467.0**N2O Emissions CO2 Equivalent** (metric tons): 9591.4**Fuel type :** Natural Gas (Weighted U.S. Average)**CH4 Emissions CO2 Equivalent** (metric tons): 406.1**N2O Emissions CO2 Equivalent** (metric tons): 599.5**Unit Name :** 4**Unit Type :** Electricity Generator**Unit Description :** Unit 4 Utility Boiler**Part 75 Methodology :** CEMS**Methodology Start Date:** 2010-01-01**Methodology End Date:** 2010-12-31**Acid Rain Program Indicator:** Y**Emission Details:****Annual CO2 Emissions Including Biomass** (metric tons): 3160785.4**Annual CO2 Emissions Including Biomass** (short tons): 3484110.9**Annual CO2 Emissions from Biomass** (metric tons): 0.0**CEMS Details:****Operating Hours CO2 Concentration Substituted:** 73**Operating Hours Stack Gas Flow Rate Substituted:** 426**Operating Hours Stack Gas Moisture Substituted:****Electricity Fuel Details:****Fuel type :** Bituminous**CH4 Emissions CO2 Equivalent** (metric tons): 7844.4**N2O Emissions CO2 Equivalent** (metric tons): 16843.3**Fuel type :** Natural Gas (Weighted U.S. Average)**CH4 Emissions CO2 Equivalent** (metric tons): 713.1**N2O Emissions CO2 Equivalent** (metric tons): 1052.7**Unit Name :** 3**Unit Type :** Electricity Generator**Unit Description :** Unit 3 Utility Boiler**Part 75 Methodology :** CEMS**Methodology Start Date:** 2010-01-01**Methodology End Date:** 2010-12-31

Acid Rain Program Indicator: Y**Emission Details:****Annual CO2 Emissions Including Biomass** (metric tons): 2749230.6**Annual CO2 Emissions Including Biomass** (short tons): 3030457.0**Annual CO2 Emissions from Biomass** (metric tons): 0.0**CEMS Details:****Operating Hours CO2 Concentration Substituted:** 94**Operating Hours Stack Gas Flow Rate Substituted:** 136**Operating Hours Stack Gas Moisture Substituted:****Electricity Fuel Details:****Fuel type :** Bituminous**CH4 Emissions CO2 Equivalent** (metric tons): 6823.0**N2O Emissions CO2 Equivalent** (metric tons): 14650.2**Fuel type :** Natural Gas (Weighted U.S. Average)**CH4 Emissions CO2 Equivalent** (metric tons): 57.7**N2O Emissions CO2 Equivalent** (metric tons): 85.2

Paddy's Run Station

Certification Statement:

The designated representative or alternate designated representative must sign (i.e., agree to) this certification statement. If you are an agent and you click on "SUBMIT", you are not agreeing to the certification statement, but are submitting the certification statement on behalf of the designated representative or alternate designated representative who is agreeing to the certification statement. An agent is only authorized to make the electronic submission on behalf of the designated representative, not to sign (i.e., agree to) the certification statement.

Facility Name: Paddys Run
 Facility Identifier: 530250
 Facility Reporting Year: 2010
 Facility Location:
 Address: 4512 Bells Lane
 City: Louisville
 State: KY
 Postal Code: 40211

Facility Site Details:

CO2 Equivalent (excluding biogenic, mtons, Subparts C-HH): 8730
 CO2 Equivalent (mtons, Subparts NN-PP): 0
 Biogenic CO2 (mtons, Subparts C-HH): 0
 Cogeneration Unit Emissions Indicator: N
 GHG Report Start Date: 2010-01-01
 GHG Report End Date: 2010-12-31
 Description of Changes to Calculation Methodology: N/A
 Description of Best Available Monitoring Methods Used: N/A
 Part 75 Biogenic Emissions Indication: No Part 75 methods used
 Primary NAICS Code: 221112
 Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: LG&E and KU Energy
 Address: 220 West Main Street, Louisville, KY 40202
 Percent Ownership Interest: 100

Subpart C: General Stationary Fuel Combustion**Gas Information Details**

Gas Name	Other Gas Name	Gas Quantity	Override	Override Explanation
Biogenic Carbon dioxide		0 (Metric Tons)		
Methane		0.01 (Metric Tons)		
Nitrous Oxide		0.001 (Metric Tons)		
Carbon Dioxide		848.6 (Metric Tons)		

Unit Details:

Unit Name : GP-01
Unit Type : OCS (Other combustion source)
Unit Description :
Other Unit Name :

Small Unit Aggregation Details:

Highest Maximum Rated Heat Input Capacity: 1.93

Emission Details:

Annual Sorbent based CO2 Emissions (metric tons): 0.0
Annual Biogenic CO2 Emissions (metric tons): 0.0
Annual Fossil fuel based CO2 Emissions (metric tons): 3.6

Tier Fuel Details:

Fuel : Distillate Fuel Oil No. 2
Tier Name : Tier 1 (Equation C-1)
Tier Methodology Start Date : 2010-01-01
Tier Methodology End Date : 2010-12-31

Fuel Emission Details :

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
3.6 (Metric Tons)	0.00 (Metric Tons)	0.000 (Metric Tons)	0.0 (Metric Tons)	0.0 (Metric Tons)

Unit Name : Combustion Turbine 12

Unit Type : SCCT (CT (Turbine, simple cycle combustion))

Unit Description :

Individual Unit Details:

Maximum Rated Heat Input Capacity: 99 (mmBtu/hr)

Emission Details:

Annual Sorbent based CO2 Emissions (metric tons): 0.0

Annual Biogenic CO2 Emissions (metric tons): 0.0

Annual Fossil fuel based CO2 Emissions (metric tons):

Tier Fuel Details:

Fuel : Natural Gas (Weighted U.S. Average)

Tier Name : Tier 2 (Equation C-2a)

Tier Methodology Start Date : 2010-01-01

Tier Methodology End Date : 2010-12-31

Frequency of HHV determinations : Monthly

Tier 2 Monthly HHV Details :

January	February	March	April	May	June	July	August	September	October	November	December
N	N	N	N	N	N	N	N	N	N	N	N

Fuel Emission Details :

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
219.0 (Metric Tons)	0.00 (Metric Tons)	0.000 (Metric Tons)	0.0 (Metric Tons)	0.1 (Metric Tons)

Unit Name : Combustion Turbine 11

Unit Type : SCCT (CT (Turbine, simple cycle combustion))

Unit Description :

Individual Unit Details:

Maximum Rated Heat Input Capacity: 66.5 (mmBtu/hr)

Emission Details:

Annual Sorbent based CO2 Emissions (metric tons): 0.0

Annual Biogenic CO2 Emissions (metric tons): 0.0

Annual Fossil fuel based CO2 Emissions (metric tons):

Tier Fuel Details:

Fuel : Natural Gas (Weighted U.S. Average)

Tier Name : Tier 2 (Equation C-2a)

Tier Methodology Start Date : 2010-01-01

Tier Methodology End Date : 2010-12-31

Frequency of HHV determinations : Monthly

Tier 2 Monthly HHV Details :

January	February	March	April	May	June	July	August	September	October	November	December
N	N	N	N	N	N	N	N	N	N	N	N

Fuel Emission Details :

Total CO2	Total CH4	Total N2O	Total CH4	Total N2O
-----------	-----------	-----------	-----------	-----------

emissions	emissions	emissions	emissions CO2e	emissions CO2e
626.0 (Metric Tons)	0.01 (Metric Tons)	0.001 (Metric Tons)	0.3 (Metric Tons)	0.4 (Metric Tons)

Subpart D: Electricity Generation

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Override	Override Explanation
Biogenic Carbon dioxide		0 (Metric Tons)		
Methane		0.15 (Metric Tons)		
Nitrous Oxide		0.01 (Metric Tons)		
Carbon Dioxide		7874.6 (Metric Tons)		

Unit Details:**Unit Name :** 13**Unit Type :** Electricity Generator**Unit Description :** Combustion Turbine 13**Part 75 Methodology :** CEMS**Methodology Start Date:** 2010-01-01**Methodology End Date:** 2010-12-31**Acid Rain Program Indicator:** Y**Emission Details:****Annual CO2 Emissions Including Biomass** (metric tons): 7874.6**Annual CO2 Emissions Including Biomass** (short tons): 8680.1**Annual CO2 Emissions from Biomass** (metric tons): 0.0**CEMS Details:****Operating Hours CO2 Concentration Substituted:** 0**Operating Hours Stack Gas Flow Rate Substituted:** 97**Operating Hours Stack Gas Moisture Substituted:****Electricity Fuel Details:**

Fuel type : Natural Gas (Weighted U.S. Average)
CH4 Emissions CO2 Equivalent (metric tons): 3.2
N2O Emissions CO2 Equivalent (metric tons): 3.1

Trimble County Station

Certification Statement:

The designated representative or alternate designated representative must sign (i.e., agree to) this certification statement. If you are an agent and you click on "SUBMIT", you are not agreeing to the certification statement, but are submitting the certification statement on behalf of the designated representative or alternate designated representative who is agreeing to the certification statement. An agent is only authorized to make the electronic submission on behalf of the designated representative, not to sign (i.e., agree to) the certification statement.

Facility Name: Trimble County

Facility Identifier: 520267

Facility Reporting Year: 2010

Facility Location:

Address: 487 CORN CREEK ROAD

City: BEDFORD

State: KY

Postal Code: 40006

Facility Site Details:

CO2 Equivalent (excluding biogenic, mtons, Subparts C-HH): 3970400.9

CO2 Equivalent (mtons, Subparts NN-PP): 0

Biogenic CO2 (mtons, Subparts C-HH): 0

Cogeneration Unit Emissions Indicator: N

GHG Report Start Date: 2010-01-01

GHG Report End Date: 2010-12-31

Description of Changes to Calculation Methodology: N/A

Description of Best Available Monitoring Methods Used: N/a

Part 75 Biogenic Emissions Indication: No Part 75 methods used

Primary NAICS Code: 221112

Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: LG&E and KU Energy LLC

Address: 220 West Main Street, Louisville, KY 40202

Percent Ownership Interest: 100

Subpart C: General Stationary Fuel Combustion**Gas Information Details**

Gas Name	Other Gas Name	Gas Quantity	Override	Override Explanation
Biogenic Carbon dioxide		0 (Metric Tons)		
Methane		0.03 (Metric Tons)		
Nitrous Oxide		0.01 (Metric Tons)		
Carbon Dioxide		1025 (Metric Tons)		

Unit Details:

Unit Name : 3

Unit Type : OB (Boiler, other)

Unit Description : Auxiliary Steam Boiler

Individual Unit Details:

Maximum Rated Heat Input Capacity: 100 (mmBtu/hr)

Emission Details:

Annual Sorbent based CO2 Emissions (metric tons): 0.0

Annual Biogenic CO2 Emissions (metric tons): 0.0

Annual Fossil fuel based CO2 Emissions (metric tons):

Tier Fuel Details:

Fuel : Distillate Fuel Oil No. 2

Tier Name : Tier 1 (Equation C-1)

Tier Methodology Start Date : 2010-01-01

Tier Methodology End Date : 2010-12-31

Fuel Emission Details :

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
824.0 (Metric Tons)	0.03 (Metric Tons)	0.010 (Metric Tons)	0.6 (Metric Tons)	3.1 (Metric Tons)

Unit Name : GP-01

Unit Type : OCS (Other combustion source)

Unit Description : Preheaters for Units 25 & 26, Units 27 & 28, Units 29 & 30

Other Unit Name :

Small Unit Aggregation Details:

Highest Maximum Rated Heat Input Capacity: 10.9

Emission Details:

Annual Sorbent based CO2 Emissions (metric tons): 0.0

Annual Biogenic CO2 Emissions (metric tons): 0.0

Annual Fossil fuel based CO2 Emissions (metric tons): 201.0

Tier Fuel Details:

Fuel : Natural Gas (Weighted U.S. Average)

Tier Name : Tier 2 (Equation C-2a)

Tier Methodology Start Date : 2010-01-01

Tier Methodology End Date : 2010-12-31

Frequency of HHV determinations : Monthly

Tier 2 Monthly HHV Details :

January	February	March	April	May	June	July	August	September	October	November	December
N	N	N	N	N	N	N	N	N	N	N	N

Fuel Emission Details :

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
201.0 (Metric Tons)	0.00 (Metric Tons)	0.000 (Metric Tons)	0.0 (Metric Tons)	0.1 (Metric Tons)

Subpart D: Electricity Generation

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Override	Override Explanation
Biogenic Carbon dioxide		0 (Metric Tons)		
Methane		535.03 (Metric Tons)		
Nitrous Oxide		83.637 (Metric Tons)		
Carbon Dioxide		3932209.1 (Metric Tons)		

Unit Details:

Unit Name : 8

Unit Type : Electricity Generator

Unit Description : Combustion Turbine Unit 8

Part 75 Methodology : CEMS

Methodology Start Date: 2010-01-01

Methodology End Date: 2010-12-31

Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 62013.0

Annual CO2 Emissions Including Biomass (short tons): 68356.5

Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted (metric tons): 0

Operating Hours Stack Gas Flow Rate Substituted (metric tons): 0
Operating Hours Stack Gas Moisture Substituted (metric tons):

Electricity Fuel Details:

Fuel type : Natural Gas (Weighted U.S. Average) CH4 Emissions CO2 Equivalent (metric tons): 24.2 N2O Emissions CO2 Equivalent (metric tons): 37.2

Unit Name : 1
Unit Type : Electricity Generator
Unit Description : Unit 1 Utility Boiler
Part 75 Methodology : CEMS
Methodology Start Date: 2010-01-01
Methodology End Date: 2010-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 3394989.9
Annual CO2 Emissions Including Biomass (short tons): 3742272.8
Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted (metric tons): 356
Operating Hours Stack Gas Flow Rate Substituted (metric tons): 14
Operating Hours Stack Gas Moisture Substituted (metric tons):

Electricity Fuel Details:

Fuel type : Distillate Fuel Oil No. 2 CH4 Emissions CO2 Equivalent (metric tons): 2297.9 N2O Emissions CO2 Equivalent (metric tons): 6784.2

Fuel type : Bituminous CH4 Emissions CO2 Equivalent (metric tons): 8425.6 N2O Emissions CO2 Equivalent (metric tons): 18091.3

Unit Name : 2
Unit Type : Electricity Generator
Unit Description : Unit 2 Utility Boiler
Part 75 Methodology : CEMS
Methodology Start Date: 2010-01-01
Methodology End Date: 2010-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 112503.0
Annual CO2 Emissions Including Biomass (short tons): 124011.2
Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted (metric tons): 23
Operating Hours Stack Gas Flow Rate Substituted (metric tons): 358
Operating Hours Stack Gas Moisture Substituted (metric tons):

Electricity Fuel Details:

Fuel type : Bituminous CH4 Emissions CO2 Equivalent (metric tons): 272.4 N2O Emissions CO2 Equivalent (metric tons): 584.8

Fuel type : Distillate Fuel Oil No. 2 CH4 Emissions CO2 Equivalent (metric tons): 74.3 N2O Emissions CO2 Equivalent (metric tons): 219.3

Unit Name : 6
Unit Type : Electricity Generator
Unit Description : Combustion Turbine Unit 6
Part 75 Methodology : CEMS
Methodology Start Date: 2010-01-01
Methodology End Date: 2010-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 63254.2
Annual CO2 Emissions Including Biomass (short tons): 69724.6
Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted (metric tons): 0
Operating Hours Stack Gas Flow Rate Substituted (metric tons): 0
Operating Hours Stack Gas Moisture Substituted (metric tons):

Electricity Fuel Details:

Fuel type : Natural Gas (Weighted U.S. Average) CH4 Emissions CO2 Equivalent (metric tons): 24.6 N2O Emissions CO2 Equivalent (metric tons): 37.2

Unit Name : 7
Unit Type : Electricity Generator
Unit Description : Combustion Turbine Unit 7
Part 75 Methodology : CEMS
Methodology Start Date: 2010-01-01
Methodology End Date: 2010-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 78106.9
Annual CO2 Emissions Including Biomass (short tons): 86096.7
Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted (metric tons): 36
Operating Hours Stack Gas Flow Rate Substituted (metric tons): 36
Operating Hours Stack Gas Moisture Substituted (metric tons):

Electricity Fuel Details:

Fuel type : Natural Gas (Weighted U.S. Average) CH4 Emissions CO2 Equivalent (metric tons): 30.5 N2O Emissions CO2 Equivalent (metric tons): 43.4

Unit Name : 5
Unit Type : Electricity Generator
Unit Description : Combustion Turbine Unit 5
Part 75 Methodology : CEMS
Methodology Start Date: 2010-01-01
Methodology End Date: 2010-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 78479.2
Annual CO2 Emissions Including Biomass (short tons): 86507.0
Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted (metric tons): 3
Operating Hours Stack Gas Flow Rate Substituted (metric tons): 3
Operating Hours Stack Gas Moisture Substituted (metric tons):

Electricity Fuel Details:

Fuel type : Natural Gas (Weighted U.S. Average) CH4 Emissions CO2 Equivalent (metric tons): 30.7 N2O Emissions CO2 Equivalent (metric tons): 46.5

Unit Name : 9
Unit Type : Electricity Generator
Unit Description : Combustion Turbine Unit 9
Part 75 Methodology : CEMS
Methodology Start Date: 2010-01-01
Methodology End Date: 2010-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 78419.6
Annual CO2 Emissions Including Biomass (short tons): 86441.4
Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted (metric tons): 0
Operating Hours Stack Gas Flow Rate Substituted (metric tons): 0
Operating Hours Stack Gas Moisture Substituted (metric tons):

Electricity Fuel Details:

Fuel type : Natural Gas (Weighted U.S. Average) CH4 Emissions CO2 Equivalent (metric tons): 30.5 N2O Emissions CO2 Equivalent (metric tons): 46.5

Unit Name : 10
Unit Type : Electricity Generator
Unit Description : Combustion Turbine Unit 10
Part 75 Methodology : CEMS
Methodology Start Date: 2010-01-01
Methodology End Date: 2010-12-31

Acid Rain Program Indicator: Y**Emission Details:****Annual CO2 Emissions Including Biomass** (metric tons): 64443.3**Annual CO2 Emissions Including Biomass** (short tons): 71035.4**Annual CO2 Emissions from Biomass** (metric tons): 0.0**CEMS Details:****Operating Hours CO2 Concentration Substituted** (metric tons): 0**Operating Hours Stack Gas Flow Rate Substituted** (metric tons): 0**Operating Hours Stack Gas Moisture Substituted** (metric tons):**Electricity Fuel Details:****Fuel type** : Natural Gas (Weighted U.S. Average)**CH4 Emissions CO2 Equivalent** (metric tons): 25.2**N2O Emissions CO2 Equivalent** (metric tons): 37.2

Tyrone Station

Certification Statement:

The designated representative or alternate designated representative must sign (i.e., agree to) this certification statement. If you are an agent and you click on "SUBMIT", you are not agreeing to the certification statement, but are submitting the certification statement on behalf of the designated representative or alternate designated representative who is agreeing to the certification statement. An agent is only authorized to make the electronic submission on behalf of the designated representative, not to sign (i.e., agree to) the certification statement.

Facility Name: Tyrone

Facility Identifier: 530251

Facility Reporting Year: 2010

Facility Location:

Address: 6800 Tyrone Pike

City: Versailles

State: KY

Postal Code: 40383

Facility Site Details:

CO2 Equivalent (excluding biogenic, mtons, Subparts C-HH): 173576.1

CO2 Equivalent (mtons, Subparts NN-PP): 0

Biogenic CO2 (mtons, Subparts C-HH): 0

Cogeneration Unit Emissions Indicator: N

GHG Report Start Date: 2010-01-01

GHG Report End Date: 2010-12-31

Description of Changes to Calculation Methodology: N/A

Description of Best Available Monitoring Methods Used: N/A

Part 75 Biogenic Emissions Indication: No Part 75 methods used

Primary NAICS Code: 221112

Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: LG&E and KU Energy LLC

Address: 220 West Main Street, Louisville, KY 40202

Percent Ownership Interest: 100

Subpart C: General Stationary Fuel Combustion**Gas Information Details**

Gas Name	Other Gas Name	Gas Quantity	Override	Override Explanation
Biogenic Carbon dioxide		0 (Metric Tons)		
Methane		0 (Metric Tons)		
Nitrous Oxide		0 (Metric Tons)		
Carbon Dioxide		0 (Metric Tons)		

Unit Details:

Unit Name : Auxiliary Boiler

Unit Type : OB (Boiler, other)

Unit Description :

Individual Unit Details:

Maximum Rated Heat Input Capacity: 7 (mmBtu/hr)

Emission Details:

Annual Sorbent based CO2 Emissions (metric tons): 0.0

Annual Biogenic CO2 Emissions (metric tons): 0.0

Annual Fossil fuel based CO2 Emissions (metric tons):

Tier Fuel Details:

Fuel : Distillate Fuel Oil No. 2

Tier Name : Tier 1 (Equation C-1)

Tier Methodology Start Date : 2010-01-01

Tier Methodology End Date : 2010-12-31

Fuel Emission Details :

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
0.0 (Metric Tons)	0.00 (Metric Tons)	0.000 (Metric Tons)	0.0 (Metric Tons)	0.0 (Metric Tons)

Subpart D: Electricity Generation

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Override	Override Explanation
Biogenic Carbon dioxide		0 (Metric Tons)		
Methane		25.84 (Metric Tons)		
Nitrous Oxide		4.06 (Metric Tons)		
Carbon Dioxide		171774.9 (Metric Tons)		

Unit Details:

Unit Name : Unit 5 Boiler

Unit Type : Electricity Generator

Unit Description :

Part 75 Methodology : CEMS

Methodology Start Date: 2010-01-01

Methodology End Date: 2010-12-31

Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 171774.9

Annual CO2 Emissions Including Biomass (short tons): 189346.2

Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 257

Operating Hours Stack Gas Flow Rate Substituted: 6

Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type : Distillate Fuel Oil No. 2
CH4 Emissions CO2 Equivalent (metric tons): 116.3
N2O Emissions CO2 Equivalent (metric tons): 343.3

Fuel type : Bituminous
CH4 Emissions CO2 Equivalent (metric tons): 426.3
N2O Emissions CO2 Equivalent (metric tons): 915.4

Zorn Station

Certification Statement:

The designated representative or alternate designated representative must sign (i.e., agree to) this certification statement. If you are an agent and you click on "SUBMIT", you are not agreeing to the certification statement, but are submitting the certification statement on behalf of the designated representative or alternate designated representative who is agreeing to the certification statement. An agent is only authorized to make the electronic submission on behalf of the designated representative, not to sign (i.e., agree to) the certification statement.

Facility Name: LOU GAS & ELEC, ZORN STA

Facility Identifier: 522669

Facility Reporting Year: 2010

Facility Location:

Address: 3001 UPPER RIVER ROAD

City: LOUISVILLE

State: KY

Postal Code: 40207

Facility Site Details:

CO2 Equivalent (excluding biogenic, mtons, Subparts C-HH): 238.3

CO2 Equivalent (mtons, Subparts NN-PP): 0

Biogenic CO2 (mtons, Subparts C-HH): 0

Cogeneration Unit Emissions Indicator: N

GHG Report Start Date: 2010-01-01

GHG Report End Date: 2010-12-31

Description of Changes to Calculation Methodology: N/A

Description of Best Available Monitoring Methods Used: N/A

Part 75 Biogenic Emissions Indication: No Part 75 methods used

Primary NAICS Code: 221112

Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: LG&E and KU Energy LLC

Address: 220 West Main Street, Louisville, KY 40202

Percent Ownership Interest: 100

Subpart C: General Stationary Fuel Combustion**Gas Information Details**

Gas Name	Other Gas Name	Gas Quantity	Override	Override Explanation
Biogenic Carbon dioxide		0 (Metric Tons)		
Methane		0 (Metric Tons)		
Nitrous Oxide		0 (Metric Tons)		
Carbon Dioxide		238.3 (Metric Tons)		

Unit Details:

Unit Name : Small Bore Cranking Diesel

Unit Type : RICE (Reciprocating internal combustion engine)

Unit Description :

Individual Unit Details:

Maximum Rated Heat Input Capacity: 0.76 (mmBtu/hr)

Emission Details:

Annual Sorbent based CO2 Emissions (metric tons): 0.0

Annual Biogenic CO2 Emissions (metric tons): 0.0

Annual Fossil fuel based CO2 Emissions (metric tons):

Tier Fuel Details:

Fuel : Distillate Fuel Oil No. 2

Tier Name : Tier 1 (Equation C-1)

Tier Methodology Start Date : 2010-01-01

Tier Methodology End Date : 2010-12-31

Fuel Emission Details :

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
1.3 (Metric Tons)	0.00 (Metric Tons)	0.000 (Metric Tons)	0.0 (Metric Tons)	0.0 (Metric Tons)

Unit Name : Combustion Turbine 1

Unit Type : CCCT (CC (Turbine, combined cycle))

Unit Description :

Individual Unit Details:

Maximum Rated Heat Input Capacity: 65.9 (mmBtu/hr)

Emission Details:

Annual Sorbent based CO2 Emissions (metric tons): 0.0

Annual Biogenic CO2 Emissions (metric tons): 0.0

Annual Fossil fuel based CO2 Emissions (metric tons):

Tier Fuel Details:

Fuel : Natural Gas (Weighted U.S. Average)

Tier Name : Tier 2 (Equation C-2a)

Tier Methodology Start Date : 2010-01-01

Tier Methodology End Date : 2010-12-31

Frequency of HHV determinations : Monthly

Tier 2 Monthly HHV Details :

January	February	March	April	May	June	July	August	September	October	November	December
N	N	N	N	N	N	N	N	N	N	N	N

Fuel Emission Details :

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
237.0 (Metric Tons)	0.00 (Metric Tons)	0.000 (Metric Tons)	0.0 (Metric Tons)	0.1 (Metric Tons)

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

Case Nos. 2011-00161 and 2011-00162

**Response to Information Requested in Hearing
Dated November 10, 2011**

Question No. 4

Witness: Lonnie E. Bellar

- Q-4. Prior to communicating the changes resulting from the Settlement to customers, provide a copy of the Companies' ECR communications plan on how the settlement and increase will be presented to customers.
- A-4. Once developed, the Companies will provide a copy of its communication plans prior to presenting it to customers.