September 8, 2011


Dear Mr. DeRouen:

Enclosed please find an original and fifteen (15) copies of Louisville Gas and Electric Company’s (LG&E) supplemental response to Question No. 7(c) of the Kentucky Industrial Utility Customers’s (KIUC) First Set of Data Requests dated July 12, 2011, in the above-referenced matter filed pursuant to the Commission’s Order dated September 1, 2011.

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

Sincerely,

Robert M. Conroy

cc: Parties of Record
COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

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

LOUISVILLE GAS AND ELECTRIC COMPANY

RESPONSE PURSUANT TO SEPTEMBER 1, 2011 ORDER TO THE KENTUCKY INDUSTRIAL UTILITY CUSTOMER'S, INC. (KIUC) FIRST SET OF DATA REQUESTS, ITEM 7(C) DATED JULY 12, 2011

FILED: SEPTEMBER 8, 2011
VERIFICATION
COMMONWEALTH OF KENTUCKY ) ) SS:
COUNTY OF JEFFERSON )

The undersigned, Daniel K. Arbough, being duly sworn, deposes and says that he is Treasurer for Louisville Gas and Electric 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.

Daniel K. Arbough

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 24th day of September 2011.

Notary Public

My Commission Expires:

July 21, 2015
Q-7. Refer to the PPL Corporation presentation on May 11, 2011 to the Deutsche Bank Conference available on the PPL website.

c. On 12 of that presentation entitled “Capital Expenditures,” the presentation shows “LKE ECR” capital expenditures of $0.2 billion in 2011, $0.7 billion in 2012, $0.8 billion in 2013, $0.8 billion in 2014, and $0.5 billion in 2015, or a total of $3.0 billion over the five year period. Please provide the underlying support for these projections at the most detailed level available including, but not limited to, all financial statement projections.

A-7.

c. The attached information shows the detail behind the numbers included in the slide marked as page 12 and entitled “Capital Expenditures” in portions of the columns designated “LKE ECR” capital expenditures, presented by PPL at the Deutsche Bank conference in May 2011. The projections include estimated costs for the ECR projects that are the subject of this case as well as previously approved ECR projects and future projects for which no ECR application has been made. Estimated costs included in the information are as of a date prior to the ECR filings. The estimates for the projects contained in this ECR filing were refined during the period between the preparation of the presentation by PPL at the Deutsche Bank conference in May 2011 and the ECR filing on June 1, 2011. The numbers in the PPL presentation slide include only projected costs to be included in FERC account 107.
LKE Capex (no SCRs for 2011-2020)

500s

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List of significant projects:

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Account 107- CWIP
Account 108- Cost of Removal and reserve
LKE Capex (no SCRs for 2011-2020) $000s

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List of significant projects:
Environmental EPA regulations:
- Mill Creek 4 - SCR Upgrade
- Brown 2 - Baghouse
- Brown 3 - Baghouse
- Ghent 1 - Baghouse
- Ghent 2 - Baghouse
- Ghent 3 - Baghouse
- Mill Creek 1 - Baghouse
- Mill Creek 2 - Baghouse
- Mill Creek 3 - Baghouse
- Trimble 1 - Baghouse
- Mill Creek 1 - Combined 1&2 FGD
- Mill Creek 2 - Combined 1&2 FGD
- Mill Creek 2 - FGD (U4 update and tie in)
- Mill Creek 3 - FGD
- SAM Mitigation, SCR Turndown
- Environmental Air Study
- CCP Ruling Incremental Capex
- Incremental BR Landfill

Total Environmental EPA regulations 718,515 204 718,719

Brown Landfill (+ row 32) 6,264 - 6,264
Ghent Landfill 61,270 - 61,270
Cane Run Landfill 11,243 - 11,243
Trimble CCP - - -
Landfills/Ponds - - -
SCRs 1,500 - 1,500
FGDs - - -

Account 107- CWIP
Account 108- Cost of Removal and reserve
List of significant projects:

- Mill Creek 4 - Baghouse
- Brown 1 - Baghouse
- Brown 2 - Baghouse
- Brown 3 - Baghouse
- Ghent 1 - Baghouse
- Ghent 2 - Baghouse
- Ghent 3 - Baghouse
- Ghent 4 - Baghouse
- Trimble 1 - Baghouse
- Mill Creek 1 - Combined 1&2 FGD
- Mill Creek 2 - Combined 1&2 FGD
- Mill Creek 2 - FGD (U4 update and tie in)
- Mill Creek 4 - FGD
- SAM Mitigation, SCR Turndown
- Environmental Air Study
- CCP Ruling Incremental Capex
- Incremental BR Landfill
- Total Environmental EPA regulations

Account 107- CW/II
Account 108- Cost of Removal and reserve

Attachment to SUPPLEMENTAL Response to KIUC-1 Question No. 7(c)
KU Capex (no SCRs for 2011-2020)

$000s

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List of significant projects:

Environmental EPA regulations:

- Mill Creek 4 - SCR Upgrade
- Brown 1 - Baghouse
- Brown 2 - Baghouse
- Brown 3 - Baghouse
- Ghent 1 - Baghouse
- Ghent 2 - Baghouse
- Ghent 3 - Baghouse
- Ghent 4 - Baghouse
- Mill Creek 1 - Baghouse
- Mill Creek 2 - Baghouse
- Mill Creek 3 - Baghouse
- Mill Creek 4 - Baghouse
- Trimble 1 - Baghouse
- Mill Creek 1 - Combined 1 & 2 FGD
- Mill Creek 2 - Combined 1 & 2 FGD
- Mill Creek 2 - FGD (U4 update and tie in)
- Mill Creek 4 - FGD
- SAM Mitigation, SCR Turndown
- Environmental Air Study
- CCP Ruling Incremental Capex
- Incremental BR Landfill
- Brown Landfill (+ row 32)
- Ghent Landfill
- Cane Run Landfill
- Trimble CCP
- Landfills/Ponds
- SCRs
- FGDs

Account 107- CWIP
Account 108- Cost of Removal and reserve

Attachment to SUPPLEMENTAL Response to KIUC-1 Question No. 7(c)
KU Capex (no SCRs for 2011-2020)
$000s

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List of significant projects:

Environmental EPA regulations:
- Mill Creek 4 - SCR Upgrade
- Brown 1 - Baghouse
- Brown 2 - Baghouse
- Brown 3 - Baghouse
- Ghent 1 - Baghouse
- Ghent 2 - Baghouse
- Ghent 3 - Baghouse
- Ghent 4 - Baghouse
- Mill Creek 1 - Baghouse
- Mill Creek 2 - Baghouse
- Mill Creek 3 - Baghouse
- Mill Creek 4 - Baghouse
- Trimble 1 - Baghouse
- Mill Creek 1 - Combined 1 & 2 FGD
- Mill Creek 2 - Combined 1 & 2 FGD
- Mill Creek 2 - FGD (U4 update and tie in)
- Mill Creek 4 - FGD
- SAM Mitigation, SCR Turndown
- Environmental Air Study
- CCP Ruling Incremental Capex
- Incremental BR Landfill
- Total Environmental EPA regulations
- Brown Landfill (+ row 32)
- Ghent Landfill
- Cane Run Landfill
- Trimble CCP
- Landfills/Ponds
- SCRs
- FGDs

Account 107- CWIP
Account 108- Cost of Removal and reserve

Attachment to SUPPLEMENTAL Response to KIUC-1 Question No. 7(c)
## KU Capex (no SCR for 2011-2020) $000s

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### List of significant projects:

#### Environmental EPA regulations:

- **Mill Creek 4 - SCR Upgrade**
  - Brown 1 - Baghouse
  - Brown 2 - Baghouse
  - Brown 3 - Baghouse
  - Ghent 1 - Baghouse
  - Ghent 2 - Baghouse
  - Ghent 3 - Baghouse
  - Ghent 4 - Baghouse
  - Mill Creek 1 - Baghouse
  - Mill Creek 2 - Baghouse
  - Mill Creek 3 - Baghouse
  - Mill Creek 4 - Baghouse
  - Trirnble 1 - Baghouse
  - Mill Creek 1 - Combined 1&2 FGD
  - Mill Creek 2 - Combined 1&2 FGD
  - Mill Creek 2 - FGD (U4 update and tie in)
  - Mill Creek 4 - FGD
  - SAM Mitigation, SCR Turndown
  - Environmental Air Study
  - CCP Ruling Incremental Capex
  - Incremental BR Landfill

#### Total Environmental EPA regulations:

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**Account 107- CWIP**

**Account 108- Cost of Removal and reserve**

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Attachment to SUPPLEMENTAL Response to KIUC-1 Question No. 7(c)

Page 6 of 9

Arbough
## LGE Capex (no SCRs for 2011-2020)

### $000s

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### List of significant projects:

#### Environmental EPA regulations:
- Mill Creek 4 - SCR Upgrade
- Brown 1 - Baghouse
- Brown 2 - Baghouse
- Brown 3 - Baghouse
- Brown 4 - Baghouse
- Ghent 1 - Baghouse
- Ghent 2 - Baghouse
- Ghent 3 - Baghouse
- Ghent 4 - Baghouse
- Mill Creek 1 - Baghouse
- Mill Creek 2 - Baghouse
- Mill Creek 3 - Baghouse
- Mill Creek 4 - Baghouse
- Trimble 1 - Baghouse
- Mill Creek 1 - Combined 1 & 2 FGD
- Mill Creek 2 - Combined 1 & 2 FGD
- Mill Creek 3 - FGD (U4 update and tie in)
- Mill Creek 4 - FGD
- SAM Mitigation, SCR Turndown
- Environmental Air Study
- CCP Ruling Incremental Capex
- Incremental BR Landfill

#### Total Environmental EPA regulations
- Mill Creek Landfill (+ row 32)
- Cane Run Landfill
- Trimble CCP
- Landfills/Ponds
- SCRs
- FGDs

### Account 107- CWIP
- Account 108- Cost of Removal and reserve
### LGE Capex (no SCRs for 2011-2020)

#### $000s

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#### List of significant projects:

**Environmental EPA regulations:**
- Mill Creek 4 - SCR Upgrade
- Brown 1 - Baghouse
- Brown 2 - Baghouse
- Brown 3 - Baghouse
- Ghent 1 - Baghouse
- Ghent 2 - Baghouse
- Ghent 3 - Baghouse
- Ghent 4 - Baghouse
- Mill Creek 1 - Baghouse
- Mill Creek 2 - Baghouse
- Mill Creek 3 - Baghouse
- Mill Creek 4 - Baghouse
- Mill Creek 1 - Combined 1&2 FGD
- Mill Creek 2 - Combined 1&2 FGD
- Mill Creek 3 - FGD (U4 update and tie in)
- Mill Creek 4 - FGD
- SAM Mitigation, SCR Turndown
- Environmental Air Study
- CCP Ruling Incremental Capex
- Incremental BR Landfill
- Total Environmental EPA regulations
- Brown Landfill (+ row 32)
- Ghent Landfill
- Cane Run Landfill
- Trimble CCP
- Landfills/Ponds
- SCRs
- FGDs

**Account 107:** CWIP

**Account 108:** Cost of Removal and reserve
LGE Capex (no SCRs for 2011-2020)

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List of significant projects:

Environmental EPA regulations:
- Mill Creek 4 - SCR Upgrade
- Brown 1 - Baghouse
- Brown 2 - Baghouse
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- Ghent 1 - Baghouse
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- Ghent 3 - Baghouse
- Ghent 4 - Baghouse
- Mill Creek 1 - Baghouse
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- Mill Creek 3 - Baghouse
- Mill Creek 4 - Baghouse
- Trimble 1 - Baghouse
- Mill Creek 1 - Combined 1&2 FGD
- Mill Creek 2 - Combined 1&2 FGD
- Mill Creek 3 - FGD (U4 update and tie in)
- Mill Creek 4 - FGD
- SAM Mitigation, SCR Turndown
- Trimble CCP
- Landfills/Ponds
- SCRs
- FGDs

Account 107 - CWIP
Account 108 - Cost of Removal and reserve