



LG&E Energy LLC
220 West Main Street (40202)
P.O. Box 32030
Louisville, Kentucky 40232

July 14, 2005

Elizabeth O'Donnell
Executive Director
Kentucky Public Service Commission
211 Sower Boulevard
Frankfort, Kentucky 40602-0615

RECEIVED

JUL 14 2005

PUBLIC SERVICE
COMMISSION

RE: Joint Application of Louisville Gas and Electric Company and Kentucky Utilities Company for a Certificate of Public Convenience and Necessity for the Construction of Transmission Facilities in Jefferson, Bullitt, Meade and Hardin Counties, Kentucky
Case No. 2005-00142

Application of Kentucky Utilities Company for a Certificate of Public Convenience and Necessity for the Construction of Transmission Facilities in Franklin, Woodford and Anderson Counties, Kentucky
Case No. 2005-00154

Application of Louisville Gas and Electric Company for a Certificate of Public Convenience and Necessity for the Construction of Transmission Facilities in Trimble County, Kentucky
Case No. 2005-00155

Dear Ms. O'Donnell:

Enclosed please find a supplement to Louisville Gas and Electric Company's ("LG&E") and Kentucky Utilities Company's ("KU") Response to the Commission Staff's First Data Request dated June 30, 2005 in the above-referenced dockets. The enclosed maps are a supplemental attachment to the response to Question No. 9. The attached table is a supplement to the response to Question No. 12.

Should you have any questions concerning the enclosed, please do not hesitate to contact me at (502) 627-4110.

Sincerely,

John Wolfram
Manager, Regulatory Affairs

cc: Parties of Record

LGE Energy LLC
Facility Rating Program (R.J)

Tyrone to Adams 138 kV (108-734,65-714)

Summer Ambient 96.0000

Winter Ambient 23° F

Wind Speed 2 MPH

Last Updated: 10/27/2004 (Wave Trap)

| Item Description | SN | SE | WN | WE | |
|---|-------------|-------|-------|-------|-----|
| Tyrone | | | | | |
| Adams | | | | | |
| Bus : 500 MCM 37X CU | 837 | 1033 | 1207 | 1334 | |
| Switch : 65-714B | 630 < | 720 < | 792 < | 810 | |
| Riser : 500 MCM 37X CU | 837 | 1033 | 1207 | 1334 | |
| Brkr CT: Set 800-5/1200-5 | 800 | 980 | 800 | 980 | |
| Breaker : 65-714 | 1200 | 1200 | 1200 | 1200 | |
| Brkr CT: Set 1200-5/1200-5 | 1200 | 1200 | 1200 | 1200 | |
| Jumper : 500 MCM 37X CU | 837 | 1033 | 1207 | 1334 | |
| Disc : 65-714L | 630 < | 720 < | 792 < | 810 | |
| Wave Trap | 800 | 800 | 800 | 800 < | |
| Line Riser : 500 MCM 37X CU | 837 | 1033 | 1207 | 1334 | |
| Transfer Switch: 65-717 | 630 | 720 | 792 | 810 | |
| Transfer Bus: 300 MCM 19X CU | 608 | 745 | 872 | 961 | |
| * 556.5 MCM 26X7 ACSR 176/176°F 19.49 mi. | 742 | 742 | 1072 | 1072 | |
| Transfer Bus: 300 MCM 19X CU | 608 | 745 | 872 | 961 | |
| Transfer Switch: 108-747 | 630 | 720 | 792 | 810 | |
| Line Riser : 500 MCM 37X CU | 837 | 1033 | 1207 | 1334 | |
| Wave Trap | 800 | 800 | 800 | 800 < | |
| Disc : 108-744L | 630 < | 720 < | 792 < | 810 | |
| Jumper : 500 MCM 37X CU | 837 | 1033 | 1207 | 1334 | |
| Brkr CT: Set 1200-5/1200-5 | 1200 | 1200 | 1200 | 1200 | |
| Breaker : 108-734 | 1200 | 1200 | 1200 | 1200 | |
| Brkr CT: Set 1200-5/1200-5 | 1200 | 1200 | 1200 | 1200 | |
| Riser : 500 MCM 37X CU | 837 | 1033 | 1207 | 1334 | |
| Switch : 108-744B | 630 < | 720 < | 792 < | 810 | |
| Bus : 750 MCM 37X CU | 1074 | 1333 | 1554 | 1722 | |
| Limit: | Amps | 630 | 720 | 792 | 800 |
| | MVA | 151 | 172 | 189 | 191 |

**LGE Energy LLC
Facility Rating Program (RJ)**

Summer Ambient 96.0000
Winter Ambient 23° F

**Pocket N to Pocket 161 kV line And Pocket 161/69 kV transformer
(203-808,70-608)**

Last Updated: 5/4/2005 (795 MCM 26X7 ACSR 176/176°F 0.14 mi.)

Wind Speed 2 MPH

| Item Description | SN | SE | WN | WE |
|--|-----------|-----------|-----------|-----------|
| Pocket North | | | | |
| Pocket 161 kV | | | | |
| Main Bus: 4" AL TUBE 40 6063 | 2943 | 3821 | 4418 | 4983 |
| Riser : 2-2½" AL TUBE 40 6063 | 3785 | 4840 | 5611 | 6294 |
| Bus : 4" AL TUBE 40 6063 | 2943 | 3821 | 4418 | 4983 |
| Switch : 203-808B | 1260 | 1440 | 1584 | 1620 |
| Jumper : 1272 MCM 45X7 ACSR | 1212 | 1511 | 1765 | 1955 |
| Brkr CT: Set 1200-5/2000-5 | 1200 | 1549 | 1200 | 1549 |
| Breaker : 203-808 | 1600 | 1600 | 1600 | 1600 |
| Brkr CT: Set 2000-5/2000-5 | 2000 | 2000 | 2000 | 2000 |
| Jumper : 1272 MCM 45X7 ACSR | 1212 | 1511 | 1765 | 1955 |
| Switch : 203-808L | 1260 | 1440 | 1584 | 1620 |
| Line Riser : 1272 MCM 45X7 ACSR | 1212 | 1511 | 1765 | 1955 |
| * 795 MCM 26X7 ACSR 176/176°F 0.14 mi. | 930 | 930 | 1349 | 1349 |
| Line Riser : 2-795 MCM 26X7 ACSR | 1861 | 2306 | 2697 | 2981 |
| Switch : 70-803 | 1260 | 1440 | 1584 | 1620 |
| Jumper : 556.5 MCM 26X7 ACSR | 742 < | 915 < | 1072 < | 1182 < |
| Limit: Amps | 742 | 915 | 1072 | 1182 |
| MVA | 207 | 255 | 299 | 330 |
| Pocket 161 kV | | | | |
| Pocket 69 kV | | | | |
| Xfmr CT: Set 2000-5/2000-5 | 2000 | 2000 | 2000 | 2000 |
| Xfmr CT: Set 2000-5/2000-5 | 2000 | 2000 | 2000 | 2000 |
| Transformer T-222 161 kV 187 MVA 65°C | 671 < | 771 < | 871 | 904 |
| ----- | | | | |
| Transformer T-222 69 kV 187 MVA 65°C | 1565 < | 1799 < | 2033 | 2109 |
| Xfmr CT: Set 2000-5/2000-5 | 2000 | 2000 | 2000 < | 2000 < |
| Jumper : 2-1272 MCM 45X7 ACSR | 2425 | 3021 | 3529 | 3910 |
| Brkr CT: Set 2000-5/2000-5 | 2000 | 2000 | 2000 < | 2000 < |
| Breaker : 70-608 | 2000 | 2000 | 2000 < | 2000 < |
| Brkr CT: Set 2000-5/2000-5 | 2000 | 2000 | 2000 < | 2000 < |
| Riser : 2-1272 MCM 45X7 ACSR | 2425 | 3021 | 3529 | 3910 |
| Switch : 70-608B | 1680 | 1920 | 2112 | 2160 |
| Bus : 3" AL TUBE 40 6063 | 2291 | 2949 | 3414 | 3839 |
| Limit: Amps | 671 | 771 | 2000 | 2000 |
| MVA | 187 | 215 | 239 | 239 |