



a PPL company

Mr. Jeff DeRouen
Executive Director
Kentucky Public Service Commission
211 Sower Boulevard
Frankfort, KY 40602

March 1, 2013

**RE: *AN EXAMINATION OF THE APPLICATION OF THE FUEL
ADJUSTMENT CLAUSE OF LOUISVILLE GAS AND ELECTRIC
COMPANY FROM NOVEMBER 1, 2010 THROUGH OCTOBER 31,
2012 - CASE NO. 2012-00553***

Dear Mr. DeRouen:

Please find enclosed and accept for filing the original and eight (8) copies of the Direct Testimony of Charles R. Schram and Mike Dotson and the Response of Louisville Gas and Electric Company to the First Request for Information in Appendix B of the Commission's Order dated February 13, 2013, in the above-referenced matter.

Also enclosed are an original and ten (10) copies of a Petition for Confidential Protection regarding certain information provided in response to Question Nos. 6, 9, 22 and 25.

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

Sincerely,

Robert M. Conroy

Enclosures

RECEIVED

MAR 1 2013

PUBLIC SERVICE
COMMISSION

**Louisville Gas and
Electric Company**
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

RECEIVED

MAR 1 2013

PUBLIC SERVICE
COMMISSION

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

AN EXAMINATION OF THE)	
APPLICATION OF THE FUEL)	
ADJUSTMENT CLAUSE OF)	CASE NO.
LOUISVILLE GAS AND ELECTRIC)	2012-00553
COMPANY FROM NOVEMBER 1, 2010)	
THROUGH OCTOBER 31, 2012)	

**PETITION OF LOUISVILLE GAS AND ELECTRIC COMPANY
FOR CONFIDENTIAL PROTECTION**

Louisville Gas and Electric Company (“LG&E”), pursuant to 807 KAR 5:001, Section 13, respectfully petitions the Commission to classify as confidential and protect from public disclosure certain information provided by LG&E in response to Question Nos. 6, 9, 22, and 25 of the Commission’s data requests, as contained in Appendix B of the Commission’s Order dated February 13, 2013. The information for which LG&E requests confidential treatment (“Confidential Information”) pertains to forecasted sales revenues (No. 6), planned maintenance schedules (No. 9), a copy of three settlement agreements with two of LG&E’s coal suppliers (for Question No. 22(a)), and bid analysis information (No. 25). In support of this Motion, LG&E notes that the Commission has treated this information as confidential in LG&E’s recent six-month and two-year fuel adjustment clause review proceedings.

In further support of this Motion, LG&E states as follows:

1. Under the Kentucky Open Records Act, the Commission is entitled to withhold from public disclosure information confidentially disclosed to it to the extent that open disclosure would permit an unfair commercial advantage to competitors of the entity disclosing

the information to the Commission. *See* KRS 61.878(1)(c). Public disclosure of the information identified herein would, in fact, prompt such a result for the reasons set forth below.

2. Public disclosure of projected sales revenues, which are driven by and based on projected power prices, would afford LG&E's competitors a distinct competitive advantage in bidding for and securing new bulk power loads, as competitors could use LG&E's projected prices to outbid LG&E for these loads. Thus, public disclosure of the information requested in Question No. 6 would afford an undue preference to LG&E's wholesale power purchasers and sellers, as the latter would enjoy an obvious advantage in any contractual negotiation to the extent they knew the Company's forward price projections. As noted above, the Commission has treated such information as confidential in the past.

3. Similarly, public disclosure of information regarding LG&E's plant maintenance schedules would lay bare critical "down time" information, an essential factor in determining LG&E's generating costs and need for power and energy during those periods. Thus, disclosing the information requested in Question No. 9 would necessarily impair LG&E's ability to negotiate with prospective contractors and vendors -- now equipped to manipulate the price of power bid to LG&E to maximize revenues -- and would likewise arm LG&E's competitors with information with which they could erode LG&E's competitive position in the wholesale power market. As noted above, the Commission has treated such information as confidential in the past.

4. Disclosure of the Settlement Agreements could damage LG&E's competitive position and business interests. The Settlement Agreements consider and analyze the costs LG&E's coal suppliers incur to comply with the MINER Act, which in turn affects the coal price increases LG&E is willing to pay its coal suppliers for their claimed compliance costs. If the

Commission grants public access to the information requested in Question No. 22(a), LG&E's current and potential coal suppliers could manipulate their bids to the detriment of LG&E and its ratepayers by tailoring bids to correspond to and comport with LG&E's MINER compliance cost evaluation criteria and process.

5. Disclosure of the factors underlying LG&E's bid analysis/selection process would likewise damage LG&E's competitive position and business interests. This information reveals the business model the Company uses -- the procedure it follows and the factors/inputs it considers -- in evaluating bids for coal supply. If the Commission grants public access to the information requested in Question No. 25, potential bidders could manipulate the bid solicitation process to the detriment of LG&E and its ratepayers by tailoring bids to correspond to and comport with LG&E's bidding criteria and process. As noted above, the Commission has treated such information as confidential in the past.

6. The information for which LG&E is seeking confidential treatment is not known outside of LG&E, is not disseminated within LG&E except to those employees with a legitimate business need to know and act upon the information, and is generally recognized as confidential and proprietary information in the energy industry.

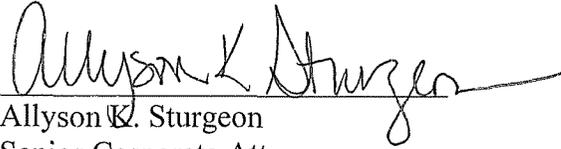
7. LG&E does not object to limited disclosure of the confidential information described herein, pursuant to an acceptable protective agreement, to intervenors with legitimate interests in reviewing the same for the purpose of participating in this case.

8. In accordance with the provisions of 807 KAR 5:001, Section 13, LG&E is filing with the Commission one copy of the Confidential Information highlighted and ten (10) copies without the Confidential Information.

WHEREFORE, Louisville Gas and Electric Company respectfully requests that the Commission grant confidential protection to the information designated as confidential for a period of five years from the date of filing the same.

Dated: March 1, 2013

Respectfully submitted,



Allyson K. Sturgeon
Senior Corporate Attorney
LG&E and KU Services Company
220 West Main Street
Louisville, Kentucky 40202
Telephone: (502) 627-2088

Counsel for Louisville Gas and Electric Company

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

AN EXAMINATION OF THE APPLICATION OF)	
THE FUEL ADJUSTMENT CLAUSE OF)	
LOUISVILLE GAS AND ELECTRIC COMPANY)	CASE NO.
FROM NOVEMBER 1, 2010 THROUGH OCTOBER 31,)	2012-00553
2012)	

DIRECT TESTIMONY OF
CHARLES R. SCHRAM
DIRECTOR – ENERGY PLANNING, ANALYSIS & FORECASTING
LG&E AND KU SERVICES COMPANY

Filed: March 1, 2013

1 **Q. Please state your name and business address.**

2 A. My name is Charles R. Schram. My position is Director – Energy Planning,
3 Analysis, and Forecasting for LG&E and KU Services Company, which provides
4 services to Louisville Gas and Electric Company (“LG&E” or “the Company”)
5 and Kentucky Utilities Company (“KU”) (collectively “the Companies”). My
6 business address is 220 West Main Street, Louisville, Kentucky 40202. A
7 complete statement of my education and work experience is attached to this
8 testimony as Appendix A.

9 **Q. What is the purpose of your testimony?**

10 A. I am submitting this testimony in accordance with the Order entered in this
11 proceeding by the Commission on February 13, 2013 (“Order”), directing LG&E
12 to file written direct testimony to address changes in the wholesale electric power
13 market that significantly affected, or will significantly affect, LG&E’s electric
14 power procurement practices.

15 **Q. What changes have occurred in the wholesale electric power market during
16 the period November 1, 2010 through October 31, 2012 that have
17 significantly affected LG&E’s electric power procurement practices?**

18 A. LG&E’s electric power procurement practices were not significantly affected by
19 any changes in the wholesale electric power market during this period.

20 **Q. How have prices developed in the wholesale power market during the period
21 November 1, 2010 through October 31, 2012 and how did that affect LG&E’s
22 purchases of economy power?**

1 A. The average electric power price during the period November 1, 2010 through
2 October 31, 2012 was \$39.72/MWh, compared to \$42.52/MWh during the
3 previous two-year period (November 1, 2008 through October 31, 2010.)¹ These
4 lower prices were driven largely by lower natural gas prices, which averaged
5 \$3.42/MMBtu during the period November 1, 2010 through October 31, 2012,
6 compared to \$4.32/MMBtu during the previous two-year period.² Lower market
7 prices for electricity could potentially result in a greater volume of hourly
8 economy electricity purchases. However, the Companies benefited from the
9 addition of low cost generation from Trimble County Unit 2 beginning in January
10 2011. As a result, despite somewhat lower market prices for electricity, hourly
11 economy purchase volumes were reduced by approximately 30% during the
12 period November 1, 2010 to October 31, 2012 compared to the previous two-year
13 period.

14 Low natural gas prices and a low economic growth rate continue to result
15 in relatively weak wholesale power prices. LG&E continues to look for
16 opportunities to purchase hourly power from the wholesale market when the cost
17 is lower than its own resources and when import of this power is supported by
18 adequate transmission availability and other operational parameters.

19 **Q. What changes does LG&E expect to occur in the wholesale power market**
20 **within the next two years that may significantly affect LG&E's electric**
21 **power procurement practices?**

¹ Based on average monthly around-the-clock prices for PJM West Hub.

² Based on average monthly prices for Henry Hub.

1 A. LG&E does not expect changes in the wholesale power market in the next two
2 years which would significantly affect LG&E's power procurement practices.
3 Natural gas continues to set marginal electricity prices in the region. On-shore
4 shale gas supplies are expected to continue to be a growing part of the U.S. gas
5 supply. Consistent with my testimony in the prior 2-year FAC review, most
6 forecasters continue to believe that gas prices will avoid sustained periods of
7 volatility given the demonstrated responsiveness of new shale gas supplies.

8 Regardless of the development of wholesale markets, electric transmission
9 constraints and congestion may at times limit the Company's ability to import
10 power from the wholesale market to serve native load, highlighting the continuing
11 importance of the Company's ability to serve its customers with its own supply
12 side resources to ensure security of supply.

13 The Company is currently evaluating the results of its recent Request for
14 Proposals ("RFP") for capacity and energy. This process enables the Company to
15 thoroughly evaluate the availability and cost of shorter and longer-term market
16 resources to meet customers' energy needs. The RFP enables the Company to
17 thoroughly review market opportunities as part of ensuring effective strategies for
18 producing and securing energy for native load customers.

19 **Q. Does this conclude your testimony?**

20 A. Yes.

VERIFICATION

COMMONWEALTH OF KENTUCKY)
) SS:
COUNTY OF JEFFERSON)

The undersigned, **Charles R. Schram**, being duly sworn, deposes and says that he is Director – Energy Planning, Analysis and Forecasting for LG&E and KU Services Company, and that he has personal knowledge of the matters set forth in the foregoing testimony, and that the answers contained therein are true and correct to the best of his information, knowledge and belief.



Charles R. Schram

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 28th day of February 2013.

 (SEAL)

Notary Public

My Commission Expires:

7/21/2015

Appendix A

Charles R. Schram

Director – Energy Planning, Analysis & Forecasting
LG&E and KU Services Company
220 West Main Street
Louisville, Kentucky 40202
(502) 627-3250

Professional Experience

LG&E and KU

Director, Energy Planning, Analysis & Forecasting	May 2008 – Present
Manager, Transmission Protection & Substations	2006 – 2008
Manager, Business Development	2005 – 2006
Manager, Strategic Planning	2001 – 2005
Manager, Distribution System Planning & Eng.	2000 – 2001
Manager, Electric Metering	1997 – 2000
Information Technology Analyst	1995 – 1997

U.S. Department of Defense – Naval Ordnance Station

Manager, Software Integration	1993 – 1995
Electronics Engineer	1984 – 1993

Education

Master of Business Administration
University of Louisville, 1995
Bachelor of Science – Electrical Engineering
University of Louisville, 1984
E.ON Academy General Management Program: 2002-2003
Center for Creative Leadership, Leadership Development Program: 1998

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

**AN EXAMINATION OF THE APPLICATION)
OF THE FUEL ADJUSTMENT CLAUSE OF)
LOUISVILLE GAS AND ELECTRIC)
COMPANY FROM NOVEMBER 1, 2010)
THROUGH OCTOBER 31, 2012)**

CASE NO. 2012-00553

**DIRECT TESTIMONY OF
MIKE DOTSON
MANAGER – LG&E / LG&E FUELS
LG&E AND KU SERVICES COMPANY**

Filed: March 1, 2013

1 **Q. Please state your name, position and business address.**

2 A. My name is Mike Dotson I am the Manager of LG&E/KU Fuels for LG&E and KU
3 Services Company, which provides services to LG&E and KU Energy, LLC. My
4 business address is 220 West Main Street, Louisville, Kentucky 40202. A statement
5 of my education and work experience is attached to this testimony as Appendix A.

6 **Q. What is the purpose of your testimony?**

7 A. I am submitting this testimony in response to the Order entered in this proceeding by
8 the Commission on February 13, 2013 (“Order”), directing LG&E to file written
9 direct testimony on a number of issues relating to fuel procurement during the two-
10 year period ended October 31, 2012 (“Review Period”).

11 **Q. Please comment generally on the reasonableness of LG&E’s fuel procurement
12 practices during the Review Period.**

13 A. LG&E’s coal procurement practices are sufficiently flexible to allow the Company to
14 respond effectively to changes in market conditions. Although LG&E typically
15 issues formal, sealed-bid solicitations to meet its coal consumption and inventory
16 needs, under its written fuel procurement policy, it may solicit offers through more
17 informal means, or may respond to unsolicited offers to the extent prices and terms
18 and conditions of such offers are competitive with existing market conditions. These
19 practices, by which LG&E is able to make optimal use of the market, are
20 memorialized in LG&E’s written fuel procurement policies and procedures. As noted
21 in response to the Commission’s Order, Item No. 31, the fuel procurement policies
22 and procedures were last changed effective January 1, 2011 and were provided to the
23 Commission in response to Question No. 12 in Case No. 2011-00248

1 During the 2-Year Review Period, LG&E conducted four (4) written coal
2 supply solicitations in the competitive marketplace. A description of each solicitation
3 and associated bid tabulation sheet for the six-month period ended October 31, 2012,
4 is contained in the response to the Commission’s Order, Item No. 25(a) and (b). In
5 addition, each vendor from whom LG&E purchased coal during the six-month period
6 ended October 31, 2012, and the quantities and nature of each purchase (including
7 whether such purchase was a spot or contract purchase), are identified in response to
8 the commission’s Order, Item No. 27.

9 **Q. Did LG&E comply with these fuel procurement policies during the Review**
10 **Period?**

11 A. Yes.

12 **Q. Please describe the coal suppliers’ adherence to contract delivery schedules**
13 **during the Review Period.**

14 A. With the slowdown in the U. S. and global economy it has been a difficult year for
15 the market: weak demand, highly competitive natural gas prices and record consumer
16 stockpiles resulting from mild weather have forced many producers to cut supply.
17 With the slowdown in the market and export demand, coal suppliers have been
18 pushing for delivery under their current contracts.

19 **Q. Do you wish to comment on any other changes that occurred during the Review**
20 **Period?**

21 A. Yes. As noted in prior two (2) year review, since the enactment by Congress of new
22 mining and safety legislation and the resulting U. S. Department of Labor, Mine
23 Safety and Health Administration (“MSHA”) amendment of existing underground

1 mine safety and health regulations (“MINER Act”), there has been a continuing shift
2 in the regulatory and enforcement environment affecting mine output. There have
3 been a number of new mine safety rules and regulations and an increase in
4 enforcement activity and policies. These have resulted in additional costs to mine and
5 supply coal, loss in mine output, delays in obtaining approvals of mining plans and
6 delays in permitting. As noted in our response to the Commission’s Order, Item No.
7 22, a number of LG&E Contract suppliers are seeking to recover their cost increases
8 under the New Impositions Section in LG&E’s contracts.

9 In addition, the mining industry is having difficulty with and experiencing
10 delays in obtaining the necessary environmental permits for their mining operations.
11 This is resulting in mines having to cut production or stop mining in areas altogether
12 while they wait on permits.

13 **Q. What were LG&E’s efforts to ensure the coal suppliers’ adherence to contract**
14 **delivery schedules during the Review Period?**

15 A. A list of all of LG&E’s long-term fuel contracts is contained in the response to the
16 Commission’s Order, Item No. 15 (a) – (k).

17 LG&E regularly communicates with its vendors to identify any potential
18 problems in meeting agreed-upon delivery schedules. LG&E works with its suppliers
19 on an ongoing basis to accommodate genuine production/delivery problems and reach
20 mutually agreeable resolutions. This includes mine visits by LG&E representatives,
21 working with suppliers on allowing deliveries from alternate sources or moving from
22 rail to barge loading to truck to barge loading.

1 LG&E continues to work with its suppliers on deliveries and make-up of force
2 majeure events. This has proven to be an effective strategy over time that results in
3 reasonably priced coal being delivered to our generation stations. In one case,
4 however, LG&E is in litigation with Smoky Mountain Coal/Resources Sales as
5 related to the non-delivery of coal during 2008 and 2009 as noted in the response to
6 the Commission Order, Item No. 24.

7 **Q. Please describe LG&E's efforts to maintain the adequacy of its coal supplies in**
8 **light of any coal supplier's inability or unwillingness to make contract coal**
9 **deliveries.**

10 A. LG&E works with its suppliers on an ongoing basis to ensure deliveries of contracted
11 amounts of coal. LG&E worked with its suppliers on allowing deliveries from
12 alternate sources, and switching modes of transportation when available. LG&E
13 works to diversify its source of supply, obtaining high sulfur coal from Western
14 Kentucky, Indiana, Illinois, Ohio and West Virginia.

15 As previously noted with the slowdown in the U. S. and global economy we
16 have seen a number of producers cutting back production and closing mines. The
17 Central Appalachian Region experienced the majority of the mine closures. The
18 region is experiencing thinning coal seams and costly permitting delays which result
19 in rising production cost. As a result, the Central Appalachian Region is losing more
20 production and market share as buyers switch to lower cost Illinois Basin coal,
21 especially with less reliance on lower-sulfur coal over time.

22 The Illinois Basin coal demand will continue to grow over the next several
23 years. Its relatively inexpensive and abundant reserves, favorable location and the

1 continued construction of scrubbers in the East will increase the demand for this kind
2 of coal.

3 The majority of the coal LG&E uses is supplied from the Illinois Basin.
4 LG&E has seen increase in supply from the region, new mines opening in the region.

5 These efforts, coupled with ongoing procurement pursuant to the Company's
6 policies, produced adequate coal supplies through the end of the Review Period.

7 **Q. Were there any changes in coal market conditions that occurred during the**
8 **Review Period, or that LG&E expects to occur within the next 2 years that have**
9 **significantly affected or will significantly affect the Company's coal procurement**
10 **practices?**

11 A. No. Although the coal market continually changes, there were no material changes in
12 market conditions that significantly affected, or that LG&E believes could
13 significantly affect in the future, the Company's fuel procurement practices.

14 As previously stated with the slowdown in the U. S. and global economy, we
15 saw inventory stockpiles increase and many producers cut supply. The following
16 quotes in the U.S. Energy Information Administration's ("EIA") *Short -Term Energy*
17 *Outlook*, released January 8, 2013 confirm this observation:

18 U. S. Coal Consumption "EIA estimates coal consumption in the electric power
19 sector totaled 829 million short tons in 2012, the lowest amount since 1992. Lower
20 natural gas prices paid by electric generators led to a significant increase in the share
21 of natural gas-fired generation. Higher natural gas prices, coupled with slightly
22 higher electricity demand, will lead to an increase in coal-fired generation over the
23 forecast period."

1 U. S. Coal supply “EIA estimates coal production declined by 6.3% in 2012 along
2 with a drop in domestic consumption. Coal production is expected to decline by a
3 further 3.6% in 2013 as primary and secondary inventory draws combined with a
4 small increase in coal imports meet a small consumption increase in 2013. Although
5 EIA forecasts that coal consumption will remain flat and that inventories will stabilize
6 in 2014, production is forecast to grow by 3% as coal exports rise.”

7 U. S. Coal Trade “EIA estimates coal exports totaled a record 124 million short tons
8 in 2012. Continuing economic weakness in Europe and lower international coal prices
9 are expected to contribute to lower coal exports in 2013.”

10 U. S. Coal Prices “Delivered coal prices to the electric power industry increased
11 steadily over the 10 year period ending 2011, when the delivered coal price averaged
12 \$2.39 per MMBtu (a 6% increase from 2010). EIA expects that changing market
13 conditions, including weaker domestic demand for coal and higher coal inventories,
14 will slow increases in coal prices and contribute to the shut-in of higher cost
15 production.

16 Although these changes can affect LG&E’s bargaining power with suppliers,
17 they did not alter, nor are they expected to alter, the Company’s coal procurement
18 practices. LG&E’s fuel procurement practices allow the Company to respond
19 effectively to changes in market conditions.

20 **Q. Were LG&E’s costs of fuel for the Review Period reasonable?**

21 A. Yes. LG&E’s costs for comparable coals have remained at, about the average and
22 comparable to other similarly situated utilities as identified in response to the
23 Commission’s Order No. 18. LG&E continues to follow the same sound coal

1 procurement practices previously reviewed by the Commission. Given the
2 information available, in my opinion, the Company's fuel costs during the Review
3 Period were reasonable.

4 **Q. Were LG&E's fuel purchases and practices during the Review Period**
5 **reasonable?**

6 A. Yes. In my opinion, LG&E's fuel purchases and practices were reasonable during the
7 Review Period.

8 **Q. Does this conclude your testimony?**

9 A. Yes.

VERIFICATION

COMMONWEALTH OF KENTUCKY)
) SS:
COUNTY OF JEFFERSON)

The undersigned, **Mike Dotson**, being duly sworn, deposes and says that he is Manager – LG&E and KU Fuels for LG&E and KU Services Company, and that he has personal knowledge of the matters set forth in the foregoing testimony, and that the answers contained therein are true and correct to the best of his information, knowledge and belief.

Mike Dotson
Mike Dotson

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 28th day of February 2013.

Sean A. Henry (SEAL)
Notary Public

My Commission Expires:

7/21/2015

Appendix A

Mike Dotson

Manager, LG&E/KU Fuels
LG&E and KU Services Company
220 West Main Street
Louisville, Kentucky 40202
(502) 627-2322

Education

Master of Business Administration Xavier University, Cincinnati, Ohio	1984
Bachelor of Business Administration University of Kentucky, Lexington, Kentucky	1973

Experience

LG&E and KU Services Company	Manager, LG&E/KU Fuels
July 1998 - Present	
Big Rivers Electric Company	
Vice President of Fuels & Environmental Affairs	Jan 1996 – July 1998
Vice President of Fuels	Jan 1994 – Dec 1995
Manager of Fuels	May 1993 – Dec 1993
Kentucky Utilities Company	
Manager of Fuel Procurement	Sep 1991 – May 1993
Fuel Contract Administrator	July 1986 – Sept. 1991
Diamond Shamrock Coal Company	Feb. 1984 – July 1986
Island Creek Coal Company	March 1980 – Feb.1984
Kentucky American Water Company	Sept. 1978–March 1980
GTE Sylvania	Sept. 1976 – Sept. 1978
K-Mart Corp.	Jan. 1975 – Sept. 1976

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

AN EXAMINATION BY THE APPLICATION)	
OF THE FUEL ADJUSTMENT CLAUSE OF)	CASE NO.
LOUISVILLE GAS AND ELECTRIC COMPANY)	2012-00553
FOR THE TWO-YEAR BILLING PERIOD)	
FROM NOVEMBER 1, 2010 THROUGH)	
OCTOBER 31, 2011)	

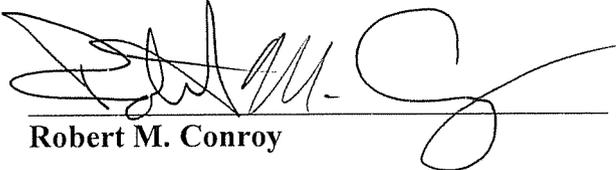
RESPONSE OF
LOUISVILLE GAS AND ELECTRIC COMPANY
TO
COMMISSION STAFF'S FIRST REQUEST FOR INFORMATION IN
APPENDIX B OF COMMISSION'S ORDER
DATED FEBRUARY 13, 2013

FILED: March 1, 2013

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 28th day of February 2013.

 (SEAL)
Notary Public

My Commission Expires:

7/21/2015

VERIFICATION

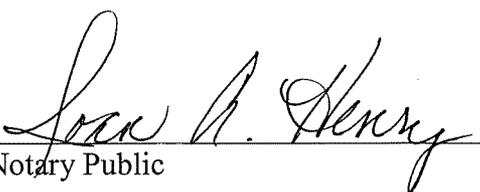
COMMONWEALTH OF KENTUCKY)
) SS:
COUNTY OF JEFFERSON)

The undersigned, **Charles R. Schram**, being duly sworn, deposes and says that he is Director – Energy Planning, Analysis and Forecasting 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.



Charles R. Schram

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 28th day of February 2013.



Notary Public (SEAL)

My Commission Expires:

7/21/2015

VERIFICATION

COMMONWEALTH OF KENTUCKY)
) SS:
COUNTY OF JEFFERSON)

The undersigned, **Mike Dotson**, being duly sworn, deposes and says that he is Manager – LG&E and KU Fuels 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.

Mike Dotson
Mike Dotson

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 28th day of February 2013.

Sean A. Henry (SEAL)
Notary Public

My Commission Expires:

7/21/2015

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 1

Witness: Robert M. Conroy

- Q-1. If a change in the base fuel cost is proposed, state the month to be used as the base period (b). If the base period results in a fuel cost other than one representative of current costs as prescribed by 807 KAR 5:056, Section 1(2), explain why this base period was selected. If no change is proposed, include an explanation of the reason(s) LG&E believes the current base period fuel cost should remain unchanged.
- A-1. After reviewing actual FAC costs for the period November 2010 through October 2012, LG&E recommends that the per unit fuel cost for April 2012 be used as the base period. The attached table shows the per unit fuel cost for April 2012 was \$0.02725/kWh. LG&E estimates that the average per unit fuel cost for the period November 2012 through October 2013 will be \$0.02707/kWh and the average per unit fuel cost for the period November 2013 through October 2014 will be \$0.02751. The per unit fuel cost for April 2012 of \$0.02725 approximates the average of the projected per unit fuel cost for the entire two year period of \$0.02729. Since no actual per unit fuel cost during the two-year period under review equals the projected per unit fuel cost, LG&E recommends the use of the actual per unit fuel cost for April 2012 because this is the actual cost from the two-year period ending October 2012 closest to the average projected cost for the next two-year period. This methodology is consistent with what has been used and accepted in previous two-year review cases, and therefore LG&E believes April 2012 is the appropriate month to use as the base period for the next two-year period.

LG&E determined the projected $F(m) / S(m)$ results using projected coal, oil and natural gas expense, projected purchased power expense, off-system sales revenues and all associated generated, purchased and sold kilowatt-hours for the period.

Louisville Gas and Electric Company

Retail Fuel Adjustment Clause

Fuel Cost per kWh

For the Expense Months Ending October 31, 2012

(1) Expense Month	(2) Expense Month \$/kWh	(3) FAC Base \$/kWh	(4) Billing Month	(5) Billing Month FAC Factor Col. 2 - 3
Nov-10	\$ 0.02350	\$ 0.02058	Jan-11	\$ 0.00292
Dec-10	\$ 0.02299	\$ 0.02058	Feb-11	\$ 0.00241
Jan-11	\$ 0.02111	\$ 0.02058	Mar-11	\$ 0.00053
Feb-11	\$ 0.02283	\$ 0.02058	Apr-11	\$ 0.00225
Mar-11	\$ 0.02290	\$ 0.02058	May-11	\$ 0.00232
Apr-11	\$ 0.02476	\$ 0.02058	Jun-11	\$ 0.00418
May-11	\$ 0.02474	\$ 0.02058	Jul-11	\$ 0.00416
Jun-11	\$ 0.02392	\$ 0.02058	Aug-11	\$ 0.00334
Jul-11	\$ 0.02449	\$ 0.02215	Sep-11	\$ 0.00234
Aug-11	\$ 0.02436	\$ 0.02215	Oct-11	\$ 0.00221
Sep-11	\$ 0.02522	\$ 0.02215	Nov-11	\$ 0.00307
Oct-11	\$ 0.02439	\$ 0.02215	Dec-11	\$ 0.00224
Nov-11	\$ 0.02480	\$ 0.02215	Jan-12	\$ 0.00265
Dec-11	\$ 0.02528	\$ 0.02215	Feb-12	\$ 0.00313
Jan-12	\$ 0.02610	\$ 0.02215	Mar-12	\$ 0.00395
Feb-12	\$ 0.02687	\$ 0.02215	Apr-12	\$ 0.00472
Mar-12	\$ 0.02751	\$ 0.02215	May-12	\$ 0.00536
Apr-12	\$ 0.02725	\$ 0.02215	Jun-12	\$ 0.00510
May-12	\$ 0.02714	\$ 0.02215	Jul-12	\$ 0.00499
Jun-12	\$ 0.02614	\$ 0.02215	Aug-12	\$ 0.00399
Jul-12	\$ 0.02597	\$ 0.02215	Sep-12	\$ 0.00382
Aug-12	\$ 0.02678	\$ 0.02215	Oct-12	\$ 0.00463
Sep-12	\$ 0.02937	\$ 0.02215	Nov-12	\$ 0.00722
Oct-12	\$ 0.02811	\$ 0.02215	Dec-12	\$ 0.00596

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 2

Witness: Robert M. Conroy

- Q-2. Provide a calculation of the fossil fuel costs F(b) that LG&E proposes to use to calculate the base period fuel cost. This calculation shall show each component of F(b) as defined by 807 KAR 5:056. Explain why the fuel cost in the selected base period is representative of the level of fuel cost currently being experienced by LG&E.
- A-2. Attached is a copy of the Fuel Cost Schedule (Form A, Page 2) for April 2012, which shows the component of the proposed F(b) as defined by 807 KAR 5:056.

As explained in the response to Question No. 1, LG&E reviewed the per-unit fuel cost for each month during the November 2010 through October 2012 period and compared those values to the projected average per unit fuel cost for the next two-year period. As a result, F(b) and S(b) were considered together in determining the appropriate month to use as a new base fuel component.

**LOUISVILLE GAS AND ELECTRIC COMPANY
FUEL COST SCHEDULE**

Expense Month : April 2012

(A) Company Generation		
<hr/>		
Coal Burned	(+) \$ 26,408,787	(1)
Oil Burned	(+) 85,509	(1)
Gas Burned	(+) 3,925,575	
Fuel (assigned cost during Forced Outage)	(+) 1,916,145	*
Fuel (substitute cost for Forced Outage)	(-) 1,672,589	*
SUB-TOTAL	\$ 30,419,871	
 (B) Purchases		
<hr/>		
Net energy cost - economy purchases	(+) \$ 1,816,550	
Identifiable fuel cost - other purchases	(+) -	
Identifiable fuel cost (substitute for Forced Outage)	(-) 144,225	*
Less Purchases Above Highest Cost Units	(-) -	
Internal Economy	(+) -	
Internal Replacement	(+) 472,912	
SUB-TOTAL	\$ 2,289,462	
 (C) Inter-System Sales		
<hr/>		
Including Interchange-out	(+) \$ 531,466	
Internal Economy	(+) 10,178,014	
Internal Replacement	(+) -	
Dollars Assigned to Inter-System Sales Losses	(+) 5,315	
SUB-TOTAL	\$ 10,714,795	
 (D) Over or (Under) Recovery		
<hr/>		
From Page 4, Line 13	\$ 63,663	
 TOTAL FUEL RECOVERY (A+B-C-D) =		
	<u>\$ 21,930,875</u>	

Notes: (1) Reflects exclusion of IMEA/IMPA portion of Trimble County fuel cost with recognition of 1% transmission losses per Commission's Order in Case No. 96-524A, B, and C.

Coal burned = \$14,778

Oil burned = \$227

* Excluded from calculations per 807 KAR 5:056 due to fuel cost for substitute generation and purchases being less than assigned cost during Forced Outage.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 3

Witness: Robert M. Conroy

- Q-3. Provide a schedule showing each component of sales as defined by 807 KAR 5:056 in the selected base period (b). Explain why LG&E believes that the sales in the selected base period (b) are representative of the level of kWh sales that LG&E will derive from the level of fuel cost incurred during the selected base period (b).
- A-3. Attached is a copy of the Sales Schedule (Form A, Page 3) for April 2012, which shows the component of the proposed S(b) as defined by 807 KAR 5:056.

As explained in the response to Question No. 1, LG&E reviewed the per-unit fuel cost for each month during the November 2010 through October 2012 period and compared those values to the projected average per unit fuel cost for the next two-year period. As a result, F(b) and S(b) were considered together in determining the appropriate month to use as a new base fuel component.

LOUISVILLE GAS AND ELECTRIC COMPANY

SALES SCHEDULE (KWH)

Expense Month : April 2012

(A) Generation (Net)		(+)	1,225,590,000
Purchases including interchange-in		(+)	66,079,000
Internal Economy		(+)	-
Internal Replacement		(+)	16,506,000
SUB-TOTAL			<u>1,308,175,000</u>
.			
(B) Inter-system Sales including interchange-out		(+)	18,875,000
Internal Economy		(+)	439,815,000
Internal Replacement		(+)	-
System Losses	(849,485,000 KWH times 5.25%)	(+)	44,597,963
SUB-TOTAL			<u>503,287,963</u>
TOTAL SALES (A-B)			<u><u>804,887,037</u></u>

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 4

Witness: Robert M. Conroy

Q-4. Provide a schedule showing the calculation of LG&E's proposed increase or decrease in its base fuel cost per kWh to be incorporated into its base rate.

A-4.

Current Base	\$0.02215/kWh
Proposed Base	<u>\$0.02725/kWh</u>
Increase in Base Rates	\$0.00510/kWh

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 5

Witness: Mike Dotson

Q-5. Provide LG&E's most recent projected fuel requirements for the years 2013 and 2014 in tons and dollars.

A-5. Coal Purchases

	<u>Tons</u>	<u>Dollars</u>
2013	7,295,385	\$395,063,281
2014	7,663,499	\$427,644,336

LOUISVILLE GAS AND ELECTRIC COMPANY

Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013

Case No. 2012-00553

Question No. 6

Witness: Robert M. Conroy

Q-6. Provide LG&E's most recent sales projections for the years 2013 and 2014 in kWh and dollars.

A-6.

Year	Forecasted kWh	Forecasted \$
2013	12,218,5597,600	██████████
2014	12,310,718,900	██████████

LOUISVILLE GAS AND ELECTRIC COMPANY

Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013

Case No. 2012-00553

Question No. 7

Witness: Robert M. Conroy

- Q-7. Provide separately the amounts of power purchases used in the calculation of sales provided in response to Item 3.
- A-7. Below is the data from the Purchased Power Transaction Schedule for April 2012, which is used in the calculation of Sales as defined by 807 KAR 5:056 and shown in the response to Question No. 3.

COMPANY	kWh
Associated Elect Cooperative	7,850,000
Ameren Energy Marketing Company	190,000
Illinois Municipal Electric Agency	14,000
Indiana Municipal Power Agency	26,000
Energy Imbalance	11,000
PJM Interconnection Association	1,358,000
Tennessee Valley Authority	2,728,000
Kentucky Utilities Company	16,506,000
Ohio Valley Electric Corporation	53,902,000
TOTAL PURCHASES	82,585,000

LOUISVILLE GAS AND ELECTRIC COMPANY

Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013

Case No. 2012-00553

Question No. 8

Witness: Robert M. Conroy

- Q-8. Provide separately the amounts of intersystem power sales used in the calculation of sales provided in response to Item 3.
- A-8. Below is the data from the Sales Power Transaction Schedule for April 2012, which is used in the calculation of Sales as defined by 807 KAR 5:056 and shown in the response to Question No. 3.

COMPANY	kWh
American Electric Power Service Corp.	500,000
Cargill- Alliant, Llc	600,000
Edf Trading	44,000
Etc Endure	1,734,000
Illinois Municipal Electric Agency	270,000
Indiana Municipal Power Agency	782,000
Energy Imbalance	730,000
Midwest Independent Transmission System Operator, Inc.	1,088,000
PJM Interconnection Association	10,277,000
Tenaska Power Services Co.	1,350,000
Tennessee Valley Authority	1,500,000
Kentucky Utilities Company	439,815,000
TOTAL SALES	458,690,000

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 9

Witness: Charles R. Schram

- Q-9. Provide the planned maintenance schedule for each of LG&E's generating units for the years 2013 and 2014.

- A-9. The information requested is being provided pursuant to a Petition for Confidential Treatment. A redacted version of the requested information is attached to this response.

2013

LG&E Weekly Maintenance Detail

	*	*	*	*	*	*	*	*	*	*									*
MAINT WEEK	Br5	Br6	Br7	PR13	TC5	TC6	TC7	TC8	TC9	TC10	CR4	CR5	CR6	MC1	MC2	MC3	MC4	TC1	TC2
	143	168	168	175	180	180	180	180	180	180	155	168	240	303	299	397	492	386	571

1/7
1/14
1/21
1/28
2/4
2/11
2/18
2/25
3/4
3/11
3/18
3/25
4/1
4/8
4/15
4/22
4/29
5/6
5/13
5/20
5/27
6/3
6/10
6/17
6/24
7/1
7/8
7/15

2013

LG&E Weekly Maintenance Detail

	*	*	*	*	*	*	*	*	*	*									*	
MAINT	Br5	Br6	Br7	PR13	TC5	TC6	TC7	TC8	TC9	TC10	CR4	CR5	CR6	MC1	MC2	MC3	MC4	TC1	TC2	
WEEK	143	168	168	175	180	180	180	180	180	180	155	168	240	303	299	397	492	386	571	
7/22																				
7/29																				
8/5																				
8/12																				
8/19																				
8/26																				
9/2																				
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9/16																				
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11/11																				
11/18																				
11/25																				
12/2																				
12/9																				
12/16																				
12/23																				
12/30																				

Notes: * Jointly owned units between LG&E/KU

2014

LG&E Weekly Maintenance Detail

	*	*	*	*	*	*	*	*	*	*									*
MAINT	Br5	Br6	Br7	PR13	TC5	TC6	TC7	TC8	TC9	TC10	CR4	CR5	CR6	MC1	MC2	MC3	MC4	TC1	TC2
WEEK	143	168	168	175	180	180	180	180	180	180	155	168	240	303	299	397	492	386	571

1/6
1/13
1/20
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4/28
5/5
5/12
5/19
5/26
6/2
6/9
6/16
6/23
6/30
7/7
7/14

2014

LG&E Weekly Maintenance Detail

	*	*	*	*	*	*	*	*	*	*									*	
MAINT WEEK	Br5	Br6	Br7	PR13	TC5	TC6	TC7	TC8	TC9	TC10	CR4	CR5	CR6	MC1	MC2	MC3	MC4	TC1	TC2	
	143	168	168	175	180	180	180	180	180	180	155	168	240	303	299	397	492	386	571	
7/21																				
7/28																				
8/4																				
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12/22																				
12/29																				

Notes: * Jointly owned units between LG&E/KU

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 10

Witness: Charles R. Schram

Q-10. For the years ending October 31, 2011 and October 31, 2012, provide:

- a. Maximum annual system demand; and
- b. Average annual demand.

A-10. a. Maximum annual net system demand:

<u>Year Ending</u>	<u>Peak Demand (MW)</u>
October 31, 2011	2,704
October 31, 2012	2,731

b. Average annual system demand:

<u>Year Ending</u>	<u>Peak Demand (MW)</u>
October 31, 2011	1,433
October 31, 2012	1,421

*Average demand is calculated as the year ending energy divided by the hours per year.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 11

Witness: Charles R. Schram

Q-11. List all firm power commitments for LG&E for the years 2013 and 2014 for (a) purchases and (b) sales. This list shall identify the other party (buyer or seller), the amount of commitment in MW, and the purpose of the commitment (e.g., peaking, emergency).

A-11. a. Firm Purchases

The firm purchases from Ohio Valley Electric Corporation (OVEC) for the review period are shown in the table below. LG&E purchased its participation ratio (5.63%) of the OVEC released capacity for the months in question.

b. Firm Sales

None.

Utility	Companies' Amt (MW)	LG&E Portion (MW)	Purpose
OVEC (Jan 2013)	~ 150	~ 104	Baseload
OVEC (Feb 2013)	~ 136	~ 94	Baseload
OVEC (Mar 2013)	~ 122	~ 84	Baseload
OVEC (Apr 2013)	~ 116	~ 80	Baseload
OVEC (May 2013)	~ 121	~ 83	Baseload
OVEC (Jun 2013)	~ 157	~ 109	Baseload
OVEC (Jul 2013)	~ 155	~ 107	Baseload
OVEC (Aug 2013)	~ 155	~ 107	Baseload
OVEC (Sep 2013)	~ 135	~ 94	Baseload
OVEC (Oct 2013)	~ 144	~ 100	Baseload
OVEC (Nov 2013)	~ 137	~ 95	Baseload
OVEC (Dec 2013)	~ 159	~ 110	Baseload
OVEC (Jan 2014)	~ 158	~ 109	Baseload
OVEC (Feb 2014)	~ 151	~ 104	Baseload
OVEC (Mar 2014)	~ 140	~ 97	Baseload
OVEC (Apr 2014)	~ 105	~ 72	Baseload
OVEC (May 2014)	~ 134	~ 92	Baseload
OVEC (Jun 2014)	~ 154	~ 107	Baseload
OVEC (Jul 2014)	~ 152	~ 105	Baseload
OVEC (Aug 2014)	~ 152	~ 105	Baseload
OVEC (Sep 2014)	~ 132	~ 92	Baseload
OVEC (Oct 2014)	~ 119	~ 82	Baseload
OVEC (Nov 2014)	~ 146	~ 101	Baseload
OVEC (Dec 2014)	~ 158	~ 109	Baseload

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 12

Witness: Robert M. Conroy

Q-12. Provide a monthly billing summary for all sales to all electric utilities for the period May 1, 2012 through October 31, 2012.

A-12. See attached.



Month Ended: May-31-2012

Louisville Gas and Electric Company

Power Transaction Schedule

<u>COMPANY</u>	Type of Transaction	KWH	Billing Components			Total Charges(\$)
			Demand(\$)	Fuel Charges(\$)	Other Charges(\$)	
<u>SALES</u>						
AMERICAN ELECTRIC POWER SERVICE CORP.	AEP	Economy		\$ 4,632.94	\$ 1,253.28	\$ 5,886.22
CARGILL- ALLIANT, LLC	CARG	Economy		\$ 9,379.10	\$ 2,537.19	\$ 11,916.29
ETC ENDURE	ETC	Economy	1,242,000	\$ 36,061.29	\$ 9,755.11	\$ 45,816.40
INDIANA MUNICIPAL POWER AGENCY	IMPA	Economy	43,000	\$ 2,289.20	\$ 619.26	\$ 2,908.46
ENERGY IMBALANCE	IMBL	Economy	679,000	\$ 31,862.64	\$ 8,619.31	\$ 40,481.95
MIDWEST INDEPENDENT TRANSMISSION SYSTEM OPERATOR, INC.	MISO	Economy	248,000	\$ 5,373.68	\$ 1,453.66	\$ 6,827.34
PJM INTERCONNECTION ASSOCIATION	PJM	Economy	6,462,000	\$ 206,862.61	\$ 55,959.38	\$ 262,821.99
TENASKA POWER SERVICES CO.	TPS	Economy	2,186,000	\$ 60,440.29	\$ 16,350.00	\$ 76,790.29
TENNESSEE VALLEY AUTHORITY	TVA	Economy	646,000	\$ 19,266.59	\$ 5,211.89	\$ 24,478.48
KENTUCKY UTILITIES COMPANY	KU	Economy	232,472,000	\$ 5,628,447.44	\$ -	\$ 5,628,447.44
SUBTOTAL			244,475,000	\$ -	\$ 6,004,615.78	\$ 101,759.08
TOTAL SALES			244,475,000	\$ -	\$ 6,004,615.78	\$ 101,759.08



Month Ended: June-30-2012

Louisville Gas and Electric Company

Power Transaction Schedule

COMPANY	Type of Transaction	KWH	Billing Components			Total Charges(\$)
			Demand(\$)	Fuel Charges(\$)	Other Charges(\$)	
SALES						
ASSOCIATED ELECT COOPERATIVE	AECI	Economy		\$ 3,101.67	\$ 1,417.10	\$ 4,518.77
AMERICAN ELECTRIC POWER SERVICE CORP.	AEP	Economy		\$ 25,537.07	\$ 11,667.52	\$ 37,204.59
AMEREN ENERGY MARKETING COMPANY	AMEM	Economy		\$ 903.23	\$ 412.68	\$ 1,315.91
CARGILL- ALLIANT, LLC	CARG	Economy		\$ 28,683.45	\$ 13,105.05	\$ 41,788.50
CONSTELLATION ENERGY COMDS. GRP. INC.	CONS	Economy		\$ 96,315.93	\$ 44,005.36	\$ 140,321.29
EAST KENTUCKY POWER COOPERATIVE	EKPC	Economy		\$ 1,100.32	\$ 502.71	\$ 1,603.03
ETC ENDURE	ETC	Economy		\$ 80,175.08	\$ 36,630.84	\$ 116,805.92
ILLINOIS MUNICIPAL ELECTRIC AGENCY	IMEA	Economy		\$ 12,245.52	\$ 5,594.81	\$ 17,840.33
INDIANA MUNICIPAL POWER AGENCY	IMPA	Economy		\$ 21,622.89	\$ 9,879.19	\$ 31,502.08
ENERGY IMBALANCE	IMBL	Economy		\$ 10,991.05	\$ 5,021.66	\$ 16,012.71
MIDWEST INDEPENDENT TRANSMISSION SYSTEM OPERATOR, INC.	MISO	Economy		\$ 12,450.46	\$ 5,688.44	\$ 18,138.90
PJM INTERCONNECTION ASSOCIATION	PJM	Economy		\$ 133,208.63	\$ 60,861.12	\$ 194,069.75
TENASKA POWER SERVICES CO.	TPS	Economy		\$ 18,534.06	\$ 8,467.95	\$ 27,002.01
TENNESSEE VALLEY AUTHORITY	TVA	Economy		\$ 5,292.67	\$ 2,418.15	\$ 7,710.82
WESTAR ENERGY, INC.	WSTR	Economy		\$ 5,138.14	\$ 2,347.53	\$ 7,485.67
KENTUCKY UTILITIES COMPANY	KU	Economy		\$ 1,999,967.91	\$ -	\$ 1,999,967.91
SUBTOTAL			92,572,000	\$ -	\$ 2,455,268.08	\$ 2,663,288.19
TOTAL SALES			92,572,000	\$ -	\$ 2,455,268.08	\$ 2,663,288.19



Month Ended: July-31-2012

Louisville Gas and Electric Company

Power Transaction Schedule

COMPANY	Type of Transaction	KWH	Billing Components			Total Charges(\$)
			Demand(\$)	Fuel Charges(\$)	Other Charges(\$)	
SALES						
AMERICAN ELECTRIC POWER SERVICE CORP.	AEP	Economy	1,168,000	\$ 42,720.63	\$ 27,672.52	\$ 70,393.15
AMEREN ENERGY MARKETING COMPANY	AMEM	Economy	62,000	\$ 1,534.99	\$ 994.30	\$ 2,529.29
CARGILL- ALLIANT, LLC	CARG	Economy	1,758,000	\$ 54,443.15	\$ 35,265.86	\$ 89,709.01
CONSTELLATION ENERGY COMDS. GRP. INC.	CONS	Economy	808,000	\$ 32,519.06	\$ 21,064.39	\$ 53,583.45
EAST KENTUCKY POWER COOPERATIVE	EKPC	Economy	497,000	\$ 16,525.77	\$ 10,704.66	\$ 27,230.43
ETC ENDURE	ETC	Economy	2,679,000	\$ 83,289.29	\$ 53,951.09	\$ 137,240.38
ILLINOIS MUNICIPAL ELECTRIC AGENCY	IMEA	Economy	417,000	\$ 15,639.16	\$ 23,553.79	\$ 39,192.95
INDIANA MUNICIPAL POWER AGENCY	IMPA	Economy	814,000	\$ 30,468.82	\$ 29,495.31	\$ 59,964.13
ENERGY IMBALANCE	IMBL	Economy	883,000	\$ 25,218.37	\$ 16,335.33	\$ 41,553.70
MIDWEST INDEPENDENT TRANSMISSION SYSTEM OPERATOR, INC.	MISO	Economy	1,289,000	\$ 35,458.95	\$ 22,968.73	\$ 58,427.68
PJM INTERCONNECTION ASSOCIATION	PJM	Economy	8,743,000	\$ 340,241.07	\$ 220,392.99	\$ 560,634.06
TENASKA POWER SERVICES CO.	TPS	Economy	1,171,000	\$ 45,270.67	\$ 29,324.32	\$ 74,594.99
TENNESSEE VALLEY AUTHORITY	TVA	Economy	124,000	\$ 3,296.23	\$ 2,135.15	\$ 5,431.38
WESTAR ENERGY, INC.	WSTR	Economy	453,000	\$ 23,447.10	\$ 15,187.99	\$ 38,635.09
KENTUCKY UTILITIES COMPANY	KU	Economy	105,090,000	\$ 2,723,568.98	\$ 82.11	\$ 2,723,651.09
SUBTOTAL			125,956,000	\$ -	\$ 3,473,642.24	\$ 509,128.54
TOTAL SALES			125,956,000	\$ -	\$ 3,473,642.24	\$ 509,128.54



Month Ended: August-31-2012

Louisville Gas and Electric Company

Power Transaction Schedule

<u>COMPANY</u>	Type of Transaction	KWH	Billing Components			
			Demand(\$)	Fuel Charges(\$)	Other Charges(\$)	Total Charges(\$)
<u>SALES</u>						
AMERICAN ELECTRIC POWER SERVICE CORP.	AEP	Economy	326,000	\$ 9,269.22	\$ 5,213.13	\$ 14,482.35
CARGILL- ALLIANT, LLC	CARG	Economy	531,000	\$ 15,859.94	\$ 8,919.81	\$ 24,779.75
ETC ENDURE	ETC	Economy	735,000	\$ 29,233.01	\$ 16,440.99	\$ 45,674.00
ILLINOIS MUNICIPAL ELECTRIC AGENCY	IMEA	Economy	304,000	\$ 12,966.97	\$ 16,339.54	\$ 29,306.51
INDIANA MUNICIPAL POWER AGENCY	IMPA	Economy	392,000	\$ 17,372.56	\$ 19,544.34	\$ 36,916.90
ENERGY IMBALANCE	IMBL	Economy	4,194,000	\$ 108,559.21	\$ 54,944.61	\$ 163,503.82
MIDWEST INDEPENDENT TRANSMISSION SYSTEM OPERATOR, INC.	MISO	Economy	592,000	\$ 16,960.67	\$ 9,538.88	\$ 26,499.55
PJM INTERCONNECTION ASSOCIATION	PJM	Economy	6,116,000	\$ 197,116.64	\$ 110,860.74	\$ 307,977.38
TENASKA POWER SERVICES CO.	TPS	Economy	1,183,000	\$ 31,577.57	\$ 17,759.60	\$ 49,337.17
WESTAR ENERGY, INC.	WSTR	Economy	979,000	\$ 38,433.41	\$ 21,615.41	\$ 60,048.82
KENTUCKY UTILITIES COMPANY	KU	Economy	96,818,000	\$ 2,469,262.09	\$ -	\$ 2,469,262.09
SUBTOTAL			112,170,000	\$ -	\$ 2,946,611.29	\$ 281,177.05
TOTAL SALES			112,170,000	\$ -	\$ 2,946,611.29	\$ 281,177.05



Month Ended: September-30-2012

Louisville Gas and Electric Company

Power Transaction Schedule

COMPANY	Type of Transaction	KWH	Billing Components			Total Charges(\$)
			Demand(\$)	Fuel Charges(\$)	Other Charges(\$)	
SALES						
AMEREN ENERGY MARKETING COMPANY	AMEM	Economy	1,034,000	\$ 23,826.09	\$ 10,095.92	\$ 33,922.01
CARGILL- ALLIANT, LLC	CARG	Economy	1,644,000	\$ 39,797.39	\$ 16,863.49	\$ 56,660.88
EAST KENTUCKY POWER COOPERATIVE	EKPC	Economy	1,504,000	\$ 34,656.14	\$ 14,684.97	\$ 49,341.11
ETC ENDURE	ETC	Economy	1,531,000	\$ 37,844.43	\$ 16,035.96	\$ 53,880.39
ILLINOIS MUNICIPAL ELECTRIC AGENCY	IMEA	Economy	650,000	\$ 33,389.19	\$ 28,626.03	\$ 62,015.22
INDIANA MUNICIPAL POWER AGENCY	IMPA	Economy	875,000	\$ 42,751.83	\$ 25,588.98	\$ 68,340.81
ENERGY IMBALANCE	IMBL	Economy	710,000	\$ 20,237.13	\$ 7,935.14	\$ 28,172.27
MIDWEST INDEPENDENT TRANSMISSION SYSTEM OPERATOR, INC.	MISO	Economy	399,000	\$ 13,418.67	\$ 5,685.94	\$ 19,104.61
OWENSBORO MUNICIPAL UTILITIES	OMU	Economy	253,000	\$ 7,020.20	\$ 2,974.69	\$ 9,994.89
PJM INTERCONNECTION ASSOCIATION	PJM	Economy	11,748,000	\$ 351,536.55	\$ 149,524.62	\$ 501,061.17
TENASKA POWER SERVICES CO.	TPS	Economy	1,751,000	\$ 47,998.25	\$ 20,338.46	\$ 68,336.71
TENNESSEE VALLEY AUTHORITY	TVA	Economy	3,243,000	\$ 79,579.95	\$ 33,720.72	\$ 113,300.67
WESTAR ENERGY, INC.	WSTR	Economy	1,822,000	\$ 58,361.45	\$ 24,729.70	\$ 83,091.15
KENTUCKY UTILITIES COMPANY	KU	Economy	154,420,000	\$ 3,778,067.47	\$ -	\$ 3,778,067.47
SUBTOTAL			181,584,000	\$ -	\$ 4,568,484.73	\$ 356,804.63
TOTAL SALES			181,584,000	\$ -	\$ 4,568,484.73	\$ 356,804.63



Month Ended: October-31-2012

Louisville Gas and Electric Company

Power Transaction Schedule

COMPANY

Type of Transaction	KWH	Billing Components			Total Charges(\$)		
		Demand(\$)	Fuel Charges(\$)	Other Charges(\$)			
AMEREN ENERGY MARKETING COMPANY	AMEM	Economy	182,000	\$ 4,038.40	\$ 1,854.65	\$ 5,893.05	
CARGILL- ALLIANT, LLC	CARG	Economy	3,374,000	\$ 81,247.14	\$ 37,312.85	\$ 118,559.99	
EAST KENTUCKY POWER COOPERATIVE	EKPC	Economy	2,283,000	\$ 54,178.52	\$ 24,881.55	\$ 79,060.07	
ETC ENDURE	ETC	Economy	3,793,000	\$ 91,259.10	\$ 41,910.84	\$ 133,169.94	
ILLINOIS MUNICIPAL ELECTRIC AGENCY	IMEA	Economy	405,000	\$ 18,928.01	\$ 21,285.91	\$ 40,213.92	
INDIANA MUNICIPAL POWER AGENCY	IMPA	Economy	519,000	\$ 22,908.09	\$ 26,705.91	\$ 49,614.00	
JP Morgan Ventures Energy Corporation	JPMORG	Economy	300,000	\$ 6,968.95	\$ 3,200.50	\$ 10,169.45	
ENERGY IMBALANCE	IMBL	Economy	103,000	\$ 2,602.78	\$ 1,195.33	\$ 3,798.11	
MIDWEST INDEPENDENT TRANSMISSION SYSTEM OPERATOR, INC.	MISO	Economy	3,008,000	\$ 68,854.22	\$ 31,621.37	\$ 100,475.59	
PJM INTERCONNECTION ASSOCIATION	PJM	Economy	41,154,000	\$ 1,085,892.98	\$ 498,697.66	\$ 1,584,590.64	
TENASKA POWER SERVICES CO.	TPS	Economy	678,000	\$ 17,773.70	\$ 8,162.59	\$ 25,936.29	
TENNESSEE VALLEY AUTHORITY	TVA	Economy	631,000	\$ 14,999.91	\$ 6,888.73	\$ 21,888.64	
WESTAR ENERGY, INC.	WSTR	Economy	362,000	\$ 8,682.18	\$ 3,987.31	\$ 12,669.49	
KENTUCKY UTILITIES COMPANY	KU	Economy	308,592,000	\$ 7,464,361.92	\$ -	\$ 7,464,361.92	
SUBTOTAL			365,384,000	\$ -	\$ 8,942,695.90	\$ 707,705.20	\$ 9,650,401.10
TOTAL SALES			365,384,000	\$ -	\$ 8,942,695.90	\$ 707,705.20	\$ 9,650,401.10

SALES

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 13

Witness: Robert M. Conroy

- Q-13. a. Provide a schedule of the calculation of the 12-month average line loss by month for November 2010 through October 2012.
- b. Describe the actions that LG&E has taken to reduce line loss during this period.
- A-13. a. See attached.
- b. LG&E's transmission and distribution system is constantly being expanded and upgraded to provide reliable electric service. All enhancements contribute to a system that will operate with fewer line losses. New line construction and transformer additions provide parallel facilities and reduce the current in existing facilities. Replacing existing conductors with larger conductors or replacing existing transformers with larger transformers reduces the resistance. Adding capacitors near the load reduces system reactive power (VAR) requirements and line and transformer currents. Any reduction in current and/or resistance results in reduced losses. The Company's planning and design objective is to provide a reliable transmission and distribution system at a reasonable cost. For Transmission and Distribution, the cost for losses are evaluated as outlined below.

Transmission:

The cost of transmission line losses is included in the economic analysis when evaluating the cost of alternative projects. The costs of core and copper losses are incorporated into the selection of all transmission transformers.

Distribution:

Losses are evaluated in the selection of standard line materials (cables, wires, distribution transformers, etc.) and distribution substation transformers. Total ownership cost, which includes the cost of no-load, load and auxiliary losses, is incorporated into the selection of distribution and substation transformers

Louisville Gas and Electric Company
12 month Average Line Loss
November 2010 - October 2012

(1)	(2)	(3)	(4)	(5)	(6)
Month	Total kWh Sources 12 Months Ended Current Month	Total kWh System Losses 12 Months Ended Current Month	12 Months End % Losses	Total kWh Sources Current Month	Current Month Calculated System Losses (kWh)
			(3) / (2)		(4) x (5)
Nov-2010	12,788,321,000	497,916,870	3.89%	887,572,000	34,526,551
Dec-2010	12,860,212,750	517,955,403	4.03%	1,095,129,000	44,133,699
Jan-2011	12,860,966,685	461,007,766	3.58%	1,072,722,000	38,403,448
Feb-2011	12,810,137,704	601,945,575	4.70%	905,939,000	42,579,133
Mar-2011	12,839,541,418	628,077,111	4.89%	935,675,000	45,754,508
Apr-2011	12,798,919,967	623,536,502	4.87%	836,646,000	40,744,660
May-2011	12,803,188,043	685,862,712	5.36%	1,013,110,000	54,302,696
Jun-2011	12,665,698,243	729,825,631	5.76%	1,202,573,168	69,268,214
Jul-2011	12,717,465,031	799,643,257	6.29%	1,443,977,968	90,826,214
Aug-2011	12,728,974,718	861,872,986	6.77%	1,319,957,216	89,361,104
Sep-2011	12,595,014,906	791,454,426	6.28%	964,969,120	60,600,061
Oct-2011	12,576,984,906	706,889,671	5.62%	894,502,000	50,271,012
Nov-2011	12,522,580,906	641,752,902	5.12%	873,920,000	44,744,704
Dec-2011	12,366,094,156	708,274,049	5.73%	966,540,000	55,382,742
Jan-2012	12,265,421,221	693,737,498	5.66%	995,242,000	56,330,697
Feb-2012	12,229,417,202	674,311,369	5.51%	899,224,000	49,547,242
Mar-2012	12,188,602,488	654,981,323	5.37%	921,413,000	49,479,878
Apr-2012	12,201,247,939	640,564,221	5.25%	849,485,000	44,597,963
May-2012	12,301,340,863	614,316,130	4.99%	1,111,174,000	55,447,583
Jun-2012	12,274,611,243	583,328,842	4.75%	1,198,074,000	56,908,515
Jul-2012	12,258,487,455	550,815,183	4.49%	1,455,121,000	65,334,933
Aug-2012	12,215,787,768	518,419,073	4.24%	1,303,279,000	55,259,030
Sep-2012	12,257,352,580	502,681,209	4.10%	1,025,034,000	42,026,394
Oct-2012	12,283,120,580	502,688,281	4.09%	911,852,000	37,294,747

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 14

Witness: David L. Tummonds

Q-14. List LG&E's scheduled, actual, and forced outages between May 1, 2012 and October 31, 2012.

A-14. See attached.

Louisville Gas & Electric Company
 Cane Run Unit #4 - Coal - 155 MW
 In-service May 1962
 May 2012 through October 2012

Schedule vs Actual

MONTH	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
	Scheduled		Actual		Scheduled	Forced	Actual	
	FROM	TO	FROM	TO				
May	No outages > or = 6 hours							
June	F		6/5/2012 22:50	6/6/2012 18:36	19:46			Condenser tube leaks.
July	S	7/28/2012 20:11	7/30/2012 8:02	7/28/2012 20:11	7/30/2012 8:02	35:51	35:51	FGD return header.
August	F		8/24/2012 14:48	8/27/2012 8:26	65:38			Economizer leaks.
September	F		9/18/2012 16:16	9/19/2012 1:00	8:44			Switchyard transformer.
October	S	10/7/2012 11:22	10/8/2012 12:14	10/7/2012 11:22	10/8/2012 12:14	24:52	24:52	FGD cleaning spray nozzles.
	S	10/20/2012 0:00	→ 10/21/2012 11:08	→	288:00	252:52		Transmission line.

Report dates of forced outage in columns headed Actual

Louisville Gas & Electric Company
 Cane Run Unit #5 - Coal - 168 MW
 In-service May 1966
 May 2012 through October 2012

Schedule vs Actual

MONTH	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
	Scheduled		Actual		Scheduled	Forced	Actual	
	FROM	TO	FROM	TO				
May	No outages > or = 6 hours							
June	S	6/1/2012 22:28	6/4/2012 17:00	6/1/2012 22:28	6/4/2012 17:00	66:32	66:32	First superheater leak.
	S	6/15/2012 18:36	6/17/2012 15:21	6/15/2012 18:36	6/17/2012 15:21	44:45	44:45	Boiler waterwall leak.
	F			6/20/2012 9:16	6/21/2012 19:20	34:04		Economizer leak.
July	F			7/26/2012 22:00	7/29/2012 4:19	54:19		First superheater leak.
August	F			8/15/2012 21:46	8/20/2012 0:10	98:24		First reheater leaks.
September	F			9/8/2012 6:37	9/12/2012 8:20	97:43		Feedwater valve steam leak.
	S	9/28/2012 22:29	9/30/2012 22:29	9/28/2012 22:29	9/30/2012 22:29	48:00	48:00	Transmission line.
October	F			10/13/2012 16:50	10/14/2012 5:12	12:22		Relay wiring.
	F			10/26/2012 8:15	10/27/2012 0:20	16:05		Switchyard circuit breaker.

Report dates of forced outage in columns headed Actual

Louisville Gas & Electric Company
 Cane Run Unit #6 - Coal - 240 MW
 In-service May 1969
 May 2012 through October 2012

Schedule vs Actual

MONTH	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
	Scheduled		Actual		Scheduled	Forced	Actual	
	FROM	TO	FROM	TO				
May	S	5/4/2012 22:42	5/5/2012 10:53	5/4/2012 22:42	5/5/2012 10:53	12:11	12:11	Main steam drain valve leak.
	F			5/29/2012 5:55	5/29/2012 15:43		9:48	Lightning.
June	S	6/8/2012 0:05	6/10/2012 7:40	6/8/2012 0:05	6/10/2012 7:40	55:35	55:35	Induced draft fans cleaned and balanced.
	S	6/15/2012 17:39	6/18/2012 12:37	6/15/2012 17:39	6/18/2012 12:37	66:58	66:58	First reheater leak.
	S	6/23/2012 20:32	6/25/2012 0:57	6/23/2012 20:32	6/25/2012 0:57	28:25	28:25	FGD tank and overflow line cleaning.
July	S	7/3/2012 13:13	7/4/2012 6:48	7/3/2012 13:13	7/4/2012 6:48	17:35	17:35	FGD reaction tank cleaning.
	S	7/20/2012 18:06	7/21/2012 23:54	7/20/2012 18:06	7/21/2012 23:54	29:48	29:48	Furnace wall leak.
August	S	8/10/2012 19:18	8/12/2012 18:38	8/10/2012 19:18	8/12/2012 18:38	47:20	47:20	Furnace wall leak.
September	No outages > or = 6 hours							
October	S	10/1/2012 22:09	10/13/2012 9:17	10/1/2012 22:09	10/13/2012 9:17	275:08	275:08	Exciter bearing.
	F			10/14/2012 7:35	10/15/2012 0:15		16:40	Turbine eccentricity readings.
	F			10/26/2012 8:16	10/27/2012 2:28		18:12	Switchyard circuit breaker.

Report dates of forced outage in columns headed Actual

Louisville Gas & Electric Company
 Mill Creek Unit #1 - Coal - 303 MW
 In-service August 1972
 May 2012 through October 2012

Schedule vs Actual

MONTH	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
	Scheduled		Actual		Scheduled	Forced	Actual	
	FROM	TO	FROM	TO				
May	F		5/23/2012 8:20	5/27/2012 13:02	100:42			Transmission switchyard.
	F		5/27/2012 13:02	—————>	106:58			Turbine steam seal header packing.
June	F		—————>	6/8/2012 11:42	179:42			" " " " "
July	No outages > or = 6 hours							
August	S	8/3/2012 22:32	8/5/2012 23:44	8/3/2012 22:32	8/5/2012 23:44	49:12	49:12	Second superheater leak.
September	No outages > or = 6 hours							
October	No outages > or = 6 hours							

Report dates of forced outage in columns headed Actual

Louisville Gas & Electric Company
 Mill Creek Unit #2 - Coal - 301 MW
 In-service July 1974
 May 2012 through October 2012

Schedule vs Actual

MONTH	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
	Scheduled		Actual		Scheduled	Forced	Actual	
	FROM	TO	FROM	TO				
May	F		5/3/2012 14:28	5/5/2012 8:13	41:45			Economizer leak.
	S	5/21/2012 22:35	5/23/2012 7:24	5/21/2012 22:35	5/23/2012 7:24	32:49	32:49	Boiler tube leak.
	F		5/23/2012 8:20	5/23/2012 17:03	8:43			Transmission switchyard.
June	F		6/2/2012 8:20	6/3/2012 18:41	34:21			Condenser tube leak.
	F		6/3/2012 22:41	6/5/2012 6:37	31:56			Condenser tube leak.
	F		6/11/2012 11:46	6/12/2012 22:53	35:07			Economizer leak.
	F		6/12/2012 22:53	6/14/2012 2:27	27:34			Boiler feed pump.
	F		6/14/2012 2:27	6/14/2012 21:50	19:23			Boiler tube leak.
July	No outages > or = 6 hours							
August	No outages > or = 6 hours							
September	F		9/21/2012 23:45	9/22/2012 19:06	19:21			Condenser tube leak.
October	S	9/29/2012 0:00	10/7/2012 15:00	10/1/2012 8:58	10/6/2012 12:53	207:00	123:55	Minor boiler overhaul.
	F		10/10/2012 20:17	10/11/2012 21:20	25:03			Condenser tube leak.

Report dates of forced outage in columns headed Actual

Louisville Gas & Electric Company
 Mill Creek Unit #3 - Coal - 391 MW
 In-service August 1978
 May 2012 through October 2012

Schedule vs Actual

MONTH	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
	Scheduled		Actual		Scheduled	Forced	Actual	
	FROM	TO	FROM	TO				
May	F		5/11/2012 19:57	5/14/2012 7:50	59:53			Second superheater leak.
	F		5/23/2012 8:20	5/23/2012 17:50	9:30			Transmission switchyard.
June	No outages > or = 6 hours							
July	S	7/12/2012 0:59	7/16/2012 0:35	7/12/2012 0:59	7/16/2012 0:35	95:36	95:36	Main transformer inspection.
August	No outages > or = 6 hours							
September	S	9/22/2012 0:00	9/30/2012 15:00	9/18/2012 9:13	9/29/2012 1:04	207:00	255:51	Minor boiler overhaul.
October	S	10/12/2012 22:05	10/13/2012 20:40	10/12/2012 22:05	10/13/2012 20:40	22:35	22:35	Generator vibration.
	F			10/17/2012 5:08	10/19/2012 18:01	60:53		Second superheater leak.
	S	10/19/2012 23:39	10/21/2012 6:25	10/19/2012 23:39	10/21/2012 6:25	30:46	30:46	Second superheater leak.

Report dates of forced outage in columns headed Actual

Louisville Gas & Electric Company
 Mill Creek Unit #4 - Coal - 477 MW
 In-service September 1982
 May 2012 through October 2012

Schedule vs Actual

MONTH	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
	Scheduled		Actual		Scheduled	Forced	Actual	
	FROM	TO	FROM	TO				
May	S	—————>	—————>	—————>	—————>	744:00	744:00	Major boiler overhaul.
June	S	—————>	6/10/2012 15:00	—————>	6/13/2012 20:54	231:00	308:54	" " "
	S	6/22/2012 22:47	6/23/2012 18:18	6/22/2012 22:47	6/23/2012 18:18	19:31	19:31	Boiler drum.
July	S	7/4/2012 1:25	7/4/2012 18:15	7/4/2012 1:25	7/4/2012 18:15	16:50	16:50	Induced draft fan bearing.
	F			7/16/2012 23:19	7/19/2012 14:05	62:46		First reheater leak.
	F			7/22/2012 11:12	7/24/2012 6:21	43:09		Boiler tube leak.
August	F			8/10/2012 16:12	—————>	511:48		Generator main lead.
September	F			—————>	9/12/2012 9:26	273:26		" " "
October	F			10/9/2012 2:14	10/9/2012 11:44	9:30		Generator main lead.

Report dates of forced outage in columns headed Actual

Louisville Gas & Electric Company
 Trimble County Unit #1 - Coal - 383 MW (75% ownership share of 511 MW)
 In-service December 1990
 May 2012 through October 2012

Schedule vs Actual

MONTH	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
	Scheduled		Actual		Scheduled	Forced	Actual	
	FROM	TO	FROM	TO				
May	No outages > or = 6 hours							
June	F			6/15/2012 14:57	6/16/2012 7:40	16:43		Condenser tube leaks.
	S	6/16/2012 7:40	6/17/2012 22:17	6/16/2012 7:40	6/17/2012 22:17	38:37	38:37	Air heater wash.
July	F			7/26/2012 11:43	7/28/2012 11:09	47:26		Boiler tube leak.
August	No outages > or = 6 hours							
September	S	9/8/2012 3:58	9/13/2012 12:56	9/8/2012 3:58	9/13/2012 12:56	128:58	128:58	Air heater cleaning.
October	No outages > or = 6 hours							

Report dates of forced outage in columns headed Actual

Louisville Gas & Electric Company
 Trimble County Unit #2 - Coal - 549 MW (75% ownership share of 732 MW jointly owned with KU)
 In-service January 2011
 May 2012 through October 2012

Schedule vs Actual

MONTH	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
	Scheduled		Actual		Scheduled	Forced	Actual	
	FROM	TO	FROM	TO				
May	S	—————▶	—————▶	—————▶	—————▶	744:00	744:00	Boiler outage.
June	S	—————▶	6/3/2012 15:00	—————▶	6/1/2012 5:46	63:00	5:46	" "
June	F			6/1/2012 6:43	6/1/2012 14:31	7:48		Feedwater flow.
	F			6/3/2012 7:27	6/8/2012 19:48	132:21		Boiler tube leak.
July	No outages > or = 6 hours							
August	No outages > or = 6 hours							
September	S	9/8/2012 2:47	9/16/2012 22:38	9/8/2012 2:47	9/16/2012 22:38	211:51	211:51	Burner inspections.
	F			9/17/2012 1:23	9/17/2012 7:30	6:07		Feedwater by-pass valve.
	F			9/19/2012 22:03	9/20/2012 8:53	10:50		Solenoid.
	F			9/28/2012 3:15	—————▶	68:45		Economizer leak.
October	F			—————▶	10/1/2012 3:43	3:43		" "
	F			10/16/2012 13:47	10/18/2012 16:29	50:42		Boiler tube leak.
	S	10/27/2012 0:00	—————▶	10/27/2012 2:29	—————▶	120:00	117:31	Warranty inspection.

Report dates of forced outage in columns headed Actual

Louisville Gas & Electric Company
 E. W. Brown 5 - Gas CT - 112 MW (jointly owned with KU)
 In-service June 2001
 May 2012 through October 2012

Schedule vs. Actual

MONTH	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
	Scheduled		Actual		Scheduled	Forced	Actual	
	FROM	TO	FROM	TO				
May	No Outages > or = 6 Hours							
June	F		6/14/2012 12:55	6/15/2012 17:03	28:08			GSU transformer.
July	No Outages > or = 6 Hours							
August	No Outages > or = 6 Hours							
September	S	9/17/2012 8:40	9/19/2012 9:20	9/17/2012 8:40	9/19/2012 9:20	48:40	48:40	Disturbance monitoring equipment installation.
	F		9/19/2012 9:20	9/22/2012 11:35		74:15		SFC controls.
October	F		10/17/2012 8:45	10/19/2012 13:06		52:21		GSU transformer.
	F		10/19/2012 13:08	10/26/2012 11:21		166:13		GSU transformer.

Report dates of forced outage in columns headed Actual

Louisville Gas & Electric Company
 E. W. Brown 6 - Gas CT - 146 MW (jointly owned with KU)
 In-service August 1999
 May 2012 through October 2012

Schedule vs. Actual

MONTH	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
	Scheduled		Actual		Scheduled	Forced	Actual	
	FROM	TO	FROM	TO				
May	F			5/31/2012 21:21	—————>		2:39	Turbine exhaust bearing vibration.
June	F				—————>	6/2/2012 18:15	42:15	" " " "
July	No Outages > or = 6 Hours							
August	S	8/21/2012 5:35	8/21/2012 13:10	8/21/2012 5:35	8/21/2012 13:10	7:35	7:35	Oil vapor extractor filter replacement.
September	S	9/24/2012 6:09	9/27/2012 13:06	9/24/2012 6:09	9/27/2012 13:06	78:57	78:57	Disturbance monitoring equipment installation.
October	S	10/1/2012 5:35	10/1/2012 19:08	10/1/2012 5:35	10/1/2012 19:08	13:33	13:33	Compressor wash.
	S	10/5/2012 5:30	10/5/2012 12:52	10/5/2012 5:30	10/5/2012 12:52	7:22	7:22	Gas flow meter calibration and vibration transducer replacement.

Report dates of forced outage in columns headed Actual

Louisville Gas & Electric Company
 E. W. Brown 7 - Gas CT - 146 MW (jointly owned with KU)
 In-service August 1999
 May 2012 through October 2012

Schedule vs. Actual

MONTH	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
	Scheduled		Actual		Scheduled	Forced	Actual	
	FROM	TO	FROM	TO				
May	No Outages > or = 6 Hours							
June	No Outages > or = 6 Hours							
July	No Outages > or = 6 Hours							
August	S	8/20/2012 8:15	8/20/2012 15:00	8/20/2012 8:15	8/20/2012 15:00	6:45	6:45	Oil vapor extractor filter replacement.
September	F			9/2/2012 13:40	9/3/2012 11:57	22:17		Turbine pulsation sensors.
October	S	10/2/2012 5:50	10/2/2012 14:00	10/2/2012 5:50	10/2/2012 14:00	8:10	8:10	Compressor wash.
	S	10/13/2012 0:00	10/21/2012 15:00	10/12/2012 4:45	10/19/2012 8:55	207:00	172:10	Boroscope inspection and disturbance monitoring equipment installation.

Report dates of forced outage in columns headed Actual

Louisville Gas & Electric Company
 Cane Run Unit #11 - Gas CT - 14 MW
 In-service June 1968
 May 2012 through October 2012

Schedule vs Actual

MONTH	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
	Scheduled		Actual		Scheduled	Forced	Actual	
	FROM	TO	FROM	TO				
May	F		5/24/2012 6:47	5/25/2012 17:39	34:52		Speed probe.	
June		No outages > or = 6 hours						
July	F		7/5/2012 20:40	7/6/2012 8:01	11:21		Overspeed solenoid.	
August		No outages > or = 6 hours						
September		No outages > or = 6 hours						
October	F		10/26/2012 15:29	10/28/2012 10:28	42:59		System card.	

Report dates of forced outage in columns headed Actual

Louisville Gas & Electric Company
 Paddys Run Unit #11 - Gas CT - 12 MW
 In-service June 1968
 May 2012 through October 2012

Schedule vs Actual

MONTH	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
	Scheduled		Actual		Scheduled	Forced	Actual	
	FROM	TO	FROM	TO				
May	S	5/14/2012 6:30	5/19/2012 8:35	5/14/2012 6:30	5/19/2012 8:35	122:05	122:05	Pipeline maintenance.
	F			5/23/2012 15:00	5/24/2012 13:14		22:14	Thermocouple.
	F			5/24/2012 15:56	5/24/2012 22:35		6:39	Thermocouple.
	F			5/25/2012 15:33	—————>		152:27	Thermocouple.
June	F			—————>	6/22/2012 12:00		516:00	"
	F			6/29/2012 15:16	6/30/2012 5:00		13:44	High wheel space temperature.
July	S	7/11/2012 7:15	7/11/2012 16:51	7/11/2012 7:15	7/11/2012 16:51	9:36	9:36	Gas line maintenance.
	S	7/16/2012 7:53	7/16/2012 17:20	7/16/2012 7:53	7/16/2012 17:20	9:27	9:27	Gas line maintenance.
	S	7/21/2012 6:33	7/21/2012 19:00	7/21/2012 6:33	7/21/2012 19:00	12:27	12:27	Gas line maintenance.
	S	7/31/2012 7:34	7/31/2012 18:58	7/31/2012 7:34	7/31/2012 18:58	11:24	11:24	Switchyard.
August	F			8/7/2012 14:04	8/8/2012 3:25		13:21	High wheel space temperature.
	S	8/11/2012 5:45	8/11/2012 16:23	8/11/2012 5:45	8/11/2012 16:23	10:38	10:38	Gas line maintenance.
	S	8/18/2012 6:23	8/19/2012 16:32	8/18/2012 6:23	8/19/2012 16:32	34:09	34:09	Gas line maintenance.
September	No outages > or = 6 hours							
October	F			10/1/2012 12:51	10/3/2012 8:40		43:49	Turning gear hydraulic pump.

Report dates of forced outage in columns headed Actual

Louisville Gas & Electric Company
Paddys Run Unit #12 - Gas CT - 23 MW
In-service July 1968
May 2012 through October 2012

Schedule vs Actual

MONTH	MAINTENANCE					HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
	Scheduled		Actual		Scheduled	Forced	Actual		
	FROM	TO	FROM	TO					
May	S	5/14/2012 6:30	5/19/2012 8:35	5/14/2012 6:30	5/19/2012 8:35	122:05		122:05	Pipeline maintenance.
	F			5/24/2012 8:14	5/25/2012 10:42		26:28		Turbine vibration.
June	S	6/11/2012 6:28	6/16/2012 7:53	6/11/2012 6:28	6/16/2012 7:53	121:25		121:25	Gas line maintenance.
July	S	7/11/2012 7:15	7/11/2012 16:51	7/11/2012 7:15	7/11/2012 16:51	9:36		9:36	Gas line maintenance.
	S	7/16/2012 7:53	7/16/2012 17:20	7/16/2012 7:53	7/16/2012 17:20	9:27		9:27	Gas line maintenance.
	S	7/21/2012 6:33	7/21/2012 19:00	7/21/2012 6:33	7/21/2012 19:00	12:27		12:27	Gas line maintenance.
	F			7/25/2012 18:27	7/26/2012 10:49		16:22		Hydrogen system low pressure.
August	S	8/11/2012 5:45	8/11/2012 16:23	8/11/2012 5:45	8/11/2012 16:23	10:38		10:38	Gas line maintenance.
	S	8/18/2012 6:23	8/19/2012 16:32	8/18/2012 6:23	8/19/2012 16:32	34:09		34:09	Gas line maintenance.
September	No outages > or = 6 hours								
October	No outages > or = 6 hours								

Report dates of forced outage in columns headed Actual

Louisville Gas & Electric Company
 Paddys Run Unit # 13 - Gas CT - 147 MW (jointly owned with KU)
 In-service June 2001
 May 2012 through October 2012

Schedule vs Actual

MONTH	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
	Scheduled		Actual		Scheduled	Forced	Actual	
	FROM	TO	FROM	TO				
May	S	5/14/2012 6:30	5/19/2012 8:35	5/14/2012 6:30	5/19/2012 8:35	122:05	122:05	Pipeline maintenance.
June	S	6/11/2012 6:28	6/16/2012 7:53	6/11/2012 6:28	6/16/2012 7:53	121:25	121:25	Gas line maintenance.
	F			6/28/2012 12:20	—————▶		59:40	Static frequency converter.
July	F			—————▶	7/4/2012 10:09		82:09	" " "
	S	7/21/2012 6:28	7/21/2012 19:00	7/21/2012 6:28	7/21/2012 19:00	12:32	12:32	Gas line maintenance.
	F			7/23/2012 20:46	7/24/2012 14:30		17:44	Gas compressor relays.
August	S	8/11/2012 5:45	8/11/2012 16:23	8/11/2012 5:45	8/11/2012 16:23	10:38	10:38	Gas line maintenance.
	S	8/18/2012 6:23	8/18/2012 20:22	8/18/2012 6:23	8/18/2012 20:22	13:59	13:59	Gas line maintenance.
	S	8/18/2012 21:59	8/19/2012 13:50	8/18/2012 21:59	8/19/2012 13:50	15:51	15:51	Gas line maintenance.
September	No outages > or = 6 hours							
October	S	10/13/2012 0:00	10/21/2012 15:00	10/15/2012 6:30	10/21/2012 13:45	207:00	151:15	Generator inspection.

Report dates of forced outage in columns headed Actual

Louisville Gas & Electric Company
 Trimble County Unit #5 - Gas CT - 157 MW (jointly owned with KU)
 In-service May 2002
 May 2012 through October 2012

Schedule vs Actual

MONTH	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
	Scheduled		Actual		Scheduled	Forced	Actual	
	FROM	TO	FROM	TO				
May	No outages > or = 6 hours							
June	No outages > or = 6 hours							
July	No outages > or = 6 hours							
August	F		8/7/2012 8:52	8/8/2012 0:00	15:08			Switchyard transformer.
	F		8/8/2012 0:00	8/8/2012 12:03	12:03			Switchyard transformer.
	F		8/17/2012 4:44	8/17/2012 18:20	13:36			Switchyard switchgear.
September	S	9/29/2012 3:00	9/30/2012 19:38	9/29/2012 3:00	9/30/2012 19:38	40:38	40:38	Cooling water system.
October	No outages > or = 6 hours							

Report dates of forced outage in columns headed Actual

Louisville Gas & Electric Company
 Trimble County Unit #6 - Gas CT - 157 MW (jointly owned with KU)
 In-service May 2002
 May 2012 through October 2012

Schedule vs Actual

MONTH	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
	Scheduled		Actual		Scheduled	Forced	Actual	
	FROM	TO	FROM	TO				
May	F		5/24/2012 12:08	5/24/2012 22:53	10:45			Inlet guide vane control oil leak.
June		No outages > or = 6 hours						
July		No outages > or = 6 hours						
August	F		8/7/2012 8:52	8/8/2012 0:00	15:08			Switchyard transformer.
	F		8/8/2012 0:00	8/8/2012 16:12	16:12			Switchyard transformer.
	F		8/17/2012 4:44	8/18/2012 6:51	26:07			Switchyard switchgear.
September	S	9/28/2012 6:15	9/30/2012 19:24	9/28/2012 6:15	9/30/2012 19:24	61:09	61:09	Cooling water system.
October	S	10/8/2012 7:00	10/10/2012 13:47	10/8/2012 7:00	10/10/2012 13:47	54:47	54:47	Disturbance monitoring equipment installation.

Report dates of forced outage in columns headed Actual

Louisville Gas & Electric Company
 Trimble County Unit #7 - Gas CT - 157 MW (jointly owned with KU)
 In-service June 2004
 May 2012 through October 2012

Schedule vs Actual

MONTH	MAINTENANCE					HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
	Scheduled		Actual		Scheduled	Forced	Actual		
	FROM	TO	FROM	TO					
May	S	—————>	5/27/2012 15:00	—————>	5/26/2012 7:07	639:00		607:07	Hot gas path inspection.
June	S	6/17/2012 4:30	6/17/2012 13:43	6/17/2012 4:30	6/17/2012 13:43	9:13		9:13	Generator vibration.
July	S	7/24/2012 20:40	7/25/2012 4:04	7/24/2012 20:40	7/25/2012 4:04	7:24		7:24	Exhaust frame blower.
August	F			8/7/2012 8:52	8/8/2012 0:00			15:08	Switchyard transformer.
	F			8/8/2012 0:00	8/9/2012 18:40			42:40	Switchyard transformer.
	F			8/17/2012 4:44	8/18/2012 17:33			36:49	Switchyard switchgear.
September	No outages > or = 6 hours								
October	No outages > or = 6 hours								

Report dates of forced outage in columns headed Actual

Louisville Gas & Electric Company
 Trimble County Unit #8 - Gas CT - 157 MW (jointly owned with KU)
 In-service June 2004
 May 2012 through October 2012

Schedule vs Actual

MONTH	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
	Scheduled		Actual		Scheduled	Forced	Actual	
	FROM	TO	FROM	TO				
May	No outages > or = 6 hours							
June	No outages > or = 6 hours							
July	No outages > or = 6 hours							
August	F		8/7/2012 8:52	8/7/2012 22:23	13:31			Switchyard transformer.
	F		8/17/2012 4:44	8/17/2012 14:40	9:56			Switchyard switchgear.
September	No outages > or = 6 hours							
October	S	10/23/2012 4:00	10/25/2012 12:09	10/23/2012 4:00	10/25/2012 12:09	56:09	56:09	Disturbance monitoring equipment installation.
	S	10/26/2012 3:30	10/26/2012 11:17	10/26/2012 3:30	10/26/2012 11:17	7:47	7:47	Switchyard power circuit breaker maintenance.

Report dates of forced outage in columns headed Actual

Louisville Gas & Electric Company
 Trimble County Unit #9 - Gas CT - 157 MW (jointly owned with KU)
 In-service July 2004
 May 2012 through October 2012

Schedule vs Actual

MONTH	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
	Scheduled		Actual		Scheduled	Forced	Actual	
	FROM	TO	FROM	TO				
May	No outages > or = 6 hours							
June	No outages > or = 6 hours							
July	No outages > or = 6 hours							
August	F		8/7/2012 8:52	8/7/2012 22:23	13:31			Switchyard transformer.
	F		8/17/2012 4:44	8/19/2012 12:28	55:44			Switchyard switchgear.
September	F		9/7/2012 9:28	9/7/2012 16:18	6:50			Motor control center.
	S	9/8/2012 0:00	→	9/7/2012 21:20	→	552:00	554:40	Hot gas path inspection.
October	S	→	→	→	→	744:00	744:00	" " " "

Report dates of forced outage in columns headed Actual

Louisville Gas & Electric Company
 Trimble County Unit #10 - Gas CT - 157 MW (jointly owned with KU)
 In-service July 2004
 May 2012 through October 2012

Schedule vs Actual

MONTH	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
	Scheduled		Actual		Scheduled	Forced	Actual	
	FROM	TO	FROM	TO				
May	No outages > or = 6 hours							
June	No outages > or = 6 hours							
July	F		7/18/2012 10:11	7/18/2012 21:22	11:11			Starting system switch.
August	F		8/7/2012 8:52	8/7/2012 21:19	12:27			Switchyard transformer.
	F		8/17/2012 4:44	8/17/2012 13:52	9:08			Switchyard switchgear.
September	No outages > or = 6 hours							
October	S	10/11/2012 3:00	10/13/2012 12:45	10/11/2012 3:00	10/13/2012 12:45	57:45	57:45	Disturbance monitoring equipment installation.
	S	10/23/2012 4:00	10/23/2012 12:35	10/23/2012 4:00	10/23/2012 12:35	8:35	8:35	Switchyard power circuit breaker.
	S	10/26/2012 3:30	10/26/2012 11:17	10/26/2012 3:30	10/26/2012 11:17	7:47	7:47	Switchyard power circuit breaker.

Report dates of forced outage in columns headed Actual

Louisville Gas & Electric Company
 Zorn Unit #1 - Gas CT - 14 MW
 In-service May 1969
 May 2012 through October 2012

Schedule vs Actual

MONTH	MAINTENANCE				HOURS OF DURATION			REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
	Scheduled		Actual		Scheduled	Forced	Actual	
	FROM	TO	FROM	TO				
May	F		5/23/2012 14:05	5/24/2012 8:05	18:00		Turbine control system logic.	
	F		5/24/2012 9:57	5/25/2012 6:41	20:44		Turbine control system logic.	
	F		5/25/2012 14:03	5/26/2012 11:29	21:26		Turbine control system logic.	
	F		5/26/2012 12:23	5/30/2012 8:26	92:03		Turbine control system logic.	
	F		5/30/2012 15:57	5/31/2012 7:52	15:55		Turbine control system logic.	
	F		5/31/2012 15:37	—————>	8:23		Turbine control system logic.	
June	F		—————>	6/1/2012 12:14	12:14		" " " "	
	F		6/1/2012 13:37	6/2/2012 7:49	18:12		Turbine control system logic.	
	F		6/2/2012 13:54	6/4/2012 9:13	43:19		Turbine control system logic.	
	F		6/4/2012 15:58	6/5/2012 8:38	16:40		Turbine control system logic.	
	F		6/5/2012 14:28	6/8/2012 9:21	66:53		Turbine control system logic.	
	F		6/8/2012 11:09	6/15/2012 13:26	170:17		Turbine control system logic.	
	F		6/15/2012 15:22	6/18/2012 11:17	67:55		Turbine control system logic.	
	F		6/18/2012 15:51	6/19/2012 9:16	17:25		Turbine control system logic.	
July	No outages > or = 6 hours							
August	F		8/7/2012 12:40	8/23/2012 7:40	379:00		Exciter fuses.	
	F		8/23/2012 7:40	—————>	208:20		Starting diesel water pump.	
September	F		—————>	9/5/2012 10:00	106:00		" " " "	
	F		9/5/2012 10:00	9/18/2012 9:29	311:29		Turbine control system logic.	
October	S	10/3/2012 7:00	10/3/2012 17:56	10/3/2012 7:00	10:56	10:56	Lube oil filter oil leak.	
	F		10/5/2012 8:45	10/5/2012 15:58	7:13		Lube oil filter oil leak.	

Report dates of forced outage in columns headed Actual

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 15

Witness: Mike Dotson

- Q-15. For each existing fuel contract categorized as long-term (i.e., one year or more in length), provide:
- a. Supplier's name and address;
 - b. Name and location of production facility;
 - c. Date when contract was executed;
 - d. Duration of contract;
 - e. Date(s) of each contract revision, modification, or amendment;
 - f. Annual tonnage requirements;
 - g. Actual annual tonnage received since the contract's inception;
 - h. Percent of annual requirements received during the contract's term;
 - i. Base price in dollars per ton;
 - j. Total amount of price escalations to date in dollars per ton; and
 - k. Current price paid for coal under the contract in dollars per ton (i +j).

A-15. See attached.

A. NAME/ADDRESS:	Alliance Coal, LLC / J09002 1717 South Boulder Av., Suite 400 Tulsa, Oklahoma 74119-4886	
B. PRODUCTION FACILITY:		
OPERATOR	River View Coal, LLC	
MINE	River View Mine	
LOCATION	Union County, Kentucky	
C. CONTRACT EXECUTED DATE:	November 10, 2008	
D. CONTRACT DURATION:	November 3, 2008 – December 31, 2015	
E. CONTRACT AMENDMENTS:	None	
F. ANNUAL TONNAGE REQUIREMENTS:	2010 969,072 tons (includes FM of 30,928 tons) 2011 2,000,000 tons 2012 2,000,000 tons 2013 2,000,000 tons 2014 2,000,000 tons 2015 2,000,000 tons	
G. ACTUAL TONNAGE RECEIVED:	<u>LG&E</u>	<u>KU</u>
	2010 525,414 tons	443,658 tons
	2011 1,177,540 tons	771,648 tons
	2012 1,540,697 tons	160,105 tons
	(through 10/31/12)	
H. PERCENT OF ANNUAL REQUIREMENTS:	2010 100% 2011 97% 2012 85% (through 10/31/12)	
I. BASE PRICE (FOB Barge):	October 1, 2012	\$41.00 per ton
J. ESCALATIONS TO DATE:	\$9.72 per ton	
K. CURRENT CONTRACT PRICE:	\$50.72 per ton	

A. NAME/ADDRESS: Alliance Coal, LLC / J12007
1717 South Boulder Av., Suite 400
Tulsa, Oklahoma 74119-4886

B. PRODUCTION FACILITY:
OPERATOR Hopkins County Coal, Warrior Coal and Webster
County Coal
MINE Seller's Mines
LOCATION Western, Kentucky

C. CONTRACT EXECUTED DATE: December 9, 2011

D. CONTRACT DURATION: January 1, 2012 – December 31, 2016

E. CONTRACT AMENDMENTS: Amendment No. 1, effective January 1, 2013
Amending pricing.

F. ANNUAL TONNAGE REQUIREMENTS:

2012	3,000,000 tons
2013	3,000,000 tons
2014	3,000,000 tons
2015	3,000,000 tons
2016	3,000,000 tons

G. ACTUAL TONNAGE RECEIVED:

	<u>LG&E</u>	<u>KU</u>
2012	2,471,838 tons (through 10/31/12)	14,326 tons

H. PERCENT OF ANNUAL REQUIREMENTS:

2012	83% (through 10/31/12)
------	------------------------

I. BASE PRICE (FOB Railcar):

2012	- \$47.00 per ton FOB Railcar
2013	- \$48.00 per ton FOB Railcar
2014	- Pricing for 1.5 Million tons \$49.00 per ton FOB Railcar Pricing for remaining 1.5 Million tons to be negotiated
2015	- To be negotiated
2016	- To be negotiated

J. ESCALATIONS TO DATE: None

K. CURRENT CONTRACT PRICE: \$47.00 per ton FOB Railcar

A. NAME/ADDRESS:	Armstrong Coal Company, Inc. / J07032 407 Brown Road Madisonville, Kentucky 42431	
B. PRODUCTION FACILITY:	Armstrong Coal Company, Inc.	
OPERATOR	Various	
MINES	Muhlenberg County and Ohio County,	
LOCATION	Kentucky	
C. CONTRACT EXECUTED DATE:	December 20, 2007	
D. CONTRACT DURATION:	January 1, 2008 - December 31, 2016	
E. CONTRACT AMENDMENTS:	Amendment No. 1, effective July 1, 2008 amending base quantity and modifying diesel fuel adjustment to include explosives. Amendment No. 2, effective December 22, 2009 amending term, base quantity, price and environmental force majeure.	
F. ANNUAL TONNAGE REQUIREMENTS:	2008 600,000 tons 2009 2,200,000 tons 2010 1,800,000 tons 2011 through 2015 - 2,100,000 tons per year 2016 900,000 tons	
G. ACTUAL TONNAGE: RECEIVED:	<u>LG&E</u>	<u>KU</u>
	2008 511,414 tons	82,623 tons
	2009 1,530,482 tons	632,077 tons
	2010 1,180,206 tons	657,930 tons
	2011 993,296 tons	877,219 tons
	2012 791,954 tons	919,064 tons
	(through 10/31/12)	
H. PERCENT OF ANNUAL REQUIREMENTS:	2008 99% 2009 98% 2010 102% 2011 89% 2012 81% (through 10/31/12)	
I. BASE PRICE (FOB Barge)	2008 Quality 1 - \$27.31 per ton	

	Quality 2 - \$28.30 per ton
2009	Quality 1 - \$27.60 per ton
	Quality 2 - \$28.76 per ton
2010	Quality 1 - \$28.18 per ton
	Quality 2 - N/A
2011	Quality 1 - \$28.19 per ton
	Quality 2 - \$29.61 per ton
2012	Quality 1 - \$28.35 per ton
	Quality 2 - \$29.77 per ton
2013	Quality 1 - \$28.35 per ton
	Quality 2 - \$29.77 per ton
2014	Quality 1 - \$28.50 per ton
	Quality 2 - \$29.92 per ton
2015	Quality 1 - \$28.50 per ton
	Quality 2 - \$29.92 per ton
2016	Quality 1 - \$30.25 per ton
	Quality 2 - \$31.67 per ton

J. ESCALATIONS TO DATE: \$0.82 per ton

I. CURRENT CONTRACT PRICE: Quality 1 - \$29.17 per ton

A. NAME/ADDRESS: Armstrong Coal Company, Inc. / J10009
407 Brown Road
Madisonville, Kentucky 42431

B. PRODUCTION FACILITY:
OPERATOR Armstrong Coal Company, Inc.
MINES Various
LOCATION Muhlenberg County and Ohio County,
Kentucky

C. CONTRACT EXECUTED DATE: December 22, 2009

D. CONTRACT DURATION: January 1, 2011 - December 31, 2016

E. CONTRACT AMENDMENTS: None

F. ANNUAL TONNAGE REQUIREMENTS:

2011	1,250,000 tons
2012	1,250,000 tons
2013	1,250,000 tons
2014	750,000 tons
2015	750,000 tons
2016	750,000 tons

G. ACTUAL TONNAGE RECEIVED:

	<u>LG&E</u>	<u>KU</u>
2011	565,386 tons	585,065 tons
2012	513,656 tons (through 10/31/12)	530,222 tons

H. PERCENT OF ANNUAL REQUIREMENTS:

2011	92%
2012	84% (through 10/31/12)

I. BASE PRICE (FOB Barge)

2011	\$42.00 per ton
2012	\$43.50 per ton
2013	\$45.00 per ton

J. ESCALATIONS TO DATE: \$2.88 per ton

I. CURRENT CONTRACT PRICE: \$46.38 per ton

A. NAME/ADDRESS: Armstrong Coal Company, Inc. / J12004
407 Brown Road
Madisonville, Kentucky 42431

B. PRODUCTION FACILITY:
OPERATOR Armstrong Coal Company, Inc.
MINES Various
LOCATION Muhlenberg County and Ohio County,
Kentucky

C. CONTRACT EXECUTED DATE: September 19, 2011

D. CONTRACT DURATION: January 1, 2012 - December 31, 2015

E. CONTRACT AMENDMENTS: Amendment No. 1, effective January 1, 2012
amending base quantity.
Amendment No. 2, effective January 1, 2012
amending base quantity.

F. ANNUAL TONNAGE REQUIREMENTS:

2012	340,000 tons
2013	500,000 tons
2014	1,000,000 tons
2015	1,000,000 tons

G. ACTUAL TONNAGE RECEIVED:

	<u>LG&E</u>	<u>KU</u>
2012	290,907 tons	
	(through 10/31/12)	

H. PERCENT OF ANNUAL REQUIREMENTS:

2012	86% (through 10/31/12)
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I. BASE PRICE (FOB Railcar/Barge)

2012	\$45.00 per ton
2013	\$46.00 per ton
2014	\$48.00 per ton
2015	\$49.00 per ton

J. ESCALATIONS TO DATE: \$2.29 per ton

I. CURRENT CONTRACT PRICE: \$47.29 per ton

A. NAME/ADDRESS: Foresight Coal Sales, LLC / J12005
211 North Broadway, Suite 2600
St. Louis, Missouri 63102

B. PRODUCTION FACILITY:
OPERATOR: Macoupin Energy, LLC
Sugar Camp Energy, LLC
MINES: Shay Mine No. 1
Deer Run Mine
Sugarcamp Mine
LOCATION: Macoupin, Montgomery and Franklin Counties,
Illinois

C. CONTRACT EXECUTED DATE: March 14, 2012

D. CONTRACT DURATION: April 1, 2012 - December 31, 2013

E. CONTRACT AMENDMENTS: None

F. ANNUAL TONNAGE REQUIREMENTS

2012	500,000 tons
2013	1,000,000 tons
2014	Reopener

G. ACTUAL TONNAGE RECEIVED:

	<u>KU</u>	<u>LGE</u>
2012	233,895 tons	141,182 tons
	(through 10/31/12)	

H. PERCENT OF ANNUAL REQUIREMENTS:

2012	75% (through 10/31/12)
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I. BASE PRICE: (FOB Barge)

2012	\$46.00 per ton
2013	\$48.50 per ton
2014	Reopener
2015	Reopener

J. ESCALATIONS TO DATE: None

K. CURRENT CONTRACT PRICE: \$46.00 per ton

A. NAME/ADDRESS: Oxford Mining Company – Kentucky, LLC
 (contract acquired on 9/30/09 from Charolais Coal Sales, LLC) / J07003
 544 Chestnut Street
 Coshocton, Ohio 43812

B. PRODUCTION FACILITY:
 OPERATOR Charolais Coal No.1, LLC & Charolais Coal Resources, LLC
 MINE Vogue West & Rock Crusher Mines
 LOCATION Muhlenberg County, Kentucky

C. CONTRACT EXECUTED DATE: December 21, 2006

D. CONTRACT DURATION: January 1, 2007 – December 31, 2011

E. CONTRACT AMENDMENTS: Contract assigned from Phoenix Coal Corp. & Charolais Coal Sales, LLC effective October 1, 2009. Amendment No. 1, dated effective October 1, 2009; term extended to December 31, 2011. Yearly base quantity amended. Amendment No. 1, dated April 15, 2011. Term extended to December 31, 2012. Yearly base quantity amended.

F. ANNUAL TONNAGE REQUIREMENTS:	2007	591,172 tons
	2008	464,372 tons
	2009	791,336 tons
	2010	642,576 tons
	2011	673,197 tons
	2012	250,000 tons

G. ACTUAL TONNAGE RECEIVED:		<u>KU</u>	<u>LGE</u>
	2007	361,950 tons	229,223 tons
	2008	384,389 tons	79,983 tons
	2009	598,474 tons	192,863 tons
	2010	367,542 tons	275,035 tons
	2011	300,984 tons	249,041 tons
	2012	298,627 tons (through 10/31/12)	13,801 tons

H. PERCENT OF ANNUAL REQUIREMENTS:	2007	100%
	2008	100%
	2009	100%
	2010	100%

2011 82%
2012 125% (through 10/31/12)

I. BASE PRICE (FOB Barge):

2007 \$32.20 per ton
2008 \$32.75 per ton
2009 \$34.10 per ton
2010 \$36.10 per ton

J. ESCALATIONS TO DATE:

None

K. CURRENT CONTRACT PRICE:

\$36.10 per ton

A. NAME/ADDRESS: Oxford Mining Company – Kentucky, LLC /
J12003
544 Chestnut Street
Coshocton, Ohio 43812

B. PRODUCTION FACILITY:
OPERATOR Oxford Mining Company – Kentucky, LLC
MINE Briar Hill, Rose France and KO Mines
LOCATION Muhlenberg County, Kentucky

C. CONTRACT EXECUTED DATE: September 12, 2011

D. CONTRACT DURATION: January 1, 2012 – December 31, 2013

E. CONTRACT AMENDMENTS: None

F. ANNUAL TONNAGE REQUIREMENTS: 2012 400,000 tons
2013 600,000 tons

G. ACTUAL TONNAGE RECEIVED:

	<u>KU</u>	<u>LGE</u>
2012	210,562 tons (through 10/31/12)	120,112 tons

H. PERCENT OF ANNUAL REQUIREMENTS: 2012 83% through (10/31/12)

I. BASE PRICE (FOB Barge): 2012 \$46.50 per ton
2013 \$47.50 per ton

J. ESCALATIONS TO DATE: \$2.07 per ton

K. CURRENT CONTRACT PRICE: \$48.57 per ton

A. NAME/ADDRESS:	Patriot Coal Sales, LLC / J12001 12312 Olive Boulevard, Suite 400 St. Louis, Missouri 63141		
B. PRODUCTION FACILITY: OPERATOR	Patriot Coal, Ohio County Coal and Highland Mining Company, LLC		
MINE LOCATION	Patriot, Freedom and Highland Mines Henderson and Union Counties, Kentucky		
C. CONTRACT EXECUTED DATE:	April 29, 2011		
D. CONTRACT DURATION:	January 1, 2012 - December 31, 2013		
E. CONTRACT AMENDMENTS:	None		
F. ANNUAL TONNAGE REQUIREMENTS:	2012	1,250,000 tons	
	2013	1,250,000 tons	
G. ACTUAL TONNAGE RECEIVED:		<u>LG&E</u>	<u>KU</u>
	2012	165,672 tons	879,851 tons (through 10/31/12)
H. PERCENT OF ANNUAL REQUIREMENTS:	2012	84% (through 10/31/12)	
I. BASE PRICE (FOB Barge):	2012	\$46.25 per ton – Quality 1	
	2012	\$49.50 per ton – Quality 2	
	2013	\$46.25 per ton – Quality 1	
	2013	\$49.50 per ton – Quality 2	
J. ESCALATIONS TO DATE:	None		
K. CURRENT CONTRACT PRICE:	\$46.25 per ton – Quality 1		
	\$49.50 per ton – Quality 2		

A. NAME/ADDRESS:	Peabody COALSALES, LLC / J12011 701 Market Street St. Louis, Missouri 63101						
B. PRODUCTION FACILITY: OPERATOR	Peabody Midwest Mining, LLC Peabody Wild Boar Mining, LLC						
MINE	Somerville Mine Complex Wild Boar						
LOCATION	Warrick & Gibson Counties, Indiana						
C. CONTRACT EXECUTED DATE:	December 29, 2011						
D. CONTRACT DURATION:	January 1, 2012 – December 31, 2014						
E. CONTRACT AMENDMENTS:	None						
F. ANNUAL TONNAGE REQUIREMENTS:	2012 1,500,000 tons 2013 1,500,000 tons 2014 1,500,000 tons						
G. ACTUAL TONNAGE RECEIVED:	<table border="0" style="width: 100%;"> <tr> <td></td> <td style="text-align: center;"><u>KU</u></td> <td style="text-align: center;"><u>LGE</u></td> </tr> <tr> <td>2012</td> <td>801,725 tons (through 10/31/12)</td> <td>478,168 tons</td> </tr> </table>		<u>KU</u>	<u>LGE</u>	2012	801,725 tons (through 10/31/12)	478,168 tons
	<u>KU</u>	<u>LGE</u>					
2012	801,725 tons (through 10/31/12)	478,168 tons					
H. PERCENT OF ANNUAL REQUIREMENTS:	2012 85% (through 10/31/12)						
I. BASE PRICE:	<table border="0" style="width: 100%;"> <tr> <td>2012</td> <td>\$49.90 per ton – FOB Barge Evansville \$49.11 per ton – FOB Barge Warrick Co. \$44.50 per ton – FOB Railcar</td> </tr> <tr> <td>2013</td> <td>\$52.15 per ton – FOB Barge Evansville \$51.36 per ton – FOB Barge Warrick Co. \$46.75 per ton – FOB Railcar</td> </tr> <tr> <td>2014</td> <td>\$54.15 per ton – FOB Barge Evansville \$53.36 per ton – FOB Barge Warrick Co. \$48.75 per ton – FOB Railcar</td> </tr> </table>	2012	\$49.90 per ton – FOB Barge Evansville \$49.11 per ton – FOB Barge Warrick Co. \$44.50 per ton – FOB Railcar	2013	\$52.15 per ton – FOB Barge Evansville \$51.36 per ton – FOB Barge Warrick Co. \$46.75 per ton – FOB Railcar	2014	\$54.15 per ton – FOB Barge Evansville \$53.36 per ton – FOB Barge Warrick Co. \$48.75 per ton – FOB Railcar
2012	\$49.90 per ton – FOB Barge Evansville \$49.11 per ton – FOB Barge Warrick Co. \$44.50 per ton – FOB Railcar						
2013	\$52.15 per ton – FOB Barge Evansville \$51.36 per ton – FOB Barge Warrick Co. \$46.75 per ton – FOB Railcar						
2014	\$54.15 per ton – FOB Barge Evansville \$53.36 per ton – FOB Barge Warrick Co. \$48.75 per ton – FOB Railcar						
J. ESCALATIONS TO DATE:	<table border="0" style="width: 100%;"> <tr> <td>\$2.13 per ton – FOB Barge Evansville \$2.40 per ton – FOB Warrick Co.</td> </tr> <tr> <td>\$2.01 per ton – FOB Railcar</td> </tr> </table>	\$2.13 per ton – FOB Barge Evansville \$2.40 per ton – FOB Warrick Co.	\$2.01 per ton – FOB Railcar				
\$2.13 per ton – FOB Barge Evansville \$2.40 per ton – FOB Warrick Co.							
\$2.01 per ton – FOB Railcar							

A. NAME/ADDRESS:	Rhino Energy, LLC / J08028 3120 Wall Street, Suite 310 Lexington, Kentucky 40513		
B. PRODUCTION FACILITY:			
OPERATOR	Sands Hill Coal Company		
MINE	Sands Hill Mine		
LOCATION	Jackson and Vinton Counties, Ohio		
C. CONTRACT EXECUTED DATE:	July 13, 2008		
D. CONTRACT DURATION:	July 1, 2008 – December 31, 2012		
E. CONTRACT AMENDMENTS:	None		
F. ANNUAL TONNAGE REQUIREMENTS:	2008	90,000 tons	
	2009	360,000 tons	
	2010	360,000 tons	
	2011	360,000 tons	
	2012	360,000 tons	
G. ACTUAL TONNAGE RECEIVED:			
		<u>LG&E</u>	
		<u>KU</u>	
	2008	31,033 tons	53,552 tons
	2009	148,063 tons	218,005 tons
	2010	118,375 tons	225,346 tons
	2011	3,308 tons	363,798 tons
	2012	116,288 tons	192,111 tons
		(through 10/31/12)	
H. PERCENT OF ANNUAL REQUIREMENTS:	2008	94%	
	2009	102%	
	2010	95%	
	2011	102%	
	2012	86% (through 10/31/12)	
I. BASE PRICE (FOB Barge):	2008	\$49.25 per ton	
	2009	\$49.25 per ton	
	2010	\$50.25 per ton	
	2011	\$51.85 per ton	
	2012	\$53.40 per ton	
J. ESCALATIONS TO DATE:	-\$1.32 per ton		
K. CURRENT CONTRACT PRICE:	\$52.08 per ton		

A. NAME/ADDRESS: Solar Sources, Inc. / J12010
6755 South Gray Road
Indianapolis, Indiana 46237

B. PRODUCTION FACILITY:
OPERATOR Solar Sources, Inc.
MINE Shamrock, Cannelburg, Charger & Antioch
LOCATION Dubois, Pike and Daviess Counties, Indiana

C. CONTRACT EXECUTED DATE: December 19, 2011

D. CONTRACT DURATION: January 1, 2012 – December 31, 2013

E. CONTRACT AMENDMENTS: None

F. ANNUAL TONNAGE REQUIREMENTS: 2012 300,000 tons
2013 400,000 tons

G. ACTUAL TONNAGE RECEIVED:

	<u>KU</u>	<u>LGE</u>
2012	263,845 tons (through 10/31/12)	0 tons

H. PERCENT OF ANNUAL REQUIREMENTS: 2012 88% (through 10/31/12)

I. BASE PRICE (FOB Barge): 2012 \$49.00 per ton
2013 \$50.11 per ton

J. ESCALATIONS TO DATE: \$1.34 per ton

K. CURRENT CONTRACT PRICE: \$50.34 per ton

A. NAME/ADDRESS: Triad Mining, Inc. / J12009
1524 Frederica Street
Owensboro, Kentucky 42301

B. PRODUCTION FACILITY:
OPERATOR: Triad Mining, Inc.
MINES: Log Creek
LOCATION: Pike County, Indiana

C. CONTRACT EXECUTED DATE: December 19, 2011

D. CONTRACT DURATION: January 1, 2012 - December 31, 2014

E. CONTRACT AMENDMENTS: None

F. ANNUAL TONNAGE REQUIREMENTS:

2012	700,000 tons
2013	700,000 tons
2014	700,000 tons

G. ACTUAL TONNAGE RECEIVED:

	<u>KU</u>	<u>LGE</u>
2012	589,551 tons (through 10/31/12)	0 tons

H. PERCENT OF ANNUAL REQUIREMENTS:

2012	84% (through 10/31/12)
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I. BASE PRICE: (FOB Railcar)

2012	\$45.50 per ton
2013	\$47.50 per ton
2014	\$49.00 per ton

J. ESCALATIONS TO DATE: -\$0.48 per ton

K. CURRENT CONTRACT PRICE: \$45.02 per ton

A. NAME/ADDRESS: Western Kentucky Minerals, Inc. / J10001
P.O. Box 155
Philpot, Kentucky 42366

B. PRODUCTION FACILITY:
OPERATOR: Western Kentucky Minerals, Inc.
MINES: Joe's Run and Sun Energy Mines
LOCATION: Daviess County, Kentucky and Pike County,
Indiana

C. CONTRACT EXECUTED DATE: December 8, 2009

D. CONTRACT DURATION: April 1, 2010 - December 31, 2012

E. CONTRACT AMENDMENTS: None

F. ANNUAL TONNAGE REQUIREMENTS:

2010	253,300 tons
2011	403,300 tons
2012	403,300 tons

G. ACTUAL TONNAGE RECEIVED:

	<u>KU</u>	<u>LGE</u>
2010	141,289 tons	98,507 tons
2011	282,894 tons	116,528 tons
2012	176,256 tons (through 10/31/12)	177,628 tons

H. PERCENT OF ANNUAL REQUIREMENTS:

2010	95%
2011	99%
2012	88% (through 10/31/12)

I. BASE PRICE: (FOB Barge)

2010	\$48.35 per ton
2011	\$48.35 per ton
2012	\$48.35 per ton

J. ESCALATIONS TO DATE: \$21.201 per ton

K. CURRENT CONTRACT PRICE: \$69.551 per ton

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 16

Witness: Robert M. Conroy

Q-16. Provide a schedule of the present and proposed rates that LG&E seeks to change pursuant to 807 KAR 5:056, shown in comparative form.

A-16. See attached.

Louisville Gas and Electric Revised Tariffs

Tariff Sheet No.	Rate Schedule	Existing Base Rate -- Energy, Fuel and ECR	Existing Fuel Component of Base Rates	Existing Base Rate -- Excluding Fuel Base	Revised Fuel Component of Base Rates	Revised Base Rates including Fuel and ECR
5	RS	\$ 0.07439	\$ 0.02215	\$ 0.05224	\$ 0.02725	\$ 0.07949
7	VFD	0.07439	0.02215	0.05224	0.02725	0.07949
10	GS	0.08466	0.02215	0.06251	0.02725	0.08976
15	PS					
	Secondary	0.03550	0.02215	0.01335	0.02725	0.04060
	Primary	0.03416	0.02215	0.01201	0.02725	0.03926
20	TODS	0.03480	0.02215	0.01265	0.02725	0.03990
22	ITODP	0.03028	0.02215	0.00813	0.02725	0.03538
23	CTODP	0.03300	0.02215	0.01085	0.02725	0.03810
25	RTS	0.03100	0.02215	0.00885	0.02725	0.03610
30	FLS					
	Primary	0.03100	0.02215	0.00885	0.02725	0.03610
	Transmission	0.03100	0.02215	0.00885	0.02725	0.03610
37	LE	0.05847	0.02215	0.03632	0.02725	0.06357
38	TE	0.07044	0.02215	0.04829	0.02725	0.07554
79	LEV					
	Off Peak Hours	0.05183	0.02215	0.02968	0.02725	0.05693
	Intermediate Hours	0.07262	0.02215	0.05047	0.02725	0.07772
	Peak Hours	0.13814	0.02215	0.11599	0.02725	0.14324
Special Contracts						
	Fort Knox	0.032300	0.02215	0.01015	0.02725	0.03740
	Louisville Water Company	0.031920	0.02215	0.00977	0.02725	0.03702

LIGHTING SCHEDULES; ALL RATES PER UNIT PER MONTH

Page	Schedule	Kwh per year	Fuel Factor Increase \$/kWh 0.00510	Annual Increase per year	Monthly Increase	Tariff				
						Existing	Revised			
35	LS	Lighting Service								
		Overhead Service								
		Rate	Approximat							
		Code	Type of Fixture	e Lumens	kW Per Light					
		High Pressure Sodium								
		452	Cobra Head	16,000	0.181	724 kWh/year	3.69	0.31	\$ 12.28	\$ 12.59
		453	Cobra Head	28,500	0.294	1,176 kWh/year	6.00	0.50	14.33	14.83
		454	Cobra Head	50,000	0.471	1,884 kWh/year	9.61	0.80	16.31	17.11
		455	Directional	16,000	0.181	724 kWh/year	3.69	0.31	13.23	13.54
		456	Directional	50,000	0.471	1,884 kWh/year	9.61	0.80	17.14	17.94
		457	Open Bottom	9,500	0.117	468 kWh/year	2.39	0.20	10.42	10.62
		Metal Halide								
		470	Directional	12,000	0.150	600 kWh/year	3.06	0.26	\$ 12.27	\$ 12.53
		473	Directional	32,000	0.350	1,400 kWh/year	7.14	0.60	17.80	18.40
		476	Directional	107,800	1.080	4,320 kWh/year	22.03	1.84	37.19	39.03
35.1	LS	Lighting Service								
		Underground Service								
		Rate	Approximat							
		Code	Type of Fixture	e Lumens	kW Per Light					
		High Pressure Sodium								
		412	Colonial, 4 sid	5,800	0.083	332 kWh/year	1.69	0.14	\$ 19.42	\$ 19.56
		413	Colonial, 4 sid	9,500	0.117	468 kWh/year	2.39	0.20	20.05	20.25
		415	Acorn	5,800	0.083	332 kWh/year	1.69	0.14	19.81	19.95
		416	Acorn	9,500	0.117	468 kWh/year	2.39	0.20	22.12	22.32
		427	London	5,800	0.083	332 kWh/year	1.69	0.14	34.83	34.97
		429	London	9,500	0.117	468 kWh/year	2.39	0.20	35.63	35.83
		431	Victorian	5,800	0.083	332 kWh/year	1.69	0.14	32.56	32.70
		433	Victorian	9,500	0.117	468 kWh/year	2.39	0.20	34.55	34.75
		956	Victorian/London Bases				-	-	3.56	3.56
		423	Cobra Head	16,000	0.181	724 kWh/year	3.69	0.31	25.81	26.12
		424	Cobra Head	28,500	0.294	1,176 kWh/year	6.00	0.50	27.69	28.19
		425	Cobra Head	50,000	0.471	1,884 kWh/year	9.61	0.80	32.96	33.76
		439	Contemporary	16,000	0.181	724 kWh/year	3.69	0.31	15.92	16.23
		420	Contemporary	16,000	0.181	724 kWh/year	3.69	0.31	29.35	29.66
		440	Contemporary	28,500	0.294	1,176 kWh/year	6.00	0.50	17.52	18.02
		421	Contemporary	28,500	0.294	1,176 kWh/year	6.00	0.50	32.10	32.60
		441	Contemporary	50,000	0.471	1,884 kWh/year	9.61	0.80	21.25	22.05
		422	Contemporary	50,000	0.471	1,884 kWh/year	9.61	0.80	37.32	38.12
35.2	LS	Lighting Service								
		Underground Service								
		Rate	Approximat							
		Code	Type of Fixture	e Lumens	kW Per Light					
		High Pressure Sodium								
		400	Dark Sky	4,000	0.060	240 kWh/year	1.22	0.10	\$ 23.44	\$ 23.54
		401	Dark Sky	9,500	0.117	468 kWh/year	2.39	0.20	24.46	24.66
		Metal Halide								
		479	Contemporary	12,000	0.150	600 kWh/year	3.06	0.26	13.54	13.80
		480	Contemporary	12,000	0.150	600 kWh/year	3.06	0.26	23.31	23.57
		481	Contemporary	32,000	0.350	1,400 kWh/year	7.14	0.60	19.58	20.18
		482	Contemporary	32,000	0.350	1,400 kWh/year	7.14	0.60	29.33	29.93
		483	Contemporary	107,800	1.080	4,320 kWh/year	22.03	1.84	40.15	41.99
		484	Contemporary	107,800	1.080	4,320 kWh/year	22.03	1.84	49.90	51.74

LIGHTING SCHEDULES; ALL RATES PER UNIT PER MONTH

Page	Schedule	Kwh per year	Fuel Factor Increase \$/kWh 0.00510	Annual Increase per year	Monthly Increase	Tariff	
						Existing	Revised
36	RLS Restricted Lighting Service						
	Overhead Service Rate	Approximate Lumens	kW Per Light				
	Code Type of Fixture						
	Mercury Vapor						
	252 Cobra/Open Bottom	8,000	0.210	840 kWh/year	4.28	0.36	\$ 9.06 \$ 9.42
	458 Cobra Head	8,000	0.210	840 kWh/year	4.28	0.36	10.62 10.98
	203 Cobra Head	13,000	0.298	1,192 kWh/year	6.08	0.51	10.28 10.79
	204 Cobra Head	25,000	0.462	1,848 kWh/year	9.42	0.79	12.51 13.30
	209 Cobra Head	60,000	1.180	4,720 kWh/year	24.07	2.01	25.29 27.30
	207 Directional	25,000	0.462	1,848 kWh/year	9.42	0.79	14.54 15.33
	210 Directional	60,000	1.180	4,720 kWh/year	24.07	2.01	26.49 28.50
	201 Open Bottom	4,000	0.100	400 kWh/year	2.04	0.17	7.82 7.99
	Metal Halide						
	471 Directional	12,000	0.150	600 kWh/year	3.06	0.26	\$ 14.55 \$ 14.81
	474 Directional	32,000	0.350	1,400 kWh/year	7.14	0.60	20.09 20.69
	475 Directional	32,000	0.350	1,400 kWh/year	7.14	0.60	27.54 28.14
	477 Directional	107,800	1.080	4,320 kWh/year	22.03	1.84	40.37 42.21
36.1	RLS Restricted Lighting Service						
	Overhead Service continued Rate	Approximate Lumens	kW Per Light				
	Code Type of Fixture						
	Wood Pole						
	958 Installed Before 3/1/2010				-	-	\$ 11.31 \$ 11.31
	900 Installed Before 7/1/2004				-	-	2.06 2.06
	Underground Service Rate	Approximate Lumens	kW Per Light				
	Code Type of Fixture						
	High Pressure Sodium						
	275 Cobra/Contemporary	16,000	0.181	724 kWh/year	3.69	0.31	24.35 24.66
	266 Cobra/Contemporary	28,500	0.294	1,176 kWh/year	6.00	0.50	26.59 27.09
	267 Cobra/Contemporary	50,000	0.471	1,884 kWh/year	9.61	0.80	30.33 31.13
	276 Coach/Acorn	5,800	0.083	332 kWh/year	1.69	0.14	13.78 13.92
	274 Coach/Acorn	9,500	0.117	468 kWh/year	2.39	0.20	16.73 16.93
	277 Coach/Acorn	16,000	0.181	724 kWh/year	3.69	0.31	21.61 21.92
	279 Contemporary	120,000	1.000	4,000 kWh/year	20.40	1.70	38.88 40.58
	278 Contemporary	120,000	1.000	4,000 kWh/year	20.40	1.70	70.00 71.70
	417 Acorn, Bronze	9,500	0.117	468 kWh/year	2.39	0.20	23.24 23.44
	419 Acorn, Bronze	16,000	0.180	720 kWh/year	3.67	0.31	24.10 24.41
	280 Victorian	5,800	0.083	332 kWh/year	1.69	0.14	18.99 19.13
	281 Victorian	9,500	0.117	468 kWh/year	2.39	0.20	19.89 20.09
	282 London	5,800	0.083	332 kWh/year	1.69	0.14	19.14 19.28
	283 London	9,500	0.117	468 kWh/year	2.39	0.20	20.36 20.56

LIGHTING SCHEDULES; ALL RATES PER UNIT PER MONTH

36.2 RLS Restricted Lighting Service

Underground Service		Approximate								
Rate		Lumens	kW Per Light							
Code	Type of Fixture									
High Pressure Sodium										
426	London	5,800	0.083	332 kWh/year	1.69	0.14	\$	32.85	\$	32.99
428	London	9,500	0.117	468 kWh/year	2.39	0.20		33.65		33.85
430	Victorian	5,800	0.083	332 kWh/year	1.69	0.14		31.89	\$	32.03
432	Victorian	9,500	0.117	468 kWh/year	2.39	0.20		33.89		34.09
Victorian/London Bases										
950	Old Town				-	-		3.47		3.47
951	Chesapeake				-	-		3.73		3.73
Poles										
901	10' Smooth Pole				-	-		10.81		10.81
902	10' Fluted Pole				-	-		12.90		12.90
Mercury Vapor										
318	Cobra Head	8,000	0.210	840 kWh/year	4.28	0.36	\$	16.91	\$	17.27
314	Cobra Head	13,000	0.298	1,192 kWh/year	6.08	0.51		18.52		19.03
315	Cobra Head	25,000	0.462	1,848 kWh/year	9.42	0.79		21.95	\$	22.74
347	Cobra Head (State of KY Pole	25,000	0.462	1,848 kWh/year	9.42	0.79		21.94		22.73
206	Coach	4,000	0.100	400 kWh/year	2.04	0.17		12.13	\$	12.30
208	Coach	8,000	0.210	840 kWh/year	4.28	0.36		13.73		14.09
Incandescent										
349	Continental Jr.	1,500	0.102	408 kWh/year	2.08	0.17	\$	8.72	\$	8.89
348	Continental Jr.	6,000	0.447	1,788 kWh/year	9.12	0.76		12.18		12.94

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 17

Witness: Robert M. Conroy

Q-17. Provide a statement showing by cross-outs and italicized inserts all proposed changes in rates. A copy of the current tariff may be used.

A-17. See attached.

Louisville Gas and Electric Company

P.S.C. Electric No. 9, Original Sheet No. 5

Standard Rate **RS**
Residential Service

APPLICABLE

In all territory served.

AVAILABILITY OF SERVICE

Available for single-phase delivery to single family residential service subject to the terms and conditions on Sheet No. 100 of this Tariff.

RATE

Basic Service Charge: \$10.75 per month

Plus an Energy Charge of: \$ 0.07949 per kWh

Deleted: 0.07439

ADJUSTMENT CLAUSES

The bill amount computed at the charges specified above shall be increased or decreased in accordance with the following:

Fuel Adjustment Clause	Sheet No. 85
Demand-Side Management Cost Recovery Mechanism	Sheet No. 86
Environmental Cost Recovery Surcharge	Sheet No. 87
Franchise Fee Rider	Sheet No. 90
School Tax	Sheet No. 91
Home Energy Assistance Program	Sheet No. 92

MINIMUM CHARGE

The Basic Service Charge shall be the minimum charge.

DUE DATE OF BILL

Customer's payment will be due within sixteen (16) business days (no less than twenty-two (22) calendar days) from the date of the bill.

LATE PAYMENT CHARGE

If full payment is not received by the due date of the bill, a 3% late payment charge will be assessed on the current month's charges. Beginning October 1, 2010, residential customers who receive a pledge for or notice of low income energy assistance from an authorized agency will not be assessed or required to pay a late payment charge for the bill for which the pledge or notice is received, nor will they be assessed or required to pay a late payment charge in any of the eleven (11) months following receipt of such pledge or notice.

TERMS AND CONDITIONS

Service will be furnished under Company's Terms and Conditions applicable hereto.

DATE OF ISSUE: January 31, 2013

DATE EFFECTIVE: January 1, 2013

ISSUED BY: /s/ Edwin R. Staton, Vice President
State Regulation and Rates
Louisville, Kentucky

Deleted: Lonnie E. Bellar

Issued by Authority of an Order of the
Public Service Commission in Case No.
2012-00222 dated December 20, 2012

Louisville Gas and Electric Company

P.S.C. Electric No. 9, Original Sheet No. 7

Standard Rate
VFD
Volunteer Fire Department Service

APPLICABLE

In all territory served.

AVAILABILITY OF SERVICE

Available for single-phase delivery, in accordance with the provisions of KRS 278.172, to any volunteer fire department qualifying for aid under KRS 95A.262. Service under this rate schedule is at the option of the customer with the customer determining whether service will be provided under this schedule or any other schedule applicable to this load.

DEFINITION

To be eligible for this rate a volunteer fire department is defined as:

- 1) having at least 12 members and a chief,
- 2) having at least one firefighting apparatus, and
- 3) half the members must be volunteers.

RATE

Basic Service Charge: \$10.75 per month

Plus an Energy Charge of: \$ ~~0.07949~~ per kWh

Deleted: 0.07439

ADJUSTMENT CLAUSES

The bill amount computed at the charges specified above shall be increased or decreased in accordance with the following:

Fuel Adjustment Clause	Sheet No. 85
Demand-Side Management Cost Recovery Mechanism	Sheet No. 86
Environmental Cost Recovery Surcharge	Sheet No. 87
Franchise Fee Rider	Sheet No. 90
School Tax	Sheet No. 91

MINIMUM CHARGE

The Basic Service Charge shall be the minimum charge.

DUE DATE OF BILL

Customer's payment will be due within sixteen (16) business days (no less than twenty-two (22) calendar days) from the date of the bill.

LATE PAYMENT CHARGE

If full payment is not received by the due date of the bill, a 3% late payment charge will be assessed on the current month's charges.

TERMS AND CONDITIONS

Service will be furnished under Company's Terms and Conditions applicable hereto.

DATE OF ISSUE: January 31, 2013

DATE EFFECTIVE: January 1, 2013

ISSUED BY: /s/ Edwin R. Staton, Vice President
State Regulation and Rates
Louisville, Kentucky

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Louisville Gas and Electric Company

P.S.C. Electric No. 9, Original Sheet No. 10

Standard Rate

GS
General Service Rate

APPLICABLE

In all territory served.

AVAILABILITY OF SERVICE

To general lighting and small power loads for secondary service.

Service under this schedule will be limited to customers whose 12-month-average monthly maximum loads do not exceed 50 kW. Existing customers with 12-month-average maximum monthly loads exceeding 50 kW who are receiving service under P.S.C. Electric No. 6, Fourth Revision of Original Sheet No. 10 as of February 6, 2009, will continue to be served under this rate at their option. If Customer is taking service under this rate schedule and subsequently elects to take service under another rate schedule, Customer may not again take service under this rate schedule unless and until Customer meets the Availability requirements that would apply to a new customer.

RATE

Basic Service Charge: \$20.00 per month for single-phase service
\$35.00 per month for three-phase service

Plus an Energy Charge of: \$ 0.08976 per kWh

Deleted: 0.08466

ADJUSTMENT CLAUSES

The bill amount computed at the charges specified above shall be increased or decreased in accordance with the following:

Fuel Adjustment Clause	Sheet No. 85
Demand-Side Management Cost Recovery Mechanism	Sheet No. 86
Environmental Cost Recovery Surcharge	Sheet No. 87
Franchise Fee Rider	Sheet No. 90
School Tax	Sheet No. 91

DETERMINATION OF MAXIMUM LOAD

If Company determines based on Customer's usage history that Customer may be exceeding the maximum load permitted under Rate GS, Company may, at its discretion, equip Customer with a meter capable of measuring demand to determine Customer's continuing eligibility for Rate GS. If Customer is equipped with a demand-measuring meter, Customer's load will be measured and will be the average kW demand delivered to the customer during the 15-minute period of maximum use during the month.

MINIMUM CHARGE

The Basic Service Charge shall be the Minimum Charge.

DATE OF ISSUE: January 31, 2013

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ISSUED BY: /s/ Edwin R. Staton, Vice President
State Regulation and Rates
Louisville, Kentucky

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2012-00222 dated December 20, 2012

Louisville Gas and Electric Company

P.S.C. Electric No. 9, First Revision of Original Sheet No. 15
Canceling P.S.C. Electric No. 9, Original Sheet No. 15

Standard Rate

PS
Power Service Rate

APPLICABLE

In all territory served.

AVAILABILITY OF SERVICE

This rate schedule is available for secondary or primary service.

Service under this schedule will be limited to customers whose 12-month-average monthly minimum secondary loads exceed 50 kW and whose 12-month-average monthly maximum loads do not exceed 250 kW. Secondary or primary customers receiving service under P.S.C. of Ky. Electric No. 6, Fourth Revision of Original Sheet No. 15, Large Commercial Rate LC, and Fourth Revision of Original Sheet No. 25, Large Power Industrial Rate LP, as of February 6, 2009, with loads not meeting these criteria will continue to be served under this rate at their option. If Customer is taking service under this rate schedule and subsequently elects to take service under another rate schedule, Customer may not again take service under this rate schedule unless and until Customer meets the Availability requirements that would apply to a new customer.

RATE

	Secondary	Primary
Basic Service Charge per month:	\$90.00	\$170.00
Plus an Energy Charge per kWh of:	\$ <u>0.04060</u>	\$ <u>0.03926</u>
Plus a Demand Charge per kW of:		
Summer Rate: (Five Billing Periods of May through September)	\$15.95	\$ 13.50
Winter Rate: (All other months)	\$13.56	\$ 11.21

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Where the monthly billing demand is the greater of:

- a) the maximum measured load in the current billing period but not less than 50 kW for secondary service or 25 kW for primary service, or
- b) a minimum of 50% of the highest billing demand in the preceding eleven (11) monthly billing periods, or
- c) a minimum of 60% of the contract capacity based on the maximum load expected on the system or facilities specified by Customer.

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State Regulation and Rates
Louisville, Kentucky

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Louisville Gas and Electric Company

P.S.C. Electric No. 9, Original Sheet No. 30

Standard Rate FLS
Fluctuating Load Service

APPLICABLE

In all territory served.

AVAILABILITY OF SERVICE

Available for primary or transmission service to customers up to an aggregate of two hundred (200) MVA for all customers taking service under this schedule and under the Fluctuating Load Service FLS schedule of Kentucky Utilities Company. This schedule is restricted to individual customers whose monthly demand is twenty (20) MVA or greater. A customer is defined as a fluctuating load if that customer's load either increases or decreases twenty (20) MVA or more per minute or seventy (70) MVA or more in ten (10) minutes when such increases or decreases exceed one (1) occurrence per hour during any hour of the billing month.

Subject to the above aggregate limit of two hundred (200) MVA, this schedule is mandatory for all customers whose load is defined as fluctuating and not served on another standard rate schedule as of July 1, 2004.

BASE RATE

	<u>Primary</u>	<u>Transmission</u>
Basic Service Charge per month:	\$750.00	\$750.00
Plus an Energy Charge per kWh of:	\$ 0.03610	\$ 0.03610
Plus a Maximum Load Charge per kVA of:		
Peak Demand Period	\$ 2.84	\$ 2.84
Intermediate Demand Period	\$ 1.79	\$ 1.79
Base Demand Period	\$ 1.79	\$ 1.04

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Where:

the monthly billing demand for the Peak and Intermediate Demand Periods is the greater of:

- a) the maximum measured load in the current billing period, or
- b) a minimum of 50% of the highest billing demand in the preceding eleven (11) monthly billing periods, and

the monthly billing demand for the Base Demand Period is the greater of:

- a) the maximum measured load in the current billing period but not less than 20,000 kVA, or
- b) a minimum of 75% of the highest billing demand in the preceding eleven (11) monthly billing periods, or
- c) a minimum of 75% of the contract capacity based on the maximum load expected on the system or on facilities specified by Customer.

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DATE EFFECTIVE: January 1, 2013

ISSUED BY: /s/ Edwin R. Staton, Vice President
State Regulation and Rates
Louisville, Kentucky

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Issued by Authority of an Order of the
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Louisville Gas and Electric Company

P.S.C. Electric No. 9, Original Sheet No. 35

Standard Rate LS
Lighting Service

APPLICABLE

In all territory served.

AVAILABILITY OF SERVICE

Service under this rate schedule is offered under the conditions set out hereinafter for lighting applications such as, but not limited to, the illumination of street, driveways, yards, lots, and other outdoor areas where secondary voltage of 120/240 is available.

Service will be provided under written contract, signed by customer prior to service commencing, when additional facilities are required.

Units marked with an asterisk (*) are not available for use in residential neighborhoods except by municipal authorities.

OVERHEAD SERVICE

Based on Customer's lighting choice, Company will furnish, own, install, and maintain the lighting unit. A basic overhead service includes lamp, fixture, photoelectric control, mast arm, and, if needed, up to 150 feet of conductor per fixture on existing wood poles (fixture only). Company will, upon request furnish ornamental poles, of Company's choosing, together with overhead wiring and all other equipment mentioned for basic overhead service.

RATE

Rate Code	Type of Fixture	Approximate Lumens	kW Per Light	Monthly Charge Fixture Only	
High Pressure Sodium					
452	Cobra Head	16,000	0.181	\$12.59	Deleted: 12.28
453	Cobra Head	28,500	0.294	14.83	Deleted: 14.33
454	Cobra Head	50,000*	0.471	17.11	Deleted: 16.31
455	Directional	16,000	0.181	\$13.54	Deleted: 13.23
456	Directional	50,000*	0.471	17.94	Deleted: 17.14
457	Open Bottom	9,500	0.117	\$10.62	Deleted: 10.42
Metal Halide					
470	Directional	12,000	0.150	\$12.53	Deleted: 12.27
473	Directional	32,000	0.350	18.40	Deleted: 17.80
476	Directional	107,800*	1.080	39.03	Deleted: 37.19

Should Customer request underground service, Customer shall make a non-refundable cash contribution prior to the time of installation, or, at the option of Company, make a work contribution to Company for the difference in the installed cost of the system requested and the cost of the overhead lighting system.

DATE OF ISSUE: January 31, 2013

DATE EFFECTIVE: January 1, 2013

ISSUED BY: /s/ Edwin R. Staton, Vice President Deleted: Lonnie E. Bellar
 State Regulation and Rates
 Louisville, Kentucky

Issued by Authority of an Order of the
 Public Service Commission in Case No.
 2012-00222 dated December 20, 2012

Louisville Gas and Electric Company

P.S.C. Electric No. 9, First Revision of Original Sheet No. 35.1
 Canceling P.S.C. Electric No. 9, Original Sheet No. 35.1

Standard Rate LS Lighting Service

Where the location of existing poles is not suitable or where there are no existing poles for mounting of lights, and customer requests service under these conditions, Company may furnish the requested facilities at an additional charge to be determined under the Excess Facilities Rider. For poles installed prior to 8/1/2010, such charge for each pole and span of secondary installed after 6/30/2004 and used in providing a light offered under LS as listed under RLS Sheet No. 36, Bill Code 958, and such charge for each pole and span of secondary installed prior to 6/30/2004 and used in providing a light offered under LS as listed under RLS Sheet No. 36, Bill Code 900.

UNDERGROUND SERVICE

Based on Customer's lighting choice, Company will furnish, own, install, and maintain poles, fixtures, and any necessary circuitry up to 200 feet. All poles and fixtures furnished by Company will be standard stocked materials. Company may decline to install equipment and provide service thereto in locations deemed by Company as unsuitable for underground installation.

RATE	Rate Code	Type of Fixture	Approximate Lumens	kW Per Light	Monthly Charge		
					Fixture Only	Decorative Smooth	Historic Fluted

High Pressure Sodium

412	Colonial, 4-Sided	5,800	0.083		\$19.56		Deleted: 19.42
413	Colonial, 4-Sided	9,500	0.117		20.25		Deleted: 20.05
415	Acorn	5,800	0.083		\$19.95		Deleted: 19.81
416	Acorn	9,500	0.117		22.32		Deleted: 22.12
427	London	5,800	0.083			\$34.97	Deleted: 34.83
429	London	9,500	0.117			35.83	Deleted: 35.63
431	Victorian	5,800	0.083			\$32.70	Deleted: 32.56
433	Victorian	9,500	0.117			34.75	Deleted: 34.55
					Westchester/Norfolk \$ 3.56		
956	Victorian/London Bases						
423	Cobra Head	16,000	0.181		\$26.12		Deleted: 25.81
424	Cobra Head	28,500	0.294		28.19		Deleted: 27.69
425	Cobra Head	50,000*	0.471		33.76		Deleted: 32.96
439/420	Contemporary	16,000	0.181	\$16.23	\$29.66		Deleted: 15.92
440/421	Contemporary	28,500*	0.294	18.02	32.60		Deleted: 29.35
441/422	Contemporary	50,000*	0.471	22.05	38.12		Deleted: 17.52
							Deleted: 32.10
							Deleted: 21.25
							Deleted: 37.32

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 Louisville, Kentucky

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Louisville Gas and Electric Company

P.S.C. Electric No. 9, First Revision of Original Sheet No. 35.2
 Canceling P.S.C. Electric No. 9, Original Sheet No. 35.2

Standard Rate LS
Lighting Service

UNDERGROUND SERVICE (continued)

RATE Rate Code	Type of Fixture	Approximate Lumens	kW Per Light	Monthly Charge		
				Fixture Only	Decorative Smooth	Historic Fluted
High Pressure Sodium						
400	Dark Sky	4,000	0.060		\$23.54	
401	Dark Sky	9,500	0.117		24.66	
Metal Halide						
479/480	Contemporary	12,000	0.150	\$13.80	\$23.57	
481/482	Contemporary	32,000	0.350	20.18	29.93	
483/484	Contemporary	107,800*	1.080	41.99	51.74	

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- Deleted: 24.46
- Deleted: 13.54
- Deleted: 23.31
- Deleted: 19.58
- Deleted: 29.33
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Customer shall make a non-refundable cash contribution prior to the time of installation, or, at the option of company, make a work contribution to Company for the difference in the installed cost of the system requested and the cost of the conventional overhead lighting system.

Where Customer's location would require the installation of additional facilities, Company may furnish, own, and maintain the requested facilities at an additional charge per month to be determined under the Excess Facilities Rider.

DUE DATE OF BILL

Customer's payment will be due within sixteen (16) business days (no less than twenty-two (22) calendar days) from the date of the bill. Billing for this service to be made a part of bill rendered for other electric service.

DETERMINATION OF ENERGY CONSUMPTION

The kilowatt-hours will be determined as set forth on Sheet No. 67 of this Tariff

ADJUSTMENT CLAUSES

The bill amount computed at the charges specified above shall be increased or decreased in accordance with the following:

Fuel Adjustment Clause	Sheet No. 85
Environmental Cost Recovery Surcharge	Sheet No. 87
Franchise Fee Rider	Sheet No. 90
School Tax	Sheet No. 91

DATE OF ISSUE: January 31, 2013

DATE EFFECTIVE: January 1, 2013

ISSUED BY: /s/ Edwin R. Staton, Vice President
 State Regulation and Rates
 Louisville, Kentucky

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Louisville Gas and Electric Company

P.S.C. Electric No. 9, First Revision of Original Sheet No. 36
 Canceling P.S.C. Electric No. 9, Original Sheet No. 36

Standard Rate **RLS**
Restricted Lighting Service

APPLICABLE
 In all territory served.

AVAILABILITY OF SERVICE
 Service under this rate schedule is restricted to those lighting fixtures/poles in service as of August 1, 2012, except where a spot replacement maintains the continuity of multiple fixtures/poles composing a neighborhood lighting system. Spot placement of restricted fixtures/poles is contingent on the restricted fixtures/poles being available from manufacturers. Spot replacement of restricted units will be made under the terms and conditions provided for under non-restricted Lighting Service Rate LS.

In the event restricted fixtures/poles fail and replacements are unavailable, Customer will be given the choice of having Company remove the failed fixture/pole or replacing the failed fixture/pole with other available fixture/pole

OVERHEAD SERVICE
 Based on Customer's lighting choice, Company has furnished, installed, and maintained the lighting unit complete with lamp, fixture, photoelectric control, mast arm, and, if needed, up to 150 feet of conductor per fixture on existing wood poles (fixture only).

RATE	Rate Code	Type of Fixture	Approximate Lumens	kW Per Light	Monthly Charge			
					Fixture Only	Fixture & Wood Pole	Fixture & Orn. Pole	
Mercury Vapor								
	252	Cobra/Open Bottom	8,000	0.210	\$ 9.42			Deleted: 9.06
	458	Cobra Head	8,000	0.210	\$10.98			Deleted: 10.62
	203	Cobra Head	13,000	0.298	10.79			Deleted: 10.28
	204	Cobra Head	25,000	0.462	13.30			Deleted: 12.51
	209	Cobra Head	60,000	1.180	27.30			Deleted: 25.29
	207	Directional	25,000	0.462	\$15.33			Deleted: 14.54
	210	Directional	60,000	1.180	28.50			Deleted: 26.49
	201	Open Bottom	4,000	0.100	\$ 7.99			Deleted: 7.82
Metal Halide								
	471	Directional	12,000	0.150		\$14.81	N/A	Deleted: 14.55
	474/475	Directional	32,000	0.350		20.69	28.14	Deleted: 20.09
	477	Directional	107,800	1.080		42.21	N/A	Deleted: 27.54
								Deleted: 40.37

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ISSUED BY: /s/ Edwin R. Staton, Vice President
 State Regulation and Rates
 Louisville, Kentucky Deleted: Lonnie E. Bellar

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Louisville Gas and Electric Company

P.S.C. Electric No. 9, First Revision of Original Sheet No. 36.1
 Canceling P.S.C. Electric No. 9, Original Sheet No. 36.1

Standard Rate RLS
Restricted Lighting Service

OVERHEAD SERVICE (continued)

RATE Rate Code	Type of Fixture	Approximate Lumens	kW Per Light	Monthly Charge		
				Fixture Only	Fixture & Wood Pole	Fixture & Orn. Pole
Wood Pole						
958	Installed Before 3/1/2010			\$11.31		
900	Installed Before 7/1/2004			2.06		

UNDERGROUND SERVICE

Based on Customer's lighting choice, Company has furnished, installed, and maintained the lighting unit complete with lamp, fixture, photoelectric control, mast arm, and, if needed, up to 200 feet of conductor per fixture on appropriate poles.

RATE Rate Code	Type of Fixture	Approximate Lumens	kW Per Light	Monthly Charge	
				Fixture Only	Decorative Smooth
High Pressure Sodium					
275	Cobra/Contemporary	16,000	0.181		\$24.66
266	Cobra/Contemporary	28,500	0.294		27.09
267	Cobra Contemporary	50,000	0.471		31.13
276	Coach/Acorn	5,800	0.083		\$13.92
274	Coach/Acorn	9,500	0.117		16.93
277	Coach/Acorn	16,000	0.181		21.92
279/278	Contemporary	120,000	1.000	\$40.58	\$71.70
417	Acorn, Bronze	9,500	0.117		\$23.44
419	Acorn, Bronze	16,000	0.180		24.41
280	Victorian	5,800	0.083	\$19.13	
281	Victorian	9,500	0.117	20.09	
282	London	5,800	0.083	\$19.28	
283	London	9,500	0.117	20.56	

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Deleted: 21.61
Deleted: 38.88
Deleted: 70.00
Deleted: 23.24
Deleted: 24.10
Deleted: 18.99
Deleted: 19.89
Deleted: 19.14
Deleted: 20.36

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ISSUED BY: /s/ Edwin R. Staton, Vice President
 State Regulation and Rates
 Louisville, Kentucky

Deleted: Lonnie E. Bellar

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Louisville Gas and Electric Company

P.S.C. Electric No. 9, First Revision of Original Sheet No. 36.2
 Canceling P.S.C. Electric No. 9, Original Sheet No. 36.2

Standard Rate RLS
Restricted Lighting Service

UNDERGROUND SERVICE (continued)

RATE	Rate Code	Type of Fixture	Approximate Lumens	kW Per Light	Monthly Charge		
					Fixture Only	Decorative Smooth	
High Pressure Sodium							
	426	London	5,800	0.083		\$32.99	Deleted: 32.85
	428	London	9,500	0.117		33.85	Deleted: 33.65
	430	Victorian	5,800	0.083		32.03	Deleted: 31.89
	432	Victorian	9,500	0.117		34.09	Deleted: 33.89
Victorian/London Bases							
	950	Old Town				\$ 3.47	
	951	Chesapeake				3.73	
Poles							
	901	10" Smooth Pole				10.81	
	902	10" Fluted Pole				12.90	
Mercury Vapor							
	318	Cobra Head	8,000	0.210		\$17.27	Deleted: 16.91
	314	Cobra Head	13,000	0.298		19.03	Deleted: 18.52
	315	Cobra Head	25,000	0.462		22.74	Deleted: 21.95
	347	Cobra (State of KY Pole)	25,000	0.462	\$22.73		Deleted: 21.94
	206	Coach	4,000	0.100		\$12.30	Deleted: 12.13
	208	Coach	8,000	0.210		14.09	Deleted: 13.73
Incandescent							
	349	Continental Jr.	1,500	0.102		\$ 8.89	Deleted: 8.72
	348	Continental Jr.	6,000	0.447		12.94	Deleted: 12.18

Where Customer's location required the installation of additional facilities, Company may have furnished the requested facilities at an additional charge per month to be determined under the Excess Facilities Rider.

DUE DATE OF BILL

Payment is due within sixteen (16) business days (no less than twenty-two (22) calendar days) from the date of the bill. Billing for this service to be made a part of the bill rendered for other electric service.

DATE OF ISSUE: January 31, 2013

DATE EFFECTIVE: January 1, 2013

ISSUED BY: /s/ Edwin R. Staton, Vice President
 State Regulation and Rates
 Louisville, Kentucky

Deleted: Lonnie E. Bellar

Issued by Authority of an Order of the
 Public Service Commission in Case No.
 2012-00222 dated December 20, 2012

Louisville Gas and Electric Company

P.S.C. Electric No. 9, Original Sheet No. 37

Standard Rate

LE
Lighting Energy Service

APPLICABLE

In all territory served.

AVAILABILITY OF SERVICE

Available to municipalities, county governments, divisions or agencies of the state or Federal governments, civic associations, and other public or quasi-public agencies for service to public street and highway lighting systems, where the municipality or other agency owns and maintains all street lighting equipment and other facilities on its side of the point of delivery of the energy supplied hereunder.

RATE

\$0.06357 per kWh.

Deleted: 0.05847

ADJUSTMENT CLAUSES

The bill amount computed at the charges specified above shall be increased or decreased in accordance with the following:

Fuel Adjustment Clause	Sheet No. 85
Environmental Cost Recovery Surcharge	Sheet No. 87
Franchise Fee Rider	Sheet No. 90
School Tax	Sheet No. 91

DUE DATE OF BILL

Customer's payment will be due within sixteen (16) business days (no less than twenty-two (22) calendar days) from the date of the bill.

CONDITIONS OF DELIVERY

1. Service hereunder will be metered except when, by mutual agreement of Company and customer, an unmetered installation will be more satisfactory from the standpoint of both parties. In the case of unmetered service, billing will be based on a calculated consumption taking into account the types of equipment served.
2. The location of the point of delivery of the energy supplied hereunder and the voltage at which such delivery is effected shall be mutually agreed upon by Company and the customer in consideration of the type and size of customer's street lighting system and the voltage which Company has available for delivery.

TERMS AND CONDITIONS

Service will be furnished under Company's Terms and Conditions applicable hereto.

DATE OF ISSUE: January 31, 2013

DATE EFFECTIVE: January 1, 2013

ISSUED BY: /s/ Edwin R. Staton, Vice President
State Regulation and Rates
Louisville, Kentucky

Deleted: Lonnie E. Bellar

Issued by Authority of an Order of the
Public Service Commission in Case No.
2012-00222 dated December 20, 2012

Louisville Gas and Electric Company

P.S.C. Electric No. 9, First Revision of Original Sheet No. 38
Canceling P.S.C. Electric No. 9, Original Sheet No. 38

Standard Rate TE
Traffic Energy Service

APPLICABLE

In all territory served.

AVAILABILITY OF SERVICE

Available to municipalities, county governments, divisions of the state or Federal governments or any other governmental agency for service on a 24-hour all-day every-day basis, where the governmental agency owns and maintains all equipment on its side of the point of delivery of the energy supplied hereunder. In the application of this rate each point of delivery will be considered as a separate customer.

This service is limited to traffic control devices including, signals, cameras, or other traffic lights and electronic communication devices.

RATE

Basic Service Charge: \$3.25 per delivery per month

Plus an Energy Charge of: ~~\$0.07554~~ per kWh

Deleted: 0.07044

ADJUSTMENT CLAUSES

The bill amount computed at the charges specified above shall be increased or decreased in accordance with the following:

Fuel Adjustment Clause	Sheet No. 85
Environmental Cost Recovery Surcharge	Sheet No. 87
Franchise Fee Rider	Sheet No. 90
School Tax	Sheet No. 91

MINIMUM CHARGE

The Basic Service Charge shall be the minimum charge.

DUE DATE OF BILL

Customer's payment will be due within sixteen (16) business days (no less than twenty-two (22) calendar days) from the date of the bill.

DATE OF ISSUE: January 31, 2013

DATE EFFECTIVE: January 1, 2013

ISSUED BY: /s/ Edwin R. Staton, Vice President
State Regulation and Rates
Louisville, Kentucky

Deleted: Lonnie E. Bellar

Issued by Authority of an Order of the
Public Service Commission in Case No.
2012-00222 dated December 20, 2012

Louisville Gas and Electric Company

P.S.C. Electric No. 9, First Revision of Original Sheet No. 85.1
Canceling P.S.C. Electric No. 9, Original Sheet No. 85.1

Adjustment Clause

FAC
Fuel Adjustment Clause

- (3) Forced Outages are all non-scheduled losses of generation or transmission which require substitute power for a continuous period in excess of six (6) hours. Where forced outages are not as a result of faulty equipment, faulty manufacture, faulty design, faulty installations, faulty operation, or faulty maintenance, but are Acts of God, riot, insurrection or acts of the public enemy, then the utility may, upon proper showing, with the approval of the Commission, include the fuel cost of substitute energy in the adjustment. Until such approval is obtained, in making the calculations of fuel cost (F) in subsection (2)(a) and (b) above, the forced outage costs to be subtracted shall be no less than the fuel cost related to the lost generation.
- (4) Sales (S) shall be all kWh sold, excluding inter-system sales. Where, for any reason, billed system sales cannot be coordinated with fuel costs for the billing period, sales may be equated to the sum of (i) generation, (ii) purchases, (iii) interchange in, less (iv) energy associated with pumped storage operations, less (v) inter-system sales referred to in subsection (2)(d) above, less (vi) total system losses. Utility used energy shall not be excluded in the determination of sales (S).
- (5) The cost of fossil fuel shall include no items other than the invoice price of fuel less any cash or other discounts. The invoice price of fuel includes the cost of the fuel itself and necessary charges for transportation of the fuel from the point of acquisition to the unloading point, as listed in Account 151 of FERC Uniform System of Accounts for Public Utilities and Licensees.
- (6) Base (b) period shall be the twelve (12) months ending October 2010 and the base fuel factor is ~~\$0.02725~~ per kWh.
- (7) Current (m) period shall be the second month preceding the month in which the Fuel Clause Adjustment Factor is billed.
- (8) Pursuant to the Public Service Commission's Order in Case No. 2010-00493 dated May 31, 2011, the Fuel Adjustment Clause will become effective with bills rendered on and after the first billing cycle for July 2011, which begins June 29, 2011.

Deleted: 0.02215

DATE OF ISSUE: January 31, 2013

DATE EFFECTIVE: January 1, 2013

ISSUED BY: /s/ ~~Edwin R. Staton~~, Vice President
State Regulation and Rates
Louisville, Kentucky

Deleted: Lonnie E. Bellar

Issued by Authority of an Order of the
Public Service Commission in Case No.
2012-00222 dated December 20, 2012

LOUISVILLE GAS AND ELECTRIC COMPANY

FORT KNOX ELECTRIC RATE

Effective With Bills Rendered On and After January 1, 2013

Availability:

Available for electric service as hereinafter described to the Fort Knox Military Reservation. This rate schedule does not apply to the separately-served Muldraugh Pumping Plant.

Rate:

Demand Charge:

Winter Rate: (Applicable during 8 monthly billing periods of October through May)

All kilowatts of billing demand \$12.35 per Kw per month

Summer Rate: (Applicable during 4 monthly billing periods of June through September)

All kilowatts of billing demand \$14.67 per Kw per month

Energy Charge: All kilowatt-hours per month ~~\$0.03740 per Kwh~~

Deleted: 0 03230

Determination of Billing Demand:

The billing demand for the month shall be the highest average load in kilowatts occurring during any 15-minute interval in the month as shown by maximum demand instrument, but not less than 50% of the maximum demand similarly delivered during the eleven preceding months, nor less than a minimum billing demand of 5,000 kilowatts.

Power Factor Provision: The monthly demand charge shall be decreased .4% for each whole one percent by which the monthly average power factor exceeds 80% lagging and shall be increased .6% for each whole one percent by which the monthly average power factor is less than 80% lagging.

Fuel Clause: This special contract is subject to the provisions of the Fuel Adjustment Clause found in LG&E's Tariff PSC of Ky. Electric No. 9, Original Sheet No. 85 and Original Sheet No. 85.1.

Minimum Monthly Charge: The monthly bill shall in no event be less than the demand charge computed upon the billing demand for the month.

Billing Period:

The billing period for electric service hereunder shall be the calendar month.

Delivery and Metering:

Service hereunder shall be metered at 34,500 volts at Company's 138/34.5 KV Tip Top Substation, then transmitted and delivered at 34.5 KV by Company over two circuits to Customer's several substations. Meter readings on Company's two circuits will be combined for billing and the maximum demand will be determined as the coincident maximum demand on such two circuits.

Applicability of Rules:

Service under this rate schedule is subject to Company's Terms and Conditions governing the supply of electric service as incorporated in its Tariff as filed with the Public Service Commission of Kentucky.

Regulatory Jurisdiction:

Rates, terms and conditions herein provided are subject to the regulatory jurisdiction of the Public Service Commission of Kentucky.

Mr. Kent Horrell
Director of Operations
Louisville Water Company
550 South Third Street
Louisville, Kentucky 40202

Louisville Gas and
Electric Company
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

January 7, 2013

**RE: *Louisville Gas and Electric Company's Application
For Adjustments in its Electric and Gas Rates -
Case No. 2012-00222***

Dear Mr. Horrell:

On June 29, 2012, Louisville Gas and Electric Company ("LG&E") filed an Application with the Kentucky Public Service Commission ("Commission") requesting adjustments to its gas and electric rates, terms, and conditions, including the rates for electric service under the power contract dated October 10, 1961, between LG&E and Louisville Water Company.

On November 19, 2012, LG&E filed a Settlement Agreement, Stipulation, and Recommendation with the Commission proposing rates lower than those originally proposed on June 29. On December 20, 2012, after evidentiary hearings, the Commission issued its Order in Case No. 2012-00222, approving the rates submitted by LG&E in the Stipulation and Recommendation, including the rates contained in the aforementioned special contract.

The rates approved by the Commission to become effective with service rendered on and after January 1, 2013, are set forth below:

Demand Charge - \$10.00 per kW of billing demand per month

Energy Charge - ~~3.702¢~~ per kWh

Deleted: 3.192

Fuel Clause is set forth on the attached Exhibit 1.

Mr. Kent Horrell
Director of Operations
Louisville Water Company
January 7, 2013

All other provisions of your contract, not specifically mentioned herein, remain the same as those in effect prior to the date of the Commission's Order of December 20, 2012, and all other Tariffs and Riders applicable to this contract will continue to apply.

If you have any questions regarding this matter, please contact me.

Sincerely,

Robert M. Conroy

Attachment

EXHIBIT I

Fuel Clause

Applicable: In all territory service. This schedule is a mandatory rider to all electric rate schedules.

- (1) The monthly amount computed under each of the rate schedules to which this fuel clause is applicable shall be increased or decreased at a rate per kilowatt-hour of monthly consumption in accordance with the following formula:

$$\text{Adjustment Factor} = F/S - 2.725\%$$

Deleted: 2.215

Where F is the expense of fuel in the second preceding month and S is the sales in the second preceding month, as defined below:

- (2) Fuel costs (F) shall be the cost of:
- (a) Fossil fuel consumed in the Company's plants plus the cost of fuel which would have been used in plants suffering forced generation or transmission outages, but less the cost of fuel related to substitute generation, plus
 - (b) The actual identifiable fossil and nuclear fuel costs associated with energy purchased for reasons other than identified in paragraph (c) below, but excluding the cost of fuel related to purchases to substitute for the forced outages, plus
 - (c) The net energy cost of energy purchases, exclusive of capacity or demand charges (irrespective of the designation assigned to such transaction) when such energy is purchased on an economic dispatch basis. Included therein are such costs as the charges for economy energy purchases and the charges as a result of scheduled outage, all such kinds of energy being purchased by Company to substitute for its own higher cost energy, and less
 - (d) The cost of fossil fuel recovered through inter-system sales including the fuel costs related to economy energy sales and other energy sold on an economic dispatch basis.
 - (e) All fuel costs shall be based on weighted average inventory costing. The cost of fossil fuel shall include no items other than the invoice price of fuel less any cash or other discounts. The invoice price of fuel includes the cost of the fuel itself and necessary charges for transportation of fuel from the point of acquisition to the unloading point, as listed in Account 151 of the FERC Uniform System of Accounts for Public Utilities and Licensees.
 - (f) As used herein, the term "forced outages" means all nonscheduled losses of generation or transmission which require substitute power for a continuous period in excess of six hours. Where forced outages are not as a result of faulty equipment, faulty manufacture, faulty design, faulty installations, faulty operation, or faulty maintenance, but are Acts of God, riot, insurrection or acts of the public enemy, then the Company may, upon proper showing, with the approval of the Commission, include the fuel cost of substitute energy in the adjustment.
- (3) Sales (S) shall be determined in kilowatt-hours as follows:
- Add:
- (a) net generation
 - (b) purchases
 - (c) interchange-in
- Subtract:
- (d) inter-system sales including economy energy and other energy sold on an economic dispatch basis
 - (e) total system losses

* Pursuant to the Public Service Commission's Order in Case No. 2010-00493 dated May 31, 2011, the Fuel Adjustment Clause will become effective with bills rendered on and after June 29, 2011.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 18

Witness: Mike Dotson

- Q-18. a. State whether LG&E regularly compares the price of its coal purchases with those paid by other electric utilities.
- b. If the response is yes, state:
- (1) The utilities that are included in this comparison and their locations; and
 - (2) How LG&E's prices compare with those of the other utilities for the review period. Include all prices used in the comparison in cents per MMBtu.

A-18. a. Yes.

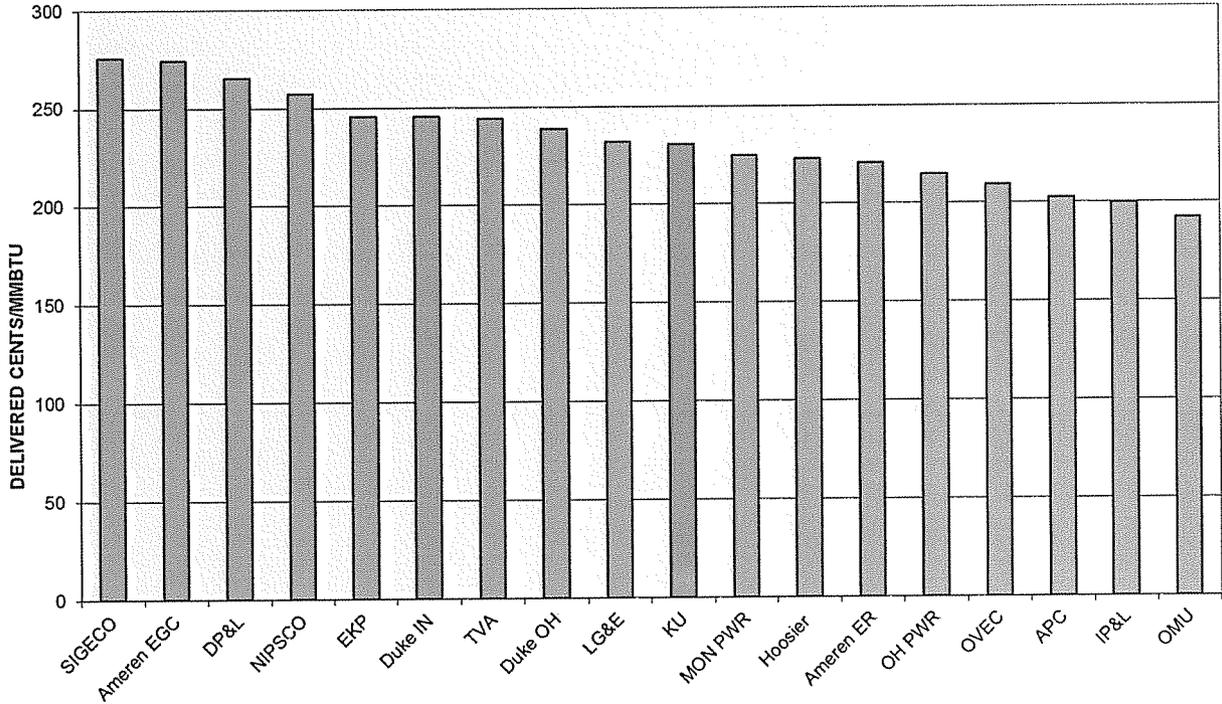
- b. LG&E compares pricing of its coal purchases with neighboring utilities from data that is compiled by Energy Velocity database. The utilities included in the comparison are shown on the list found on page 1 of the Attachment to this response. The chart found on page 2 of the Attachment shows the comparison for coal greater than 5.0 lbs. SO₂ content, which coal is in line with the coal used in all of LG&E's units.

The chart on page 3 of the Attachment shows the price comparison of coal containing less than 5.0 lbs. SO₂ content. LG&E accepts deliveries of lower sulfur coal to satisfy bids with a sulfur content specification of 6 lbs. The lower sulfur coal is being supplied under a contract specifying higher sulfur content coal and appropriate pricing; therefore, the price of the lower sulfur content coal is similar to what LG&E is paying for high sulfur coal.

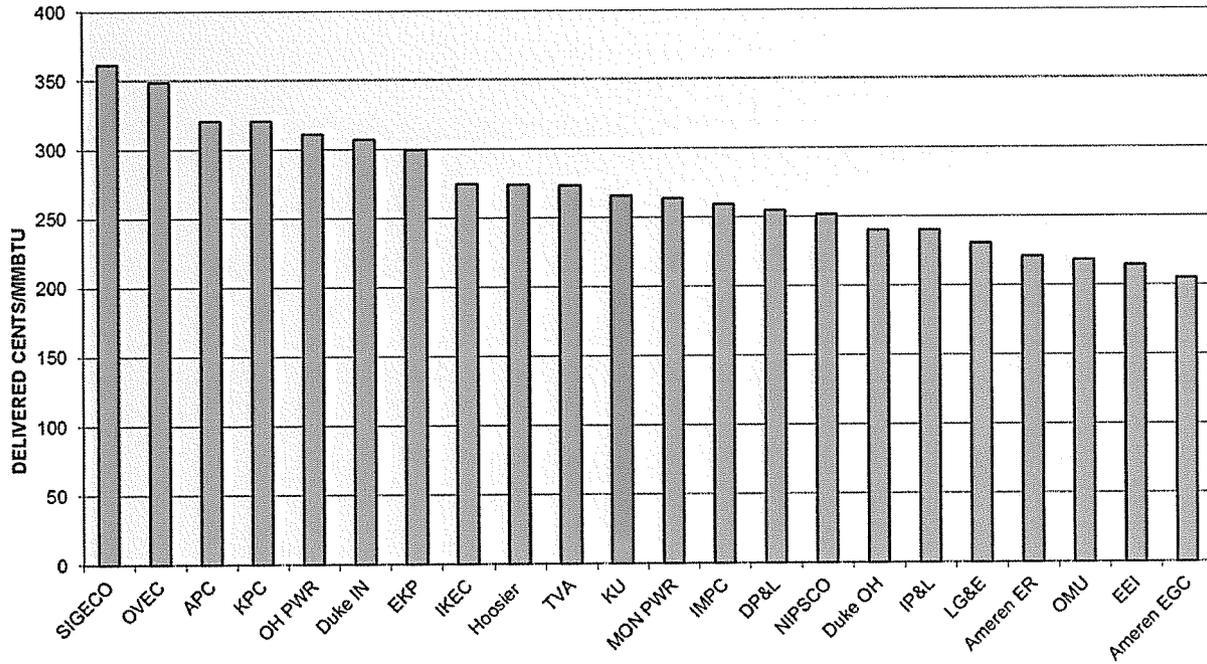
Utilities in Comparison List

UTILITY	ABBREVIATED	PLANT LOCATIONS
AmerenEnergy Generating Co	Ameren ER	Illinois
AmerenEnergy Resources Generating Co	Ameren EGC	Illinois
Appalachian Power Co	APC	Virginia, West Virginia
Cardinal Operating (AEP)	Cardinal	Ohio
Columbus Southern Power Co	CSPC	Kentucky, Ohio
Dayton Power & Light Co (The)	DP&L	Ohio
Duke Energy Indiana	Duke IN	Indiana
Duke Energy Ohio	Duke OH	Ohio
East Kentucky Power Coop	EKP	Kentucky
Electric Energy Inc	EEI	Illinois
Hoosier Energy Rural Electric Coop Inc	Hoosier	Indiana
Indiana Kentucky Electric Corp	IKEC	Indiana
Indiana Michigan Power Co	IMPC	Indiana
Indianapolis Power & Light	IP&L	Indiana
Kentucky Power Co	KPC	Kentucky
Kentucky Utilities Co	KU	Kentucky
Louisville Gas & Electric Co	LG&E	Kentucky
Monongahela Power Co	MON PWR	West Virginia
Northern Indiana Public Service Co	NIPSCO	Indiana
Ohio Power Co	OH PWR	Ohio, West Virginia
Ohio Valley Electric Corp	OVEC	Ohio
Owensboro Municipal Utilities	OMU	Kentucky
Southern Indiana Gas & Electric Co	SIGECO	Indiana
Tennessee Valley Authority	TVA	Alabama, Kentucky, Tennessee

Price Comparison
≥ 5.0 Lbs SO₂ Content (Jan 12 - Dec 12)



Price Comparison
< 5.0 Lbs SO₂ Content Jan 12 - Dec12)



LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 19

Witness: Mike Dotson

Q-19. For the period under review by generating station, list the percentages of LG&E's coal delivered by:

- a. Rail;
- b. Truck; and
- c. Barge.

A-19. a. Rail: 53%
b. Truck: 0%
c. Barge: 47%

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 20

Witness: Mike Dotson

Q-20. For each generating station, state the methods of coal delivery currently available.

A-20. Cane Run Station – Rail

Mill Creek Station – Rail and barge

Trimble County Station – Barge

LOUISVILLE GAS AND ELECTRIC COMPANY

Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013

Case No. 2012-00553

Question No. 21

Witness: Mike Dotson

- Q-21. a. State LG&E's coal inventory level in tons and in number of days' supply as of October 31, 2012, Provide this information by generating station and in the aggregate.
- b. Describe the criteria used to determine the number of days' supply.
- c. Compare LG&E's coal inventory as of October 31, 2012 to its inventory target for that date for each plant and for total inventory.
- d. If actual coal inventory exceeds inventory target by 10 days' supply, state the reasons for the additional inventory.
- e. (1) State whether LG&E expects any significant changes in its current coal inventory target within the next 12 months.
- (2) If the response is yes, state the expected change and the reasons for this change.

A-21. a. As of October 31, 2012:

Cane Run	250,940 Tons; 43 Days	Target 23-43 Days
Mill Creek	752,536 Tons; 51 Days	Target 25-44 Days
Trimble County*	283,097 Tons; 58 Days	Target 25-45 Days
Total	1,286,573 Tons; 48 Days	Target 24-42 Days

* Trimble County coal inventory includes both high sulfur coal, which is used in Units 1 and 2, and PRB coal, which is used only in Unit 2.

- b. The method of calculating days in inventory is based on each plant's coal burn capability (coal tons in inventory divided by 90% of each generating unit's heat input description from its air permit to operate).

Upper and lower tons/day targeted inventory days were established for each plant taking into consideration each plant's operating parameters. Each plants "least cost"

inventory range is established annually during the planning process based on historical coal burn/receipt variances, procurement reaction time for long-term fuel supply agreements, current coal and electricity prices offset by carrying and outage costs.

- c. See (a) above.
- d. Trimble County Unit 2 inventory level exceeded the target due to an extensive outage during the review period.
- e. (1) LG&E does not expect significant changes in its current coal inventory target levels; however, during the Companies' planning cycle minor adjustments may be made to the inventory targets if warranted.

(2) Not applicable.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 22

Witness: Mike Dotson

Q-22. a. State whether LG&E has audited any of its coal contracts during the period from May 1, 2012 to October 31, 2012.

b. If the response is yes, for each audited contract:

(1) Identify the contract;

(2) Identify the auditor;

(3) State the results of the audit; and

(4) Describe the actions that LG&E took as a result of the audit.

A-22. a. No. LG&E has not conducted any financial audits of coal companies. LG&E's current coal contracts either contain a fixed price or a portion of the base contract price is adjusted using government published indices to reflect the changes in the cost. These agreements thus do not require audits. Either LG&E's Manager Fuels Risk Management or Mining Engineer does conduct scheduled on-site reviews and inspections of the mining operations and sampling systems of each vendor up to twice a year and likewise may conduct unscheduled visits. Additionally, LG&E employees may visit a vendor as needed to address problems and issues at any time.

Coal mine safety regulations were imposed by the Federal Mine Safety and Health Administration. The U. S. Congress passed the Mine Improvement and New Emergency Response Act of 2006 (MINER Act), which became law on June 15, 2006. For claims received, LG&E has hired Weir International, Inc. (a consultant with experience in the mining industry) to review the requests.

Smoky Mountain Coal, in accordance with the provisions of Section 8.3 New Imposition of Agreement LGE-02013, requested a price increase for the periods of July 1, 2007 – May 31, 2008 and June 1, 2008 – September 30, 2008. Weir has

reviewed the claims for this period. As indicated in the response to Question No. 24, LG&E is currently in litigation on this contract.

Alliance Coal, LLC, in accordance with the provisions of Section 8.3 Governmental Impositions of Agreement LGE06010, made claims for price adjustments for the coal sold under the Agreement during 2011. The Parties agreed to a settlement. A copy of the Settlement Agreement effective October 12, 2012 is being filed with the Commission under seal pursuant to a Petition for Confidential Treatment.

Alliance Coal, LLC, in accordance with the provisions of Section 8.3 Governmental Impositions of Agreement J09002, made claims for price adjustments for the coal sold under the Agreement during 2011. The Parties agreed to a settlement. A copy of the Settlement Agreement effective November 14, 2012 is being filed with the Commission under seal pursuant to a Petition for Confidential Treatment.

Patriot Coal Sales, LLC, in accordance with the provisions of Section 8.4 New Governmental Impositions of Agreement J12001, made claims for price increase for the September 2010 ETS (rock dust). The Parties agreed to a settlement. A copy of the Settlement Agreement made as of September 14, 2012 is being filed with the Commission under seal pursuant to a Petition for Confidential Treatment.

- b. Not applicable

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 23

Witness: Robert M. Conroy

- Q-23. a. State whether LG&E has received any customer complaints regarding its FAC during the period from May 1, 2012 to October 31, 2012.
- b. If the response is yes, for each complaint, state:
- (1) The nature of the complaint; and
 - (2) LG&E's response.
- A-23. a. No.
- b. Not applicable.

LOUISVILLE GAS AND ELECTRIC COMPANY

Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013

Case No. 2012-00553

Question No. 24

Witness: Mike Dotson

- Q-24. a. State whether LG&E is currently involved in any litigation with its current or former coal suppliers.
- b. If the response is yes, for each litigation:
- (1) Identify the coal supplier;
 - (2) Identify the coal contract involved;
 - (3) State the potential liability or recovery to LG&E;
 - (4) List the issues presented; and
 - (5) Provide a copy of the complaint or other legal pleading that initiated the litigation and any answers or counterclaims. If a copy has previously been filed with the Commission, provide the date on which it was filed and the case in which it was filed.
- c. State the current status of all litigation with coal suppliers.

A-24. a. Yes

b. **Coal Supply Agreement KUF02860/LGE02013**

- (1) Resource Sales, Inc. ("Resource"), Allied resources, Inc. ("Allied"), Cochise Coal Company, Inc. ("Cochise"), and Smoky Mountain Coal Corporation ("SMCC")
- (2) Coal Purchase Order LGE-02013 dated as of January 1, 2002, as amended.
- (3) KU and LG&E jointly seek to recover damages arising from the non-delivery of 1,019,829 tons of coal. Plaintiffs seek to have the court interpret the force

majeure provision in the Agreement and to recover the amount of payments withheld by KU and LG&E to offset their claim for damages.

- (4) Plaintiffs claim the force majeure provision should be interpreted in such a way that LG&E is not entitled to any more deliveries of coal pursuant to the Agreement. LG&E disagrees and withheld certain payments, as permitted under the Agreement and demands that the Plaintiffs resume deliveries as required under the Agreement.
 - (5) A copy of the Complaint filed by the Plaintiffs in the Circuit Court of Webster County, Kentucky, Civil Action No. 08-CI-00334, a copy of the First Amended Complaint filed by the Plaintiffs in the Circuit Court of Webster, Kentucky, Civil Action No. 08-CI-00334, and a copy of the Answer and Counterclaim filed by LG&E was filed with the Commission in Case No. 2008-00521.
- c. This case is in the discovery phase and is ongoing. The Court denied Plaintiff's motion for judgment on the pleadings and agreed with LG&E's argument that the UCC applies to the contract and allows its interpretation to be informed by evidence on course of conduct, course of dealing and usage of trade. A trial is presently set to begin on June 17, 2013.

LOUISVILLE GAS AND ELECTRIC COMPANY

Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013

Case No. 2012-00553

Question No. 25

Witness: Mike Dotson

Q-25. List each written coal supply solicitation issued during the period May 1, 2012 to October 31, 2012.

- a. For each solicitation, provide the date of the solicitation (contract or spot), the quantities solicited, a general description of the quality of coal solicited, the time period over which deliveries were requested, and the generating unit(s) for which the coal was intended.
- b. For each solicitation, state the number of vendors to whom the solicitation was sent, the number of vendors who responded, and the selected vendor. Provide the bid tabulation sheet or corresponding document that ranks the proposals. (This document shall identify all vendors who made offers.) State the reasons for each selection. For each lowest-cost bid not selected, explain why the bid was not selected.

A-25. a. In Case No. 2012-00320, a review of LG&E's FAC for the period November 1, 2011 through April 30, 2012, the final selection of the vendors who responded to the solicitation dated March 5, 2012 was not complete at the time the data responses were filed. The requested information for the selected vendors mentioned above is provided below.

Date: March 5, 2012
Contract/Spot: Contract or Spot
Quantities: No minimum or maximum specified
Quality: Suitable for LG&E power plants and KU's Ghent power plants
Period: Up to 10 years
Generating Units: All LG&E coal fired units and KU's Ghent power plant (beginning July 1, 2012)

- b. Number of vendors receiving bids: 143
Number of vendors responded: 23 companies / 47 offers
Selected vendor(s): High sulfur coal for barge served plants: The vendor selected was based upon the lowest evaluated delivered cost.

Rhino Energy, LLC – J14001

The bid analysis information is confidential and proprietary information and is being filed with the Commission under seal pursuant to a Petition for Confidential Protection.

- a. Date: September 24, 2012
Contract/Spot: Contract or Spot
Quantities: No minimum or maximum specified
Quality: Suitable for LG&E power plants and KU's Ghent power plants
Period: Up to 10 years
Generating Units: All LG&E coal fired units and KU's Ghent power plant

- b. Number of vendors receiving bids: 138
Number of vendors responded: 20 companies / 29 offers
Selected vendor(s): The final selection of the vendor from the high sulfur bids has not been completed; however, negotiations are still in progress. The name of the selected vendors and supporting bid tabulation will be provided to the Commission after the negotiations are completed and the agreements signed.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 26

Witness: Mike Dotson

Q-26. List each oral solicitation for coal supplies issued during the period from May 1, 2012 to October 31, 2012.

- a. For each solicitation, state why the solicitation was not written, the date(s) of the solicitation, the quantities solicited, a general description of the quality of coal solicited, the time period over which deliveries were requested, and the generating unit(s) for which the coal was intended.
- b. For each solicitation, identify all vendors solicited and the vendor selected. Provide the bid tabulation sheet or other document that ranks the proposals. (This document shall identify all vendors who made offers.) State the reasons for each selection. For each lowest-cost bid not selected, explain why the bid was not selected.

A-26. LG&E did not issue any oral coal supply solicitations.

- a. Not applicable.
- b. Not applicable.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 27

Witness: Mike Dotson

Q-27. For the period from May 1, 2012 to October 31, 2012, list each vendor from whom coal was purchased and the quantity and nature of each purchase (e.g., spot or contract). For the period under review in total, provide the percentage of purchases that were spot versus contract. For contract purchases, state whether the contract has been filed with the Commission. If the response is no, explain why it has not been filed.

A-27. The contracts have been filed with the Commission.

<u>PURCHASE VENDOR</u>	<u>PURCHASE TONNAGE</u>	<u>TYPE</u>
Alliance – J09002	880,325	Contract
Alliance – J12007	1,437,288	Contract
Armstrong Coal – J07032	473,476	Contract
Armstrong Coal – J10009	309,520	Contract
Armstrong Coal – J12004	136,141	Contract
Consol – J12039	19,449	Spot
Foresight – J12005	141,182	Contract
Oxford Mining – J12003	81,189	Contract
Patriot Coal Company – J12001	32,815	Contract
Patriot Coal Company – K11001	13,898	Contract
Peabody Coal Sales – J12011	256,737	Contract
Rhino Energy – J08028	81,294	Contract
W. Kentucky Minerals- J10001	<u>78,643</u>	Contract
TOTAL	3,941,957	
	3,922,508	99.4% Contract
	<u>19,449</u>	0.6% Spot
	3,941,957	

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**Response to Commission Staff's First Request for Information
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Case No. 2012-00553

Question No. 28

Witness: Robert M. Conroy

- Q-28. For the period from May 1, 2012 to October 31, 2012, list each vendor from whom natural gas was purchased for generation and the quantity and nature of each purchase (e.g., spot or contract). For the period under review in total, provide the percentage of purchases that were spot versus contract. For contract purchases, state whether the contract has been filed with the Commission. If the response is no, explain why it has not been filed.
- A-28. Please see the attachment for the list of vendors, associated quantities, and nature of natural gas purchases. Please note that purchases from Louisville Gas & Electric are primarily for LG&E owned coal and gas fired generation and purchases from Columbia Gas are for KU owned gas fired generation served by the local distribution company; however, other natural gas purchases are made on an aggregate basis and not by utility ownership percentages of individual generating units. KU and LG&E have joint ownership in certain CT units. Trimble County Units 5 and 6 are owned 71% by KU and 29% by LG&E. Trimble County Units 7, 8, 9, and 10 are owned 63% by KU and 37% by LG&E. Brown Unit 5 and Paddy's Run Unit 13 are owned 47% by KU and 53% by LG&E. Brown Units 6 and 7 are owned 62% by KU and 38% by LG&E. Fuel expenses, not individual natural gas purchase transactions, are allocated to the Companies based on their respective ownership percentages.

Purchases from Louisville Gas & Electric Company's Gas Distribution Business are Special Contract purchases. The Special Contract for Firm Gas Sales and Firm Transportation Service dated September 28, 2007 and effective April 11, 2008, between Louisville Gas and Electric Company, on behalf of its Gas Distribution Business, and Louisville Gas and Electric Company and Kentucky Utilities Company, on behalf of their Electric Generation Business, was originally filed with the Kentucky Public Service Commission in Case No. 2007-00449. All remaining purchases are spot purchases.

Natural Gas Purchases 5/1/2012 - 10/31/2012

<u>Purchase Vendor</u>	<u>Type</u>	<u>MMBTU</u>
Anadarko Trading	Spot	327,128
Associated Energy	Spot	15,166
Atmos Energy	Spot	489,700
BG Energy Merchants	Spot	470,800
BNP Paribas	Spot	349,600
BP Energy	Spot	89,500
Chevron NG	Spot	152,700
CIMA Energy	Spot	54,400
Citigroup Energy	Spot	2,623,082
Columbia Gas of KY	Spot*	23,582
Colonial Energy	Spot	392,536
Conoco-Phillips	Spot	1,046,900
Enbridge	Spot	90,400
Gavilon	Spot	105,600
JLA Energy	Spot	57,300
Laclede Energy	Spot	21,000
Louis Dreyfus Energy	Spot	11,000
MacquarieCook Energy	Spot	477,549
Mieco	Spot	5,000
NJR Energy Services	Spot	474,500
ONEOK Energy	Spot	538,600
Sempra Midstream	Spot	70,100
Sequent Energy	Spot	641,257
Shell Energy NA	Spot	307,113
Southwestern Energy Srvcs	Spot	20,000
Tenaska Market Ventures	Spot	430,600
Total Gas & Power Mktg	Spot	94,000
Twin Eagle	Spot	131,907
Vitol Inc.	Spot	100,600
Tennessee Gas Pipeline	Imbalance Cashout	7,338
Louisville Gas and Electric	Special Contract*	248,676
	Total Voume	9,867,634

*-Local Distribution Company service, with no volume purchase commitments.

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Case No. 2012-00553

Question No. 29

Witness: Robert M. Conroy / Mike Dotson

Q-29. State whether LG&E engages in hedging activities for its coal or natural gas purchases used for generation. If the response is yes, describe the hedging activities in detail.

A-29. LG&E does not engage in financial hedging activities for its coal purchases. LG&E does use physical hedging in contracting for coal. LG&E uses the following guidelines in utilization of coal under contract:

1 year out	90 – 100%
2 years out	80 – 95%
3 years out	40 – 90%
4 years out	30 - 70%
5 years out	10 - 50%
6 years out	0 - 30%

LG&E does not engage in hedging activities for natural gas purchases.

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**Response to Commission Staff's First Request for Information
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Case No. 2012-00553

Question No. 30

Witness: Mike Dotson / Charles R. Schram

Q-30. For each generating station or unit for which a separate coal pile is maintained, state for the period from May 1, 2012 to October 31, 2012 the actual amount of coal burned in tons, actual amount of coal deliveries in tons, total kWh generated, and actual capacity factor at which the plant operated.

A-30. The information requested from May 1, 2012 to October 31, 2012 is shown in the table below:

Plant	Coal Burn (Tons)	Coal Receipts (Tons)	Net MWh	Capacity Factor (Net MWh)/ (period hrs x MW rating)
Cane Run	715,837	709,139	1,442,771	58.0%
Mill Creek	1,824,196	1,789,470	3,935,038	60.5%
Trimble County HS	N/A	1,443,348	N/A	N/A
Trimble County PRB	N/A	292,566	N/A	N/A
Trimble County 1	926,255	N/A	1,990,948	88.3%
Trimble County 2	905,430	N/A	2,065,466	63.9%

- Notes: 1 Trimble County values reflect 100% of the unit. Trimble County 2 is owned by KU (60.75%), LG&E (14.25%), IMPA (12.88%), and IMEA (12.12%).
- 2 The North American Electric Reliability Council Generation Availability Data System defines capacity factor as the value equal to the net MWh produced divided by the product of the hours in the period and the unit rating.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 31

Witness: Mike Dotson

- Q-31. a. During the period from May 1, 2012 to October 31, 2012, have there been any changes to LG&E's written policies and procedures regarding its fuel procurement?
- b. If yes,
- (1) Describe the changes;
 - (2) State the date(s) the changes were made;
 - (3) Explain why the changes were made; and
 - (4) Provide the written policies and procedures as changed.
- c. If no, provide the date when LG&E's current fuel procurement policies and procedures were last changed, when they were last provided to the Commission, and identify the proceeding in which they were provided.
- A-31. a. No changes were made during the period referenced above. However, the Fuel Procurement Policies and Procedures were updated effective March 1, 2013.
- b. (1) The Fuel Procurement Policies and Procedures were updated to reflect changes in the titles of Senior Managers, to add and Authority Limit Matrix, to remove the Statement of Trading, and to add Sarbanes-Oxley definitions
- (2) Changes were made to the Fuel Procurement Policies and Procedures effective March 1, 2013.
 - (3) See b (1) above.
 - (4) Attached is an executed copy of the updated Fuel Procurement Policies and Procedures effective March 1, 2013 and a redline copy noting the changes.
- c. Not applicable.

FUEL PROCUREMENT POLICIES AND PROCEDURES
Louisville Gas and Electric Company
Kentucky Utilities Company

A. Definitions:

1. "Agreement" means a legally binding document, in which one party agrees to sell and the other agrees to buy Fuel or Transportation Services for Fuel, fully executed by both Buyer and Seller.
2. "Authority Limit Matrix" – The Authority Limit Matrix (ALM) is a Company policy to be used in combination with the more detailed policies and procedures, indicating the minimum authority required for specific transactions. Its purpose is to provide an easy accessible source of information with respect to the approval process of LG&E and KU Energy LLC (LKE or the Company).
3. "Award Recommendation" means the Company's internal approval process for the review and approval by Management of a recommended Fuel purchase and/or Transportation Services agreement.
4. "Chief Operating Officer" means the Company's principal officer responsible for business operations.
5. "Company" means Louisville Gas and Electric Company (LG&E) or Kentucky Utilities Company (KU) or both.
6. "Contract" is an Agreement for Fuel supply or Transportation Services with a fixed term typically in excess of one year.
7. "Contract Purchase" means any purchase of Fuel or Transportation Services by the Company where the terms and conditions are incorporated in the Contract, typically more than one year's duration.
8. "Director" means the Company's Director of Corporate Fuels and By-Products.
9. "Department" means the Company's Corporate Fuels and By-Products Department.
10. "Distressed Coal" means a limited amount of coal which may be purchased at a price below the current market price of similar quality coal.
11. "Emergency" means extraordinary conditions affecting Fuel production, transportation, or usage; including, but not limited to strikes, lockouts or other labor problems, embargoes, mining impediments, extreme market conditions and other problems affecting the production or transportation of Fuel, existing and/or forecasted extreme weather conditions, or any other conditions or circumstances that can be reasonably foreseen as impairing the continued supply of Fuel to the Company.
12. "Environmental Standards" mean the legal requirements for compliance with emission levels or other environmental protection requirements applicable to one or more of the Company's generating Units.
13. "Formal Solicitation" means the process of soliciting sealed bids for the supply of Fuel and/or Transportation Services.

FUEL PROCUREMENT POLICIES AND PROCEDURES
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14. "Fuel" means coal, fuel oil, or natural gas purchased by the Company for one of its generating stations.
15. "Informal Bid" means the process of considering unsolicited or solicited oral or written bids for Fuel purchases and/or Transportation Services.
16. "Joint Contract" is any contract that is written to supply Fuel and/or Transportation Services to both LG&E and KU. The allocation of fuel under a Joint Contract should be made pursuant to Section D.8. below.
17. "Purchase Order" is an Agreement for the supply of Fuel and/or Transportation Services with a term of typically one year or less.
18. "Sarbanes-Oxley" means the Sarbanes-Oxley Act of 2002 (also known as the Public Company Accounting Reform and Investor Protection Act).
19. "Spot Purchase" means any purchase of Fuel and/or Transportation Services by the Company where the terms and conditions are incorporated into a Purchase Order or Contract with a term typically of one year or less.
20. "Station" means one of the Company's generating stations.
21. "Supplier" means the seller who is a party to an Agreement and is obligated to comply with the Agreement's terms.
22. "Transportation Services" means the mode(s) of moving fuel from the point of purchase to the receiving station, including all related costs and activities (owned/leased equipment, maintenance and repair, barge fleet services, blending, transloading, etc).
23. "Unit" means a generating unit at a Station.
24. "Vice President – Energy Supply and Analysis" means the Company's principal officer to whom the Director of Corporate Fuels and By-Products reports and who in turn reports to the Chief Operating Officer.

B. Fuel Procurement Policies:

The Company's Fuel Procurement Policies and Procedures define the process to obtain an adequate and reliable supply of Fuel of sufficient quality that yields the lowest possible cost of electrical energy delivered to the Unit bus bar, consistent with the Company's obligation to provide adequate and reliable service to its customers, to meet operational and Environmental Standards, and to meet any other applicable legal requirements. The Company will use its best efforts to secure its Fuel supply at competitive prices through the use of the Formal Solicitation, Informal Bid, and negotiation process as described in this document. The awarding of Contracts and Purchase Orders will comply with internal business controls including the Authority Limit Matrices, Sarbanes Oxley compliance and Internal Audit Services' recommendations. The Company has detailed internal control procedures covering Contract Management,

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Receipt of Goods and Payments (including weighing, sampling, and invoice payment), and Coal Inventory (includes Stockpile Surveys).

Implementation of this policy is of highest priority to the Company. The Director of Corporate Fuels and By-Products will review the Company's Fuel Procurement Policies and Procedures annually and update the policies as appropriate. The Corporate Fuels and By-Products Department shall be organized and staffed, and Fuel procurement procedures and administration shall be conducted, in an efficient and practical manner consistent with this policy. Fuel shall be purchased at competitive prices considering all material factors, including, but not limited to, quantity needed to maintain an adequate inventory, quality required to meet operating characteristics and Environmental Standards, resulting bus bar energy costs, reliability of the Supplier, diversity of Suppliers, diversity of fuel transportation modes, and meeting Emergency or other unusual circumstances affecting market conditions.

C. Organization:

1. Department Structure. The Department shall be organized and staffed to effectively administer the Company's Fuel procurement function.
2. Organizational Responsibility. The Director is responsible for the operations of the Corporate Fuels and By-Products Department and reports to the Vice President – Energy Supply and Analysis who is responsible for the Energy Marketing and Fuel Procurement functions. The Vice President - Energy Supply and Analysis reports to the Chief Operating Officer who has the final responsibility for Fuel procurement. Other Departments may be utilized by the Corporate Fuels and By-Products Department to the extent the Director, Vice President – Energy Supply and Analysis, and/or Chief Operating Officer consider advisable in the execution of the functions of the Department.
3. Approval Authority (Award Recommendation). An Award Recommendation will be prepared for all Agreements for the purchase of Fuel and Transportation Services. The Award Recommendation will be signed (as a minimum) by the Department's Fuel Contract Administrator, Manager LG&E and KU Fuels, Director of Corporate Fuels and By-Products, Plant Manager(s) of the Plant(s) that is (are) to receive the Fuel and/or Transportation Services, and the Vice President – Power Production. Additional signatures may be required in accordance with the following Authority Limit Matrices:

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Position	Maximum Term	Maximum Tenor	Maximum Notional \$ Amount
Manager LG&E and KU Fuels	1 year	2 years	\$10,000,000
Director, Corporate Fuels and By - Products	1 year	2 years	\$10,000,000
Vice President, Energy Supply and Analysis	3 years	4 years	\$20,000,000
Chief Operating Officer	5 years	6 years	\$25,000,000
LG&E and KU Energy LLC, Chief Financial Officer and Chief Executive Officer			\$180,000,000
LG&E and KU Energy LLC Investment Committee; LG&E and KU Energy LLC Board			Over \$180,000,000

4. Reports. The Director will instruct the Department to prepare, maintain and distribute various reports to management and others as deemed necessary for business operations and regulatory requirements.

5. Records. The Department shall maintain the following records:
 - a. Open Files. The Department shall maintain within the Department's office area, the following files for at least one year or longer as the Contract term or other conditions warrant:
 - (1) For each current Contract Supplier, Spot Purchase Supplier, or Transportation Services Provider, the files will contain:
 - (a) Contract documents, amendments, Purchase Orders and escalation documentation;
 - (b) General correspondence;
 - (c) Invoices and invoice verification data;
 - (d) Delivery records and quality analyses data;
 - (e) Field inspection reports and other data.
 - (2) A record of transportation units (railroad cars, barges, etc.) owned or leased by the Company.
 - (3) A list containing current Suppliers and known potential Suppliers of Fuel.
 - b. Closed Files. The Department shall maintain its closed files in accordance with the Company's record retention plan.

FUEL PROCUREMENT POLICIES AND PROCEDURES
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6. General Administrative Duties.

The Department shall subscribe to trade and industry publications and reports of governmental agencies concerning Fuel, transportation services, market information and prices. The Department shall use its best efforts to keep current on Fuel market conditions, prices and availability, and other developments relating to Fuel procurement.

D. Fuel Supply Procedures:

1. Projections. In conjunction with other departments of the Company, the Department shall prepare an annual projection of Fuel usage and delivered cost for each Station for the number of years required in the Company's planning process.
2. Contract/Spot Mix. Subject to the approvals as set forth herein, the Department shall recommend whether a Contract Purchase is advisable, considering the following factors: (a) the availability of adequate supplies from qualified Suppliers, (b) the need to have an adequate inventory committed for an existing Unit, changes to an existing Unit, or a planned new Unit, (c) the desire to maintain flexibility to market conditions and other factors affecting price and availability, (d) existing and anticipated Environmental Standards, and (e) such other factors as may reasonably affect the implementation of the Company's Fuel Procurement Policy.
3. Current Requirements. The Department shall continually review and analyze the data available to the Department in order to purchase Fuel in a timely manner to meet the requirements of the Company.
4. Supplier Qualifications. The Company shall select potential suppliers on the basis of the current supplier list, performance on past and current Fuel Contracts, market intelligence from industry research, and general knowledge of the industry. No potential qualified supplier shall be preferred or discriminated against because of race, religion, color, sex, age or marital status of the supplier or any of its representatives.

The supplier list is periodically reviewed by the Department to eliminate any suppliers that are known to have gone out of business and to also add any new or existing suppliers that were previously not on the supplier list. The Department not only reviews the membership lists of several coal associations (for example the Lexington Coal Exchange, the North Carolina Coal Institute, the American Coal Council, the National Mining Association, etc.) for new suppliers to add to the supplier list, but also adds new suppliers based upon field inspection visits. If a supplier is identified that is not on the current supplier list, the Department will add the supplier to the list for the next RFQ. Suppliers can be added to the supplier list either by request of the supplier or by the Department.

A notice of a Request for Quotation (RFQ) is published in several Coal Industry Newsletters. The RFQ is initially sent to the suppliers on the current supplier list and posted on the Company website. If a supplier that has not received the RFQ calls and asks to be put on the Department's supplier list they are automatically added to that list and a copy of the RFQ is sent to that supplier. During the evaluation of the bids, if a new

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supplier has submitted a bid that is competitive, a new supplier evaluation will be performed to determine the capability of the supplier.

The supplier evaluation is done to determine if a supplier has the ability to deliver the quantity and quality of coal bid at the offered price. An actual site visit may be conducted. The information requested is based upon:

- The volume and term requested in the RFQ
- Past experience the Company has with the supplier
- The size and financial stability of the supplier
- Past experience the Company has with the type coal being offered
- Previous knowledge the Company has concerning the source operation (possibly under a different source name)

The data requested may include coal reserve data such as property maps and drill logs, mining plans, listing of all production equipment, coal preparation facilities such as coal preparation plants, sampling and analysis capabilities on site, mine staffing and organization, past production records, and status of permits. In addition, financial data will be requested and a supplier credit assessment will be performed in accordance with company policy. If all operational information, financial data, and other results from the site visit evaluation are acceptable, the supplier is approved.

5. Solicitations.

- a. Formal Solicitations. The Company shall purchase its Fuel through sealed-bid solicitations. However, the Company reserves the right to request or accept *Informal Bids for Fuel* purchases as described in Section 5.b., when in its judgment, market conditions or plant conditions provide an opportunity to obtain Fuel more advantageously or more quickly than through the formal sealed-bid procedures. When the Company foregoes the Formal Solicitation process in favor of the Informal Bid procedure (Section 5.b. below), documentation shall be included in the resulting Contract or Purchase Order file describing the conditions.

A Request for Quotation ("RFQ") number will be assigned to each quotation package. The quotation must be returned to the company address as indicated on or before the due date and time, noting on the mailing label the RFQ number. The RFQ number will identify the quotation and ensure the quotation is opened according to the Company's Fuel Procurement Policies and Procedures.

The RFQ package shall contain the following minimum requirements:

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- Instructions to Suppliers on the submission of an RFQ, including time and date the bids are due, correct labeling of bid envelope, signatures required, etc.
- Scope of supply Agreement
- Listing of typical information required from Supplier
 - Quantity and quality of coal being offered
 - Bid Price
 - Length of purchase
 - Transportation capabilities
 - Mining capabilities
- Company terms and conditions

RFQ's shall be opened on or after the established due date and time within the presence of one or more witnesses from another Department. A numbered log shall be kept for logging in the receipt of each sealed envelope. This numbered log shall be signed by the witnesses noting the bids were all sealed prior to opening and were received prior to the due date and time. Those bids received after the designated time will be returned unopened to the bidder, unless the Director waives this provision.

Upon opening the sealed envelopes, each bid shall be given the log number assigned to it and initialed by the witnesses attending the bid opening.

All candidates shall be given the same opportunity and time frame to respond to the RFQ. Information clarifications shall be shared with all candidates. A copy of the RFQ and the original of the Suppliers' bid documents with evidence of the witness signatures shall be maintained within the Department.

The Department's Fuel Administrator is responsible for entering the bid data into the bid evaluation spreadsheet. The spreadsheet contains data fields such as:

Supplier's name (from bid)

Mine name and location (from bid)

Fuel loading point, river milepost or rail loadout (from bid)

Annual price in dollars per ton and cents/MMBtu (from bid)

Transportation cost (assigned by the Fuel Administrator)

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Calculated total delivered cost (calculated by the Fuel Administrator)

Fuel technical specifications, such as:

BTU per pound

Sulfur content

Moisture content

Ash content

Chlorine content

Size

Arsenic content

Hardgrove Index

Other technical specifications as appropriate

The bids are secured in the Fuels Procurement area.

The Department's Manager LG&E and KU Fuels will independently verify that all bid data is correctly entered into the bid evaluation spreadsheet.

- b. Informal Bids. When, in the Company's judgment, Fuel can be obtained more advantageously or quickly for a particular plant through the Informal Bid procedures, the Department may solicit offers or accept unsolicited offers from Suppliers by telephone, electronic mail, facsimile or otherwise. Although these bids are typically used for Spot Purchases, circumstances may arise that would justify the recommendation of a long-term Contract from an Informal Bid process. The award recommendation for all such Informal Bid purchases shall include the Department's Fuel Sole Source Award Recommendation form with appropriate signatures.
6. Contract Awards. The Department shall review and analyze each Contract offer. The evaluation will include, but not necessarily be limited to, the items required by the Company to satisfy operational, Environmental Standards and economic criteria. Based upon the bid evaluation spreadsheet, the Department will evaluate and rank all quotations received by total delivered cost and lowest evaluated cost of electrical energy delivered to the Unit busbar. Other factors may be considered, including but not limited to, ranking reports generated by a software model that evaluates the impact of different coal qualities on Unit bus bar costs, supplier credit assessment, supplier past performance, diversity of region of supply, diversity of transportation mode, and diversity of suppliers. From this ranking, a short list of bidders may be selected from which the Department intends to conduct further discussions and/or negotiations. The short list may include unsolicited offers. The size of the short list will be determined solely at the

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Department's discretion. The Department may engage in preliminary negotiations with Suppliers on the short list to determine which offers warrant further consideration. The objective of the negotiations shall be to reach Agreements with Suppliers that provide the Company with favorable terms and conditions, the lowest possible cost of electrical energy delivered to the Unit bus bar and reliable supply consistent with other qualifiers related to supplier reliability, existing and future Environmental Standards, transportation options, etc. A team may be formed to conduct negotiations with bidders on the short list. Generally, this team will consist of two or more representatives from the Department. The terms and conditions outlined in the quotation submitted to the Department by the bidder shall be the basis for beginning negotiations with each potential Supplier. A representative from the Legal Department shall review documents regarding terms and conditions.

The Department may in some instances perform investigations of the bidders to determine their ability to supply Fuel under the terms and conditions outlined in their proposals. These investigations may include site visits, mine operation audits, audits of financial information, test shipments, or other similar actions intended to determine the bidder's qualification as a Supplier. The Department shall verify the adequacy of the proposed source of supply for coal quantity and quality.

The recommended Supplier(s) shall be selected by the negotiating team based upon the evaluation criteria and the results of the negotiations. The Department's Fuel Administrator will prepare the contract Award Recommendation for approval as detailed in Section C.3. This recommendation will document the selection criteria and pertinent factors, and in circumstances where more than one company is selected, the recommendation shall describe the tonnage requirements and other responsibilities of each of the other recommended Suppliers.

7. Spot Purchases. Spot purchases may be made by the Company subject to the limit of authority stated in section C.3. In instances where there exists an opportunity to purchase Distressed Coal or other coal from an Informal Bid, the Manager LG&E and KU Fuels may recommend the purchase of such coal to the Director without soliciting proposals through the Formal Solicitation process. The Award Recommendation for all such Fuel purchases shall include the Department's Fuel Sole Source Award Recommendation form with appropriate signatures.
8. Joint Contracts. Joint Contracts shall be made at the discretion of the Department in order to capture economic benefit from the combined purchasing power of LG&E and KU. Such discretion will be based upon the Company's operating requirements, Environmental Standards, inventory levels, and the ability of the Company's power plants to burn similar fuels.
9. Documentation. Contracts and Purchase Orders shall be signed by the Supplier and the Company.

The following documents must be maintained:

- The final list of bidders
- A copy of the bid package

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- The bidders' responses with witnesses' signatures
- The bid evaluation summary

E. Fuel Supply Agreement Administration:

1. Compliance. The Department shall review and analyze daily business and operational reports to properly administer all Fuel and Transportation Services Agreements. Coal weighing and sampling is conducted at each individual power plant site. Coal weights are measured in accordance with industry-accepted methods. Coal sampling and analysis is performed in accordance with Generation Services' System Laboratory procedures. These procedures have been developed in accordance with ASTM standards and cover coal sampling, coal sample preparation, coal sample identification, handling and shipping, and coal analysis on a parameter-by-parameter basis. Coal quantity and quality are reported to the Department through Aligné (the fuels management system).
2. Amendments. A Contract/Purchase Order shall not be materially amended except after analysis by the Department, recommendation of the Director, review by the Legal Department and in accordance with the Authority Matrices in C.3.
3. Contract Administration. The Department shall maintain the necessary data to administer the Contracts. Every Supplier's request for a change outside the existing terms, conditions, or prices must be written and supported by adequate data in conformity with the Contract. Each request shall be analyzed by the Department against the Contract provisions, and reported with recommendations to the Director. If the parties do not come to agreement on the new terms, negotiations between the Supplier and Company, as dictated by the Contract's terms, shall be the primary method of resolving the issue.
4. Supplier's Relief. Any Supplier's request or claim for relief from compliance with any provision of the Contract's terms such as Force Majeure conditions, quality specifications, approval of alternate sources, etc, must be in writing with an adequate description of conditions warranting nonperformance. Each request or claim shall be reviewed by the Director and the Company's Legal Department.
5. Inspections. The Director shall cause inspections of mining and other facilities of a Contract coal Supplier or other Fuel supply facilities as part of Contract Administration.
6. Emission Allowance Management. All allowances offered in connection with supplying fuel for either LG&E or KU generating Units will be managed in accordance with the Company's environmental, utility accounting, and rates and regulatory policies and procedures. The appropriate way to accommodate any additional allowances (offered in conjunction with supplying fuel) will be dependent on the quantity and vintage of the allowances offered.

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F. Fuel Supply Agreement Enforcement:

1. General Enforcement Policy. Supplier obligations under Fuel supply Agreements shall be enforced by the Company to ensure Supplier compliance with the Company's overall procurement policy and to provide for the continuing supply of Fuel.
2. Department Responsibility. Whenever it is determined that a shipment does not meet the Fuel Supply Agreement terms or a Supplier is not complying with the Fuel Supply Agreement terms, the Department shall inform the Supplier and direct that subsequent shipments be in compliance.

G. Legal Assistance:

The Department shall have access to, and may receive advice from, the Legal Department on all matters relating to Fuel procurement, administration and enforcement.

H. Inventory Levels:

The Company has an obligation to ensure the availability of continuous reliable service to its customers. Decisions affecting Fuel inventory shall be responsive to this obligation.

The Company strives to maintain an adequate inventory to ensure service reliability while allowing for enough flexibility so inventory levels can be responsive to known and anticipated changes in conditions and minimize the risks of unforeseen conditions. Inventory ranges are established based upon forecasted plant utilization, deliverability risks related to availability of truck, rail and barge capacity and associated transportation infrastructure, fuel quality requirements of the plants, the position of the plant in the dispatch order, risk of market supply-demand imbalance, and the ability to conduct quick spot market transactions. The general level of inventory is adjusted to meet anticipated conditions (i.e. summer/winter peak load, river lock outages, Unit outages, fuel unloading system outages, etc).

Coal inventories are reported monthly in the Department's Monthly Fuels Management Report. Regular inventory reports are made to senior management and inventory is reviewed by the Enterprise Risk Management Committee to ensure compliance with internal policies.

I. Emergency Procurement:

Any one or more of the procedures described herein may be waived by the Vice President - Energy Supply and Analysis, whenever, Fuel must be purchased due to extraordinary conditions such as strikes, lockouts or other labor problems affecting Fuel production or transportation, embargoes, mining or other problems affecting production

FUEL PROCUREMENT POLICIES AND PROCEDURES
Louisville Gas and Electric Company
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or transportation, existing and/or forecast extreme weather conditions, or any other conditions or circumstances that can be reasonably foreseen as impairing the continued supply of Fuel to the Company. When such a purchase is made, documentation of circumstances will be included in the Contract or Purchase Order file.

J. Transportation Services Contracts:

Transportation Services bids shall be requested and Contracts negotiated whenever appropriate. A tariff may be used in lieu of a Contract Agreement if conditions warrant. Consideration shall generally be given to the following factors when considering the need or desirability to make a Transportation Services Agreement:

- plant requirements;
- the locations of potential Fuel Suppliers;
- the most desirable transportation modes available;
- coal unloading and handling system constraints;
- existing transportation routes and transfer points between Suppliers and Company generating Stations;
- desirability of maintaining flexibility with different modes of transportation;
- economics;
- other factors which may affect the delivery of Fuel to the Company's generating Stations.

The process of selecting and contracting for Transportation Services will vary with the mode of transportation being sought. For barge and truck deliveries, the Department will generally use the Company's accepted competitive bidding procedures. In instances where only one rail carrier may serve a plant, direct negotiations with the rail carriers serving a particular coal source may be initiated.

The selections of a transportation Supplier will generally be based upon, but not necessarily limited to, cost, reliability, coal unloading and handling system constraints, and other factors. Transportation Service Agreements must be in writing and signed by all parties, unless provided under an approved tariff. The approval procedures set forth in Section C.3 shall be used for the approval of all Transportation Contracts.

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K. Other Fuels/Bulk Commodities/Service Contracts:

Bulk Commodity Supplies (including, but not limited to scrubber reagent, ammonia, hydrated lime, Trona and activated carbon) to be used by the Company's generating Stations and laboratory services, weighing and sampling services, stockpile surveys, governmental imposition claims assessment and coal pricing information services shall be requested and Contracts negotiated by Fuels, whenever appropriate. Associated transportation services related to Section J. such as railcar leases, railcar maintenance and repair, barge maintenance and repair, barge fleetling services, coal blending, and coal transloading services shall also be requested and Contracts negotiated by Fuels whenever appropriate. All of these Bulk Commodity/Service Contracts will abide by the Approval Authority Limits as set forth in Section C.3. above.

Natural Gas. Natural gas is procured on an "as-needed" basis due to the unpredictability of use. The need for natural gas fired generation is determined by many real-time variables; including, but not limited to, weather, customer demand, generation availability, transmission availability, and market prices. Purchases of natural gas are typically conducted in the day-ahead or intra-day spot market. The Power Supply Department is responsible for the purchase of natural gas and associated pipeline transportation.

Fuel Oil. Fuel oil is procured on an "as-needed" basis due to the infrequency of use of this Fuel and the nature of the oil market. The responsibility for fuel oil procurement varies. When the need for fuel oil arises, the Department and/or the Power Plants will solicit vendors for offers. Orders are assigned on the basis of lowest delivered cost and the ability to fill the order. Solicitation results are documented in the Department for purchases made by the Department.

L. Affiliate Transactions:

Transactions and relationships between the Company and its unregulated affiliates are governed by four governmental agencies: the Kentucky Public Service Commission, the Federal Energy Regulatory Commission, the Securities and Exchange Commission, and as regards Kentucky Utilities Company, the Virginia State Commission.

The Company may purchase coal from an affiliate at the lesser of cost or market, if such a transfer is reasonably required by the Company to meet an Emergency and the Company believes in good faith that, under the circumstances, the transaction will be to the advantage of the Company. At the time of the affiliate transaction, the Company will document through the award recommendation process, the pricing basis and the justification for the affiliate transaction. The Company shall report any such purchase in its next recurrent report due to the Commission (Form A or Form B filing, or their successor(s)). All such affiliate transactions must as a minimum, meet the requirements of the Affiliate Transaction Overview, dated May 26, 2003, including the requirements of Kentucky Revised Statutes Chapter 278, Kentucky Public Service Commission Sections 2201 through 2219; the Securities and Exchange Commission, Title 17 – Commodity and Security Rules, Part 250 – General Rules and Regulations; and Virginia State

FUEL PROCUREMENT POLICIES AND PROCEDURES
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Corporation Commission, Code of Virginia Title 56 – Chapter 4 and any other applicable affiliate transaction rules.

M. Ethics and Conduct:

The Company recognizes the importance of following the Company's Standards of Integrity to guide the conduct of the Corporate Fuels and By-Products Department in the performance of its duties and responsibilities:

The Department shall endeavor to serve the best interests of the Company and its customers in the performance of the Department's duties and responsibilities.

Fuels staff shall adhere to the ethical standards and policies of the Company.

Each employee involved with the procurement of Fuel will be required to promptly disclose, in writing, any actual or potential conflicts of interest to their supervisor and the LG&E/KU Compliance Department.

N. Penalties For Noncompliance

All Fuels employees are required to familiarize themselves with the Fuels Policies and Procedures and acknowledge through a process established by management, that they have received, read, understand, accept, and will act in accordance with this document. Failure to comply with any term of the policy may result in disciplinary action, up to and including discharge.

Key Contact: Manager - Fuels Accounting and Administration

References: Authority Limit Matrix, Records Management and Retention Policy, Standards of Integrity, Reliability Standards, and Affiliate Restriction Regulations

Administrative Responsibility: Director, Corporate Fuels and By- Products

FUEL PROCUREMENT POLICIES AND PROCEDURES
Louisville Gas and Electric Company
Kentucky Utilities Company

Originally issued at Louisville, Kentucky, the 10th day of February, 2003.

Revised effective March 1, 2013.

Louisville Gas and Electric Company

Kentucky Utilities Company

By  _____

Paul Thompson

Chief Operating Officer

By  _____

David Sinclair

Vice President – Energy Supply and Analysis

FUEL PROCUREMENT POLICIES AND PROCEDURES
Louisville Gas and Electric Company
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A. Definitions:

1. "Agreement" means a legally binding document, in which one party agrees to sell and the other agrees to buy Fuel or Transportation Services for Fuel, fully executed by both Buyer and Seller.

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2. "Authority Limit Matrix" – The Authority Limit Matrix (ALM) is a Company policy to be used in combination with the more detailed policies and procedures, indicating the minimum authority required for specific transactions. Its purpose is to provide an easy accessible source of information with respect to the approval process of LG&E and KU Energy LLC (LKE or the Company).

3. "Award Recommendation" means the Company's internal approval process for the review and approval by Management of a recommended Fuel purchase and/or Transportation Services agreement.

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4. "Chief Operating Officer" means the Company's principal officer responsible for business operations.

5. "Company" means Louisville Gas and Electric Company (LG&E) or Kentucky Utilities Company (KU) or both.

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6. "Contract" is an Agreement for Fuel supply or Transportation Services with a fixed term typically in excess of one year.

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7. "Contract Purchase" means any purchase of Fuel or Transportation Services by the Company where the terms and conditions are incorporated in the Contract, typically more than one year's duration.

8. "Director" means the Company's Director of Corporate Fuels and By-Products.

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9. "Department" means the Company's Corporate Fuels and By-Products Department.

10. "Distressed Coal" means a limited amount of coal which may be purchased at a price below the current market price of similar quality coal.

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11. "Emergency" means extraordinary conditions affecting Fuel production, transportation, or usage; including, but not limited to strikes, lockouts or other labor problems, embargoes, mining impediments, extreme market conditions and other problems affecting the production or transportation of Fuel, existing and/or forecasted extreme weather conditions, or any other conditions or circumstances that can be reasonably foreseen as impairing the continued supply of Fuel to the Company.

12. "Environmental Standards" mean the legal requirements for compliance with emission levels or other environmental protection requirements applicable to one or more of the Company's generating Units.

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13. "Formal Solicitation" means the process of soliciting sealed bids for the supply of Fuel and/or Transportation Services.

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14. "Fuel" means coal, fuel oil, or natural gas purchased by the Company for one of its generating stations.
15. "Informal Bid" means the process of considering unsolicited or solicited oral or written bids for Fuel purchases and/or Transportation Services.
16. "Joint Contract" is any contract that is written to supply Fuel and/or Transportation Services to both LG&E and KU. The allocation of fuel under a Joint Contract should be made pursuant to Section D.8. below.
17. "Purchase Order" is an Agreement for the supply of Fuel and/or Transportation Services with a term of typically one year or less.
18. "Sarbanes-Oxley" means the Sarbanes-Oxley Act of 2002 (also known as the Public Company Accounting Reform and Investor Protection Act).
19. "Spot Purchase" means any purchase of Fuel and/or Transportation Services by the Company where the terms and conditions are incorporated into a Purchase Order or Contract with a term typically of one year or less.
20. "Station" means one of the Company's generating stations.
21. "Supplier" means the seller who is a party to an Agreement and is obligated to comply with the Agreement's terms.
22. "Transportation Services" means the mode(s) of moving fuel from the point of purchase to the receiving station, including all related costs and activities (owned/leased equipment, maintenance and repair, barge fleetling services, blending, transloading, etc).
23. "Unit" means a generating unit at a Station.
24. "Vice President – Energy Supply and Analysis" means the Company's principal officer to whom the Director of Corporate Fuels and By-Products reports and who in turn reports to the Chief Operating Officer.

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B. Fuel Procurement Policies:

The Company's Fuel Procurement Policies and Procedures define the process to obtain an adequate and reliable supply of Fuel of sufficient quality that yields the lowest possible cost of electrical energy delivered to the Unit bus bar, consistent with the Company's obligation to provide adequate and reliable service to its customers, to meet operational and Environmental Standards, and to meet any other applicable legal requirements. The Company will use its best efforts to secure its Fuel supply at competitive prices through the use of the Formal Solicitation, Informal Bid, and negotiation process as described in this document. The awarding of Contracts and Purchase Orders will comply with internal business controls including the Authority Limit Matrices, Sarbanes Oxley compliance and Internal Audit Services' recommendations. The Company has detailed internal control procedures covering Contract Management,

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Receipt of Goods and Payments (including weighing, sampling, and invoice payment), and Coal Inventory (includes Stockpile Surveys).

- Deleted:** Supplier Assessment and Rating,
- Deleted:** Coal
- Deleted:** Complaint Management,
- Deleted:** Management, and

Implementation of this policy is of highest priority to the Company. The Director of Corporate Fuels and By-Products will review the Company's Fuel Procurement Policies and Procedures annually and update the policies as appropriate. The Corporate Fuels and By-Products Department shall be organized and staffed, and Fuel procurement procedures and administration shall be conducted, in an efficient and practical manner consistent with this policy. Fuel shall be purchased at competitive prices considering all material factors, including, but not limited to, quantity needed to maintain an adequate inventory, quality required to meet operating characteristics and Environmental Standards, resulting bus bar energy costs, reliability of the Supplier, diversity of Suppliers, diversity of fuel transportation modes, and meeting Emergency or other unusual circumstances affecting market conditions.

C. Organization:

1. Department Structure. The Department shall be organized and staffed to effectively administer the Company's Fuel procurement function.

2. Organizational Responsibility. The Director is responsible for the operations of the Corporate Fuels and By-Products Department and reports to the Vice President – Energy Supply and Analysis who is responsible for the Energy Marketing and Fuel Procurement functions. The Vice President - Energy Supply and Analysis reports to the Chief Operating Officer who has the final responsibility for Fuel procurement. Other Departments may be utilized by the Corporate Fuels and By-Products Department to the extent the Director, Vice President – Energy Supply and Analysis, and/or Chief Operating Officer consider advisable in the execution of the functions of the Department.

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3. Approval Authority (Award Recommendation). An Award Recommendation will be prepared for all Agreements for the purchase of Fuel and Transportation Services. The Award Recommendation will be signed (as a minimum) by the Department's Fuel Contract Administrator, Manager LG&E and KU Fuels, Director of Corporate Fuels and By-Products, Plant Manager(s) of the Plant(s) that is (are) to receive the Fuel and/or Transportation Services, and the Vice President – Power Production. Additional signatures may be required in accordance with the following Authority Limit Matrices:

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Position	Maximum Term	Maximum Tenor	Maximum Notional \$ Amount
Manager LG&E and KU Fuels	1 year	2 years	\$10,000,000
Director, Corporate Fuels and By - Products	1 year	2 years	\$10,000,000
Vice President, Energy Supply and Analysis	3 years	4 years	\$20,000,000
Chief Operating Officer	5 years	6 years	\$25,000,000
LG&E and KU Energy LLC, Chief Financial Officer and Chief Executive Officer			\$180,000,000
LG&E and KU Energy LLC Investment Committee; LG&E and KU Energy LLC Board			Over \$180,000,000

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- Deleted: President, Energy Services
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4. Reports. The Director will instruct the Department to prepare, maintain and distribute various reports to management and others as deemed necessary for business operations and regulatory requirements.

5. Records. The Department shall maintain the following records:
 - a. Open Files. The Department shall maintain within the Department's office area, the following files for at least one year or longer as the Contract term or other conditions warrant:
 - (1) For each current Contract Supplier, Spot Purchase Supplier, or Transportation Services Provider, the files will contain:
 - (a) Contract documents, amendments, Purchase Orders and escalation documentation;
 - (b) General correspondence;
 - (c) Invoices and invoice verification data;
 - (d) Delivery records and quality analyses data;
 - (e) Field inspection reports and other data.
 - (2) A record of transportation units (railroad cars, barges, etc.) owned or leased by the Company.
 - (3) A list containing current Suppliers and known potential Suppliers of Fuel.
 - b. Closed Files. The Department shall maintain its closed files in accordance with the Company's record retention plan.

6. General Administrative Duties.

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The Department shall subscribe to trade and industry publications and reports of governmental agencies concerning Fuel, transportation services, market information and prices. The Department shall use its best efforts to keep current on Fuel market conditions, prices and availability, and other developments relating to Fuel procurement.

D. Fuel Supply Procedures:

1. Projections. In conjunction with other departments of the Company, the Department shall prepare an annual projection of Fuel usage and delivered cost for each Station for the number of years required in the Company's planning process.
2. Contract/Spot Mix. Subject to the approvals as set forth herein, the Department shall recommend whether a Contract Purchase is advisable, considering the following factors: (a) the availability of adequate supplies from qualified Suppliers, (b) the need to have an adequate inventory committed for an existing Unit, changes to an existing Unit, or a planned new Unit, (c) the desire to maintain flexibility to market conditions and other factors affecting price and availability, (d) existing and anticipated Environmental Standards, and (e) such other factors as may reasonably affect the implementation of the Company's Fuel Procurement Policy.
3. Current Requirements. The Department shall continually review and analyze the data available to the Department in order to purchase Fuel in a timely manner to meet the requirements of the Company.
4. Supplier Qualifications. The Company shall select potential suppliers on the basis of the current supplier list, performance on past and current Fuel Contracts, market intelligence from industry research, and general knowledge of the industry. No potential qualified supplier shall be preferred or discriminated against because of race, religion, color, sex, age or marital status of the supplier or any of its representatives.

The supplier list is periodically reviewed by the Department to eliminate any suppliers that are known to have gone out of business and to also add any new or existing suppliers that were previously not on the supplier list. The Department not only reviews the membership lists of several coal associations (for example the Lexington Coal Exchange, the North Carolina Coal Institute, the American Coal Council, the National Mining Association, etc.) for new suppliers to add to the supplier list, but also adds new suppliers based upon field inspection visits. If a supplier is identified that is not on the current supplier list, the Department will add the supplier to the list for the next RFQ. Suppliers can be added to the supplier list either by request of the supplier or by the Department.

A notice of a Request for Quotation (RFQ) is published in several Coal Industry Newsletters. The RFQ is initially sent to the suppliers on the current supplier list and posted on the Company website. If a supplier that has not received the RFQ calls and asks to be put on the Department's supplier list they are automatically added to that list and a copy of the RFQ is sent to that supplier. During the evaluation of the bids, if a new supplier has submitted a bid that is competitive, a new supplier evaluation will be performed to determine the capability of the supplier.

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The supplier evaluation is done to determine if a supplier has the ability to deliver the quantity and quality of coal bid at the offered price. An actual site visit may be conducted. The information requested is based upon:

- The volume and term requested in the RFQ
- Past experience the Company has with the supplier
- The size and financial stability of the supplier
- Past experience the Company has with the type coal being offered
- *Previous knowledge the Company has concerning the source operation (possibly under a different source name)*

The data requested may include coal reserve data such as property maps and drill logs, mining plans, listing of all production equipment, coal preparation facilities such as coal preparation plants, *sampling and analysis capabilities on site, mine staffing and organization, past production records, and status of permits.* In addition, financial data will be requested and a supplier credit assessment will be performed in accordance with company policy. If all operational information, financial data, and other results from the site visit evaluation are acceptable, the supplier is approved.

5. Solicitations.

- a. Formal Solicitations. The Company shall purchase its Fuel through sealed-bid solicitations. However, the Company reserves the right to request or accept Informal Bids for Fuel purchases as described in Section 5.b., when in its judgment, market conditions or plant conditions provide an opportunity to obtain Fuel more advantageously or more quickly than through the formal sealed-bid procedures. When the Company foregoes the Formal Solicitation process in favor of the Informal Bid procedure (Section 5.b. below), documentation shall be included in the resulting Contract or Purchase Order file describing the conditions.

A Request for Quotation ("RFQ") number will be assigned to each quotation package. The quotation must be returned to the company address as indicated on or before the due date and time, noting on the mailing label the RFQ number. The RFQ number will identify the quotation and ensure the quotation is opened according to the Company's Fuel Procurement Policies and Procedures.

The RFQ package shall contain the following minimum requirements:

- Instructions to Suppliers on the submission of an RFQ, including time and date the bids are due, correct labeling of bid envelope, signatures required, etc.
- Scope of supply Agreement

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- Listing of typical information required from Supplier

Quantity and quality of coal being offered

Bid Price

Length of purchase

Transportation capabilities

Mining capabilities

- Company terms and conditions

RFQ's shall be opened on or after the established due date and time within the presence of one or more witnesses from another Department. A numbered log shall be kept for logging in the receipt of each sealed envelope. This numbered log shall be signed by the witnesses noting the bids were all sealed prior to opening and were received prior to the due date and time. Those bids received after the designated time will be returned unopened to the bidder, unless the Director waives this provision.

Upon opening the sealed envelopes, each bid shall be given the log number assigned to it and initialed by the witnesses attending the bid opening.

All candidates shall be given the same opportunity and time frame to respond to the RFQ. Information clarifications shall be shared with all candidates. A copy of the RFQ and the original of the Suppliers' bid documents with evidence of the witness signatures shall be maintained within the Department.

The Department's Fuel Administrator is responsible for entering the bid data into the bid evaluation spreadsheet. The spreadsheet contains data fields such as:

- Supplier's name (from bid)
- Mine name and location (from bid)
- Fuel loading point, river milepost or rail loadout (from bid)
- Annual price in dollars per ton and cents/MMBtu (from bid)
- Transportation cost (assigned by the Fuel Administrator)
- Calculated total delivered cost (calculated by the Fuel Administrator)
- Fuel technical specifications, such as:
 - BTU per pound

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Sulfur content

Moisture content

Ash content

Chlorine content

Size

Arsenic content

Hardgrove Index

Other technical specifications as appropriate

The bids are secured in the Fuels Procurement area.

The Department's Manager LG&E and KU Fuels will independently verify that all bid data is correctly entered into the bid evaluation spreadsheet.

- b. Informal Bids. When, in the Company's judgment, Fuel can be obtained more advantageously or quickly for a particular plant through the Informal Bid procedures, the Department may solicit offers or accept unsolicited offers from Suppliers by telephone, electronic mail, facsimile or otherwise. Although these bids are typically used for Spot Purchases, circumstances may arise that would justify the recommendation of a long-term Contract from an Informal Bid process. The award recommendation for all such Informal Bid purchases shall include the Department's Fuel Sole Source Award Recommendation form with appropriate signatures.
6. Contract Awards. The Department shall review and analyze each Contract offer. The evaluation will include, but not necessarily be limited to, the items required by the Company to satisfy operational, Environmental Standards and economic criteria. Based upon the bid evaluation spreadsheet, the Department will evaluate and rank all quotations received by total delivered cost and lowest evaluated cost of electrical energy delivered to the Unit busbar. Other factors may be considered, including but not limited to, ranking reports generated by a software model that evaluates the impact of different coal qualities on Unit bus bar costs, supplier credit assessment, supplier past performance, diversity of region of supply, diversity of transportation mode, and diversity of suppliers. From this ranking, a short list of bidders may be selected from which the Department intends to conduct further discussions and/or negotiations. The short list may include unsolicited offers. The size of the short list will be determined solely at the Department's discretion. The Department may engage in preliminary negotiations with Suppliers on the short list to determine which offers warrant further consideration. The objective of the negotiations shall be to reach Agreements with Suppliers that provide the Company with favorable terms and conditions, the lowest possible cost of electrical energy delivered to the Unit bus bar and reliable supply consistent with other qualifiers related to supplier reliability, existing and future Environmental Standards, transportation

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options, etc. A team may be formed to conduct negotiations with bidders on the short list. Generally, this team will consist of two or more representatives from the Department. The terms and conditions outlined in the quotation submitted to the Department by the bidder shall be the basis for beginning negotiations with each potential Supplier. A representative from the Legal Department shall review documents regarding terms and conditions.

The Department may in some instances perform investigations of the bidders to determine their ability to supply Fuel under the terms and conditions outlined in their proposals. These investigations may include site visits, mine operation audits, audits of financial information, test shipments, or other similar actions intended to determine the bidder's qualification as a Supplier. The Department shall verify the adequacy of the proposed source of supply for coal quantity and quality.

The recommended Supplier(s) shall be selected by the negotiating team based upon the evaluation criteria and the results of the negotiations. The Department's Fuel Administrator will prepare the contract Award Recommendation for approval as detailed in Section C.3. This recommendation will document the selection criteria and pertinent factors, and in circumstances where more than one company is selected, the recommendation shall describe the tonnage requirements and other responsibilities of each of the other recommended Suppliers.

7. Spot Purchases. Spot purchases may be made by the Company subject to the limit of authority stated in section C.3. In instances where there exists an opportunity to purchase Distressed Coal or other coal from an Informal Bid, the Manager LG&E and KU Fuels may recommend the purchase of such coal to the Director without soliciting proposals through the Formal Solicitation process. The Award Recommendation for all such Fuel purchases shall include the Department's Fuel Sole Source Award Recommendation form with appropriate signatures.
8. Joint Contracts. Joint Contracts shall be made at the discretion of the Department in order to capture economic benefit from the combined purchasing power of LG&E and KU. Such discretion will be based upon the Company's operating requirements, Environmental Standards, inventory levels, and the ability of the Company's power plants to burn similar fuels.
9. Documentation. Contracts and Purchase Orders shall be signed by the Supplier and the Company.

The following documents must be maintained:

- The final list of bidders
- A copy of the bid package
- The bidders' responses with witnesses' signatures
- The bid evaluation summary

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E. Fuel Supply Agreement Administration:

1. Compliance. The Department shall review and analyze daily business and operational reports to properly administer all Fuel and Transportation Services Agreements. Coal weighing and sampling is conducted at each individual power plant site. Coal weights are measured in accordance with industry-accepted methods. Coal sampling and analysis is performed in accordance with Generation Services' System Laboratory procedures. These procedures have been developed in accordance with ASTM standards and cover coal sampling, coal sample preparation, coal sample identification, handling and shipping, and coal analysis on a parameter-by-parameter basis. Coal quantity and quality are reported to the Department through Aligne (the fuels management system).
2. Amendments. A Contract/Purchase Order shall not be materially amended except after analysis by the Department, recommendation of the Director, review by the Legal Department and in accordance with the Authority Matrices in C.3.
3. Contract Administration. The Department shall maintain the necessary data to administer the Contracts. Every Supplier's request for a change outside the existing terms, conditions, or prices must be written and supported by adequate data in conformity with the Contract. Each request shall be analyzed by the Department against the Contract provisions, and reported with recommendations to the Director. If the parties do not come to agreement on the new terms, negotiations between the Supplier and Company, as dictated by the Contract's terms, shall be the primary method of resolving the issue.
4. Supplier's Relief. Any Supplier's request or claim for relief from compliance with any provision of the Contract's terms such as Force Majeure conditions, quality specifications, approval of alternate sources, etc, must be in writing with an adequate description of conditions warranting nonperformance. Each request or claim shall be reviewed by the Director and the Company's Legal Department.
5. Inspections. The Director shall cause inspections of mining and other facilities of a Contract coal Supplier or other Fuel supply facilities as part of Contract Administration.
6. Emission Allowance Management. All allowances offered in connection with supplying fuel for either LG&E or KU generating Units will be managed in accordance with the Company's environmental, utility accounting, and rates and regulatory policies and procedures. The appropriate way to accommodate any additional allowances (offered in conjunction with supplying fuel) will be dependent on the quantity and vintage of the allowances offered.

F. Fuel Supply Agreement Enforcement:

1. General Enforcement Policy. Supplier obligations under Fuel supply Agreements shall be enforced by the Company to ensure Supplier compliance with the Company's overall procurement policy and to provide for the continuing supply of Fuel.

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2. Department Responsibility. Whenever it is determined that a shipment does not meet the Fuel Supply Agreement terms or a Supplier is not complying with the Fuel Supply Agreement terms, the Department shall inform the Supplier and direct that subsequent shipments be in compliance.

G. Legal Assistance:

The Department shall have access to, and may receive advice from, the Legal Department on all matters relating to Fuel procurement, administration and enforcement.

H. Inventory Levels:

The Company has an obligation to ensure the availability of continuous reliable service to its customers. Decisions affecting Fuel inventory shall be responsive to this obligation.

The Company strives to maintain an adequate inventory to ensure service reliability while allowing for enough flexibility so inventory levels can be responsive to known and anticipated changes in conditions and minimize the risks of unforeseen conditions. Inventory ranges are established based upon forecasted plant utilization, deliverability risks related to availability of truck, rail and barge capacity and associated transportation infrastructure, fuel quality requirements of the plants, the position of the plant in the dispatch order, risk of market supply-demand imbalance, and the ability to conduct quick spot market transactions. The general level of inventory is adjusted to meet anticipated conditions (i.e. summer/winter peak load, river lock outages, Unit outages, fuel unloading system outages, etc).

Coal inventories are reported monthly in the Department's Monthly Fuels Management Report. Regular inventory reports are made to senior management and inventory is reviewed by the Enterprise Risk Management Committee to ensure compliance with internal policies.

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I. Emergency Procurement:

Any one or more of the procedures described herein may be waived by the Vice President - Energy Supply and Analysis, whenever, Fuel must be purchased due to extraordinary conditions such as strikes, lockouts or other labor problems affecting Fuel production or transportation, embargoes, mining or other problems affecting production or transportation, existing and/or forecast extreme weather conditions, or any other conditions or circumstances that can be reasonably foreseen as impairing the continued supply of Fuel to the Company. When such a purchase is made, documentation of circumstances will be included in the Contract or Purchase Order file.

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J. Transportation Services Contracts:

Transportation Services bids shall be requested and Contracts negotiated whenever appropriate. A tariff may be used in lieu of a Contract Agreement if conditions warrant. Consideration shall generally be given to the following factors when considering the need or desirability to make a Transportation Services Agreement:

- plant requirements;
- the locations of potential Fuel Suppliers;
- the most desirable transportation modes available;
- coal unloading and handling system constraints;
- existing transportation routes and transfer points between Suppliers and Company generating Stations;
- desirability of maintaining flexibility with different modes of transportation;
- economics;
- other factors which may affect the delivery of Fuel to the Company's generating Stations.

The process of selecting and contracting for Transportation Services will vary with the mode of transportation being sought. For barge and truck deliveries, the Department will generally use the Company's accepted competitive bidding procedures. In instances where only one rail carrier may serve a plant, direct negotiations with the rail carriers serving a particular coal source may be initiated.

The selections of a transportation Supplier will generally be based upon, but not necessarily limited to, cost, reliability, coal unloading and handling system constraints, and other factors. Transportation Service Agreements must be in writing and signed by all parties, unless provided under an approved tariff. The approval procedures set forth in Section C.3 shall be used for the approval of all Transportation Contracts.

K. Other Fuels/Bulk Commodities/Service Contracts:

Bulk Commodity Supplies (including, but not limited to scrubber reagent, ammonia, hydrated lime, Trona and activated carbon) to be used by the Company's generating Stations and laboratory services, weighing and sampling services, stockpile surveys, governmental imposition claims assessment and coal pricing information services shall be requested and Contracts negotiated by Fuels, whenever appropriate. Associated transportation services related to Section J. such as railcar leases, railcar maintenance and repair, barge maintenance and repair, barge fleeting services, coal blending, and

FUEL PROCUREMENT POLICIES AND PROCEDURES
Louisville Gas and Electric Company
Kentucky Utilities Company

coal transloading services shall also be requested and Contracts negotiated by Fuels whenever appropriate. All of these Bulk Commodity/Service Contracts will abide by the Approval Authority Limits as set forth in Section C.3. above.

Natural Gas. Natural gas is procured on an "as-needed" basis due to the unpredictability of use. The need for natural gas fired generation is determined by many real-time variables; including, but not limited to, weather, customer demand, generation availability, transmission availability, and market prices. Purchases of natural gas are typically conducted in the day-ahead or intra-day spot market. The Power Supply Department is responsible for the purchase of natural gas and associated pipeline transportation.

Deleted: Regulated Trading & Dispatch

Fuel Oil. Fuel oil is procured on an "as-needed" basis due to the infrequency of use of this Fuel and the nature of the oil market. The responsibility for fuel oil procurement varies. When the need for fuel oil arises, the Department and/or the Power Plants will solicit vendors for offers. Orders are assigned on the basis of lowest delivered cost and the ability to fill the order. Solicitation results are documented in the Department for purchases made by the Department.

L. Affiliate Transactions:

Transactions and relationships between the Company and its unregulated affiliates are governed by four governmental agencies: the Kentucky Public Service Commission, the Federal Energy Regulatory Commission, the Securities and Exchange Commission, and as regards Kentucky Utilities Company, the Virginia State Commission.

The Company may purchase coal from an affiliate at the lesser of cost or market, if such a transfer is reasonably required by the Company to meet an Emergency and the Company believes in good faith that, under the circumstances, the transaction will be to the advantage of the Company. At the time of the affiliate transaction, the Company will document through the award recommendation process, the pricing basis and the justification for the affiliate transaction. The Company shall report any such purchase in its next recurrent report due to the Commission (Form A or Form B filing, or their successor(s)). All such affiliate transactions must as a minimum, meet the requirements of the Affiliate Transaction Overview, dated May 26, 2003, including the requirements of Kentucky Revised Statutes Chapter 278, Kentucky Public Service Commission Sections 2201 through 2219; the Securities and Exchange Commission, Title 17 – Commodity and Security Rules, Part 250 – General Rules and Regulations; and Virginia State Corporation Commission, Code of Virginia Title 56 – Chapter 4 and any other applicable affiliate transaction rules.

FUEL PROCUREMENT POLICIES AND PROCEDURES
Louisville Gas and Electric Company
Kentucky Utilities Company

M. Ethics and Conduct:

The Company recognizes the importance of following the Company's Standards of Integrity to guide the conduct of the Corporate Fuels and By-Products Department in the performance of its duties and responsibilities:

Deleted: Code of Ethics

The Department shall endeavor to serve the best interests of the Company and its customers in the performance of the Department's duties and responsibilities.

Fuels staff shall adhere to the ethical standards and policies of the Company.

Each employee involved with the procurement of Fuel will be required to promptly disclose, in writing, any actual or potential conflicts of interest to their supervisor and the LG&E/KU Compliance Department.

Deleted: annually file a "Conflict of Interest" statement with the Company

N. Penalties For Noncompliance

All Fuels employees are required to familiarize themselves with the Fuels Policies and Procedures and acknowledge through a process established by management, that they have received, read, understand, accept, and will act in accordance with this document. Failure to comply with any term of the policy may result in disciplinary action, up to and including discharge.

Key Contact: Manager - Fuels Accounting and Administration

Deleted: -

References: Authority Limit Matrix, Records Management and Retention Policy, Standards of Integrity, Reliability Standards, and Affiliate Restriction Regulations

Deleted: Director, Corporate Fuels and By-Products

Deleted: Anti-Manipulation Procedures;

Deleted: ; Standards of Conduct Procedures, Credit Policy;

Administrative Responsibility: Director, Corporate Fuels and By- Products

Deleted: ;

Deleted: Manager - Fuels Accounting and Administration

FUEL PROCUREMENT POLICIES AND PROCEDURES
Louisville Gas and Electric Company
Kentucky Utilities Company

Originally issued at Louisville, Kentucky, the 10th day of February, 2003.

Revised effective March 1, 2013.

Deleted: January

Deleted: 1

Louisville Gas and Electric Company

Kentucky Utilities Company

By _____

Paul Thompson

Chief Operating Officer

Deleted: Senior Vice President
- Energy Services

By _____

David Sinclair

Vice President – Energy Supply and Analysis

Deleted: Marketing

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 32

Witness: Mike Dotson

- Q-32. a. State whether LG&E is aware of any violations of its policies and procedures regarding fuel procurement that occurred prior to or during the period from May 1, 2012 to October 31, 2012.
- b. If the response is yes, for each violation:
- (1) Describe the violation;
 - (2) Describe the action(s) that LG&E took upon discovering the violation; and
 - (3) Identify the person(s) who committed the violation.
- A-32. a. No.
- b. Not applicable.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 33

Witness: Mike Dotson

- Q-33. Identify and explain the reasons for all changes in the organizational structure and personnel of the departments or divisions that are responsible for LG&E's fuel procurement activities that occurred during the period from May 1, 2012 to October 31, 2012.
- A-33. There have been no changes in the organizational structure since the last response provided to the Commission in Case No. 2012-00321, Question No. 17.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 34

Witness: David L. Tummonds

- Q-34. a. Identify all changes that LG&E made during the period from May 1, 2012 to October 31, 2012 to its maintenance and operation practices that affect fuel usage at LG&E's generation facilities.
- b. Describe the impact of these changes on LG&E's fuel usage.
- A-34 a. None.
- b. Not applicable.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 35

Witness: Robert M. Conroy

- Q-35. a. List all intersystem sales during the period from May 1, 2012 to October 31, 2012 in which LG&E used a third party's transmission system.
- b. For each sale listed above:
- (1) Describe how LG&E addressed, for FAC reporting purposes, the cost of fuel expended to cover any line losses incurred to transmit its power across the third party's transmission system; and
 - (2) State the line-loss factor used for each transaction and describe how such line-loss factor was determined.
- A-35. a. There were no inter-system sales from May 1, 2012 to October 31, 2012 which required a third party's transmission system.
- b. Not applicable.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 36

Witness: Robert M. Conroy

Q-36. Describe each change that LG&E made to its methodology for calculating intersystem sales line losses during the period from May 1, 2012 to October 31, 2012.

A-36. There have been no changes regarding the calculation of losses associated with intersystem sales. LG&E continues to use a line loss factor of one percent to determine the cost of fuel associated with line losses incurred to make an intersystem sale and recovered from such sale consistent with the Commission's December 2, 1999 Order in Case Nos. 96-524-A, 96-254-B, 96-524-C, and the March 2003 Order in Case No. 2002-00225.

However, LG&E recently completed a line loss study of its entire transmission and distribution system. The results of that study support the use of an incremental loss factor of 0.5% when adjusting off-system sales revenues for the monthly FAC filings. The updated incremental line loss study is attached to this response. LG&E respectfully requests the Commission to approve the use of an incremental loss factor of 0.5% when adjusting off-system sales revenues for FAC reporting purposes. Specifically LG&E asks the Commission to approve the use of the proposed incremental loss factor when the Commission issues its final order in this proceeding effective with the first billing cycle in the second month following the month in which the Commission issues its Order in this proceeding.

LGEE Incremental Loss Analysis

For Off System MWH Sales

January 2013

Prepared by:



MANAGEMENT APPLICATIONS CONSULTING, INC.
1103 Rocky Drive, Suite 201
Reading, PA 19609-1157
(610) 670-9199
fax (610) 670-9190
www.manapp.com



MANAGEMENT APPLICATIONS CONSULTING, INC.

1103 Rocky Drive • Suite 201 • Reading, PA 19609-1157 • 610/670-9199 • fax 610/670-9190 • www.manapp.com

January 15, 2013

Mr. Robert M. Conroy
Director of Rates
LG&E and KU Services Company
220 West Main Street
Louisville, KY 40202

RE: 2011 INCREMENTAL LOSS ANALYSIS – KU AND LG&E

Dear Mr. Conroy:

Transmitted herewith are the results of the 2011 Incremental Analysis of System Losses for LG&E and KU Services Company's power system.

Our analysis in this loss study was very detailed and considered hourly transactions and related calculations. We have presented our monthly loss results as well as a recommended overall annual incremental loss factor of 0.5% which is reduced from our prior analysis of 1%.

Should you require any additional information, please let us know at your earliest convenience.

Sincerely,

A handwritten signature in cursive script that reads "Paul M. Normand".

Paul M. Normand
Principal

Enclosure
PMN/rjp

**LGEE Incremental Loss Analysis
For Off System MWH Sales**

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RECOMMENDATIONS 4

Exhibit

PMN-1 Monthly Maximum and Minimum Loads and Losses

Appendix

A Detail Hourly Loss Results for Each Hour of Test Year (2/1/2011 – 1/30/2012)

Figures

- 1 Losses (MW) vs. Hourly (MW) Off System Sales (OSS)
- 2 Range % Loss by Month for Off System Sales (OSS)
- 3 Range MW Off System Sales (OSS) by Month



LGEE Incremental Loss Analysis For Off System MWH Sales

INTRODUCTION

Energy losses occur in every piece of electrical equipment which carries electricity. The vast majority of these losses arise from resistance to current flowing through conductors and which vary with loading. These amounts are referred to as variable or load losses. The other smaller component of losses is no-load or fixed losses. Fixed losses include transformer core losses, conductor corona and insulator losses and substation auxiliary energy use. The level of variable losses will vary according to loading conditions and other system factors such as the distribution of generation to meet load levels. By contrast, fixed losses remain essentially constant for all hours of the year irrespective of loading conditions.

In an incremental loss analysis, no load (fixed) losses must be netted out or removed from the final results. This is most important since failure to remove these fixed non-varying losses will inflate the resulting loss factors and produce misleading and inconsistent results when applied to incremental non-firm sales, which are priced at incremental fuel costs.

The most direct approach to isolating the effect of fixed losses from incremental losses is to initially establish a base case loading condition where the power system is modeled for the full requirement of the Company's native loads. The next step in the process is to simulate the impact of incremental losses on the power system from this base case by incrementally increasing or decreasing the generation to represent various sales (OSS) transactions throughout the year and calculating any differences in losses for each of these results from the base case.

AVERAGE VERSUS INCREMENTAL LOSSES

This report presents the results of the LGEE system wide incremental power loss analysis. Off System Sales (OSS) are non-firm and made after all firm load commitments have been met. The only proper approach to determining losses associated with these incremental sales is by doing an incremental loss analysis as we have prepared in this report. By performing an incremental study, a portion of the power system losses which is unaffected by these sales to other systems through the interconnections can be isolated and removed from the results so as to ensure that excess recovery is not assigned to these sales. Use of an average system loss factor would greatly increase the loss recovery beyond a reasonable level for LGEE Off System Sales as our analyses have historically shown.

As a reference point, in comparing the calculated annual incremental losses versus the transmission losses associated with the LGEE system based on a 2/1/2011 through 1/31/2012 test period, the resulting loss factors are as follows:

- | | |
|--------------------------------------|---------|
| 1. Annual Average Energy Loss Factor | 1.02048 |
| 2. Annual Incremental Loss Factor | 1.00447 |



LGEE Incremental Loss Analysis **For Off System MWH Sales**

INCREMENTAL LOSS CALCULATIONS

As part of the loss calculations, three seasonal power flow base case models were prepared to initially perform and calculate the appropriate level of average hourly losses for an entire year. In the next step, additional hourly loss calculations were prepared removing incremental hourly OSS exports of 100 MW or greater for each hourly transaction based on the Company's actual data. These revised hourly loss calculations (second step) were made using the initial hourly power flow models as the base case loading level for the historical period of 2/1/2011 through 1/31/2012. From this information, incremental losses related to these hourly differences were calculated to arrive at the incremental losses due to Off System Sales (OSS).

In preparing the OSS sales data for analysis, the detail was aggregated into eight points of receipt (POR) as follows:

BN138, CR138, GH138, GH345, GR138, MC345, PR138, and TC345.

The next category was to identify major points of delivery (POD) which were aggregated into four balancing areas:

EKPC, MISO, PJM, and TVA.

After having established these eight PORs and four PODs, the next step was to derive a power transfer distribution factor (PTDF) which establishes a change in power flow relationship between each POR to each POD. Knowing the PTDF factors and the hourly OSS magnitude, hourly power flow models were prepared. With these revised hourly models, we now have two power flow results from which hourly loss changes can be derived to calculate each composite incremental hourly loss as presented in Appendix A for OSS sales.

In order to evaluate any possible monthly or seasonal effects, these calculations were undertaken in detail for each hour. Exhibit PMN-1 provides the detail summary of monthly incremental loss results from Appendix A segregated by month to identify the possible range of impacts of these power flow loss results for each of 4,113 hourly transactions.

Due to the numerous hourly calculations (4,113) and the hourly ranges of impact, three specific graphical representations have been plotted that depict these hourly ranges of OSS level, losses, and final percent loss levels for all data points.

- Figure 1 represents the hourly OSS and corresponding losses in MW,
- Figure 2 represents the incremental hourly losses as a percent of OSS sales, and
- Figure 3 represents the actual hourly magnitude of OSS transaction in MW.

This 2011 incremental loss analysis was developed based on the use of a much more detailed analysis of Off System Sales data than has had been previously developed (2001 and 2003). The hourly transaction data was identified for each hour for all OSS sales greater than 100 MW and used two decrement modeled hourly power flows to derive unique incremental losses for that hour based on two separate power flow results. Appendix A of this report provides a detailed summary of each



LGEE Incremental Loss Analysis For Off System MWH Sales

of these hourly OSS transactions, the date and hour of occurrence, and the associated loss magnitude change and corresponding percent.

RECOMMENDATIONS

The incremental loss results for the entire 12-month period ending 1/31/2012 show that an annual level of incremental losses of 0.45% (Exhibit PMN-1, page 2) which is well below the currently approved 1% value. This also represents a loss value of less than one-fourth of the annual average loss of 2.048% as stated earlier.

Due to the wide varying nature of these incremental losses on both an hourly and monthly basis, my overall recommendation is to use an annual average incremental loss of 0.50% as a reasonable and more manageable approach to these incremental OSS sales losses.



Exhibit

LGEE Incremental Off System Sales Loss Summary

	Year-Month (a)	Criteria (b)	Date (d)	Sales (MW) (c)	Loss (MW) (e)	Percent (f)
1	2011-02					
2		Max Sales	2011-02-07-1700	1106	5.4	0.487%
3		Min Sales	2011-02-12-1300	100	0.4	0.386%
4		Max Loss		507	9.6	1.888%
5		Min Loss		296	-12.8	-4.315%
6		Monthly Avg		379	0.8	0.198%
7	2011-03					
8		Max Sales	2011-03-20-2100	932	-0.3	-0.037%
9		Min Sales	2011-03-06-1100	100	-1.8	-1.821%
10		Max Loss		536	5.9	1.102%
11		Min Loss		249	-5.4	-2.176%
12		Monthly Avg		323	-0.1	-0.046%
13	2011-04					
14		Max Sales	2011-04-24-1200	805	3.0	0.369%
15		Min Sales	2011-04-04-0100	100	0.3	0.337%
16		Max Loss		469	4.4	0.928%
17		Min Loss		200	-1.7	-0.857%
18		Monthly Avg		285	1.1	0.390%
19	2011-05					
20		Max Sales	2011-05-07-2100	880	9.0	1.026%
21		Min Sales	2011-05-08-0900	100	0.7	0.746%
22		Max Loss		800	10.5	1.315%
23		Min Loss		264	-6.9	-2.595%
24		Monthly Avg		336	0.6	0.173%
25	2011-06					
26		Max Sales	2011-06-15-1400	1011	20.8	2.059%
27		Min Sales	2011-06-01-1300	100	-0.1	-0.060%
28		Max Loss		1011	20.8	2.059%
29		Min Loss		298	-10.1	-3.391%
30		Monthly Avg		363	1.2	0.339%
31	2011-07					
32		Max Sales	2011-07-09-1100	1148	7.6	0.664%
33		Min Sales	2011-07-12-0100	100	-0.1	-0.144%
34		Max Loss		1073	9.4	0.877%
35		Min Loss		361	-10.1	-2.808%
36		Monthly Avg		343	0.4	0.105%
37	2011-08					
38		Max Sales	2011-08-17-0900	553	1.2	0.215%
39		Min Sales	2011-08-05-0000	100	-3.2	-3.216%
40		Max Loss		493	4.6	0.924%
41		Min Loss		408	-9.3	-2.269%
42		Monthly Avg		243	-0.7	-0.299%

LGEE Incremental Off System Sales Loss Summary

	Year-Month	Criteria	Date	Sales (MW)	Loss (MW)	Percent
	(a)	(b)	(d)	(c)	(e)	(f)
43	2011-09					
44		Max Sales	2011-09-20-1900	967	9.8	1.009%
45		Min Sales	2011-09-03-1100	100	-1.3	-1.306%
46		Max Loss		701	10.0	1.422%
47		Min Loss		200	-4.4	-2.224%
48		Monthly Avg		345	2.8	0.817%
49	2011-10					
50		Max Sales	2011-10-22-1600	1152	12.9	1.119%
51		Min Sales	2011-10-11-0000	100	0.9	0.857%
52		Max Loss		918	13.2	1.438%
53		Min Loss		472	-4.1	-0.872%
54		Monthly Avg		467	4.1	0.887%
55	2011-11					
56		Max Sales	2011-11-12-1000	927	12.9	1.393%
57		Min Sales	2011-11-04-1200	100	0.4	0.430%
58		Max Loss		920	13.4	1.460%
59		Min Loss		300	-8.6	-2.853%
60		Monthly Avg		455	3.9	0.867%
61	2011-12					
62		Max Sales	2011-12-28-0800	975	11.0	1.130%
63		Min Sales	2011-12-04-1000	100	-0.3	-0.256%
64		Max Loss		804	12.0	1.488%
65		Min Loss		585	-9.0	-1.540%
66		Monthly Avg		395	2.5	0.625%
67	2012-01					
68		Max Sales	2012-01-04-1900	809	-2.7	-0.334%
69		Min Sales	2012-01-03-0900	100	-4.3	-4.274%
70		Max Loss		700	11.6	1.656%
71		Min Loss		355	-11.9	-3.352%
72		Monthly Avg		347	0.6	0.179%
73	Annual					
74		Max Sales	2011-10-22-1600	1152	12.9	1.119%
75		Min Sales	2011-02-12-1300	100	0.4	0.386%
76		Max Loss		1011	20.8	2.059%
77		Min Loss		296	-12.8	-4.315%
78						
79		AVERAGE ANNUAL LOSS FACTOR		371.1	1.7	0.45%
80						
81		RECOMMENDED ANNUAL LOSS FACTOR				0.50%
82						

Appendix

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-02-01-0100	450	3.282	2/1/11 1:00	0.007293	1	
2011-02-01-0200	450	3.245	2/1/11 2:00	0.007211	2 avg load	371.1 MW
2011-02-01-0300	450	3.136	2/1/11 3:00	0.006969	3 avg losses	1.7 MW
2011-02-01-0400	650	5.191	2/1/11 4:00	0.007986	4 avg losses	0.45%
2011-02-01-0500	650	5.274	2/1/11 5:00	0.008114	5	
2011-02-01-0600	668	5.545	2/1/11 6:00	0.008301	6	
2011-02-01-0700	877	9.102	2/1/11 7:00	0.010379	7	
2011-02-01-0800	561	5.717	2/1/11 8:00	0.010191	8	
2011-02-01-0900	500	5.286	2/1/11 9:00	0.010572	9	
2011-02-01-1000	399	3.905	2/1/11 10:00	0.009787	10	
2011-02-01-1100	181	0.972	2/1/11 11:00	0.00537	11	
2011-02-01-1200	223	1.308	2/1/11 12:00	0.005865	12	
2011-02-01-1300	332	2.408	2/1/11 13:00	0.007253	13	
2011-02-01-1400	237	1.259	2/1/11 14:00	0.005312	14	
2011-02-01-1500	274	1.843	2/1/11 15:00	0.006726	15	
2011-02-01-1600	289	2.266	2/1/11 16:00	0.007841	16	
2011-02-01-1700	316	2.556	2/1/11 17:00	0.008089	17	
2011-02-01-1800	441	4.291	2/1/11 18:00	0.00973	18	
2011-02-01-1900	430	3.845	2/1/11 19:00	0.008942	19	
2011-02-01-2000	445	4.21	2/1/11 20:00	0.009461	20	
2011-02-01-2100	449	4.886	2/1/11 21:00	0.010882	21	
2011-02-01-2200	397	4.238	2/1/11 22:00	0.010675	22	
2011-02-01-2300	317	3.124	2/1/11 23:00	0.009855	23	
2011-02-02-0200	324	2.355	2/2/11 2:00	0.007269	24	
2011-02-02-0300	403	3.226	2/2/11 3:00	0.008005	25	
2011-02-02-0400	403	2.613	2/2/11 4:00	0.006484	26	
2011-02-02-0500	403	2.978	2/2/11 5:00	0.00739	27	
2011-02-02-0600	403	3.105	2/2/11 6:00	0.007705	28	
2011-02-02-0700	403	3.892	2/2/11 7:00	0.009658	29	
2011-02-02-0800	491	-0.055	2/2/11 8:00	-0.00011	30	
2011-02-02-0900	403	-2.87	2/2/11 9:00	-0.00712	31	
2011-02-02-1000	403	-2.986	2/2/11 10:00	-0.00741	32	
2011-02-02-1100	403	-2.648	2/2/11 11:00	-0.00657	33	
2011-02-02-1200	403	-1.244	2/2/11 12:00	-0.00309	34	
2011-02-02-1300	403	5.025	2/2/11 13:00	0.012469	35	
2011-02-02-1400	403	5.495	2/2/11 14:00	0.013635	36	
2011-02-02-1500	403	5.438	2/2/11 15:00	0.013494	37	
2011-02-02-1600	403	5.537	2/2/11 16:00	0.013739	38	
2011-02-02-1700	402	4.593	2/2/11 17:00	0.011425	39	
2011-02-02-1800	351	-4.043	2/2/11 18:00	-0.01152	40	
2011-02-02-1900	152	-6.289	2/2/11 19:00	-0.04138	41	
2011-02-02-2000	152	-6.204	2/2/11 20:00	-0.04082	42	
2011-02-02-2100	199	-8.032	2/2/11 21:00	-0.04036	43	
2011-02-02-2200	250	-9.805	2/2/11 22:00	-0.03922	44	
2011-02-02-2300	403	-7.883	2/2/11 23:00	-0.01956	45	
2011-02-03-0000	403	-1.692	2/3/11 0:00	-0.0042	46	
2011-02-03-0100	450	-0.161	2/3/11 1:00	-0.00036	47	
2011-02-03-0200	525	2.014	2/3/11 2:00	0.003836	48	
2011-02-03-0300	575	3.124	2/3/11 3:00	0.005433	49	
2011-02-03-0400	625	3.942	2/3/11 4:00	0.006307	50	
2011-02-03-0500	675	4.471	2/3/11 5:00	0.006624	51	
2011-02-03-0600	573	2.826	2/3/11 6:00	0.004932	52	
2011-02-03-0700	406	0	2/3/11 7:00	0	53	
2011-02-03-0800	499	-4.617	2/3/11 8:00	-0.00925	54	
2011-02-03-0900	399	-4.853	2/3/11 9:00	-0.01216	55	
2011-02-03-1000	548	-0.013	2/3/11 10:00	-2.4E-05	56	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-02-03-1100	363	-0.027	2/3/11 11:00	-7.4E-05	57	
2011-02-03-1200	359	-6.732	2/3/11 12:00	-0.01875	58	
2011-02-03-1400	200	-4.501	2/3/11 14:00	-0.02251	59	
2011-02-03-1500	200	-5.41	2/3/11 15:00	-0.02705	60	
2011-02-03-1600	350	-3.073	2/3/11 16:00	-0.00878	61	
2011-02-03-1700	400	-2.301	2/3/11 17:00	-0.00575	62	
2011-02-03-1800	199	-4.67	2/3/11 18:00	-0.02347	63	
2011-02-04-0000	188	-6.59	2/4/11 0:00	-0.03505	64	
2011-02-04-0100	300	-5.904	2/4/11 1:00	-0.01968	65	
2011-02-04-0200	300	-2.989	2/4/11 2:00	-0.00996	66	
2011-02-04-0300	300	0.129	2/4/11 3:00	0.00043	67	
2011-02-04-0400	300	0.209	2/4/11 4:00	0.000697	68	
2011-02-04-0500	300	-0.057	2/4/11 5:00	-0.00019	69	
2011-02-04-0600	275	-6.571	2/4/11 6:00	-0.02389	70	
2011-02-04-1300	199	-6.333	2/4/11 13:00	-0.03182	71	
2011-02-04-1400	349	-4.359	2/4/11 14:00	-0.01249	72	
2011-02-04-1500	337	-1.469	2/4/11 15:00	-0.00436	73	
2011-02-04-1600	499	6.097	2/4/11 16:00	0.012218	74	
2011-02-04-1700	649	7.589	2/4/11 17:00	0.011693	75	
2011-02-04-1800	499	2.853	2/4/11 18:00	0.005717	76	
2011-02-04-1900	349	-0.414	2/4/11 19:00	-0.00119	77	
2011-02-04-2000	299	-1.188	2/4/11 20:00	-0.00397	78	
2011-02-04-2100	374	-2.171	2/4/11 21:00	-0.0058	79	
2011-02-04-2200	448	-0.738	2/4/11 22:00	-0.00165	80	
2011-02-04-2300	499	0.296	2/4/11 23:00	0.000593	81	
2011-02-05-0000	297	-1.308	2/5/11 0:00	-0.0044	82	
2011-02-06-0500	107	0.319	2/6/11 5:00	0.002981	83	
2011-02-06-0600	124	0.253	2/6/11 6:00	0.00204	84	
2011-02-06-0700	109	-0.239	2/6/11 7:00	-0.00219	85	
2011-02-06-0800	113	0.202	2/6/11 8:00	0.001788	86	
2011-02-06-0900	299	2.221	2/6/11 9:00	0.007428	87	
2011-02-06-1000	296	2.296	2/6/11 10:00	0.007757	88	
2011-02-06-1100	189	0.923	2/6/11 11:00	0.004884	89	
2011-02-06-1200	289	1.801	2/6/11 12:00	0.006232	90	
2011-02-06-1300	389	3.087	2/6/11 13:00	0.007936	91	
2011-02-06-1400	289	1.247	2/6/11 14:00	0.004315	92	
2011-02-06-1500	289	1.044	2/6/11 15:00	0.003612	93	
2011-02-06-1600	290	1.083	2/6/11 16:00	0.003734	94	
2011-02-06-1700	294	0.685	2/6/11 17:00	0.00233	95	
2011-02-06-1800	295	0.311	2/6/11 18:00	0.001054	96	
2011-02-06-1900	693	3.883	2/6/11 19:00	0.005603	97	
2011-02-06-2000	751	5.607	2/6/11 20:00	0.007466	98	
2011-02-06-2100	698	5.215	2/6/11 21:00	0.007471	99	
2011-02-06-2200	558	4.859	2/6/11 22:00	0.008708	100	
2011-02-06-2300	697	6.913	2/6/11 23:00	0.009918	101	
2011-02-07-0000	297	1.969	2/7/11 0:00	0.00663	102	
2011-02-07-0100	297	1.577	2/7/11 1:00	0.00531	103	
2011-02-07-0200	296	2.035	2/7/11 2:00	0.006875	104	
2011-02-07-0300	296	2.082	2/7/11 3:00	0.007034	105	
2011-02-07-0400	300	2.154	2/7/11 4:00	0.00718	106	
2011-02-07-0500	296	2.05	2/7/11 5:00	0.006926	107	
2011-02-07-0600	595	5.083	2/7/11 6:00	0.008543	108	
2011-02-07-0700	576	5.069	2/7/11 7:00	0.0088	109	
2011-02-07-0800	605	1.636	2/7/11 8:00	0.002704	110	
2011-02-07-0900	536	-1.149	2/7/11 9:00	-0.00214	111	
2011-02-07-1000	731	2.434	2/7/11 10:00	0.00333	112	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-02-07-1100	773	3.686	2/7/11 11:00	0.004768	113	
2011-02-07-1200	899	3.102	2/7/11 12:00	0.003451	114	
2011-02-07-1300	898	1.679	2/7/11 13:00	0.00187	115	
2011-02-07-1400	899	3.22	2/7/11 14:00	0.003582	116	
2011-02-07-1500	883	2.814	2/7/11 15:00	0.003187	117	
2011-02-07-1600	1046	5.048	2/7/11 16:00	0.004826	118	
2011-02-07-1700	1106	5.385	2/7/11 17:00	0.004869	119	
2011-02-07-1800	881	1.695	2/7/11 18:00	0.001924	120	
2011-02-07-1900	685	-2.204	2/7/11 19:00	-0.00322	121	
2011-02-07-2000	685	-2.24	2/7/11 20:00	-0.00327	122	
2011-02-07-2100	736	-0.903	2/7/11 21:00	-0.00123	123	
2011-02-07-2200	735	-0.751	2/7/11 22:00	-0.00102	124	
2011-02-07-2300	692	-1.116	2/7/11 23:00	-0.00161	125	
2011-02-08-0000	732	0.007	2/8/11 0:00	9.56E-06	126	
2011-02-08-0100	262	-2.978	2/8/11 1:00	-0.01137	127	
2011-02-08-0200	240	0.244	2/8/11 2:00	0.001017	128	
2011-02-08-0300	243	1.669	2/8/11 3:00	0.006868	129	
2011-02-08-0400	244	1.551	2/8/11 4:00	0.006357	130	
2011-02-08-0500	296	2.657	2/8/11 5:00	0.008976	131	
2011-02-08-0600	703	7.613	2/8/11 6:00	0.010829	132	
2011-02-08-0700	415	2.443	2/8/11 7:00	0.005887	133	
2011-02-08-0800	375	-5.738	2/8/11 8:00	-0.0153	134	
2011-02-08-0900	400	-2.99	2/8/11 9:00	-0.00748	135	
2011-02-08-1000	231	-8.196	2/8/11 10:00	-0.03548	136	
2011-02-08-1100	233	-8.097	2/8/11 11:00	-0.03475	137	
2011-02-08-1200	236	-7.763	2/8/11 12:00	-0.03289	138	
2011-02-08-1300	243	-5.619	2/8/11 13:00	-0.02312	139	
2011-02-08-1400	243	-2.332	2/8/11 14:00	-0.0096	140	
2011-02-08-1500	179	0.577	2/8/11 15:00	0.003223	141	
2011-02-08-1800	444	-0.352	2/8/11 18:00	-0.00079	142	
2011-02-08-1900	430	-7.632	2/8/11 19:00	-0.01775	143	
2011-02-08-2000	335	-10.442	2/8/11 20:00	-0.03117	144	
2011-02-08-2100	335	-10.317	2/8/11 21:00	-0.0308	145	
2011-02-08-2200	335	-10.883	2/8/11 22:00	-0.03249	146	
2011-02-08-2300	335	-2.516	2/8/11 23:00	-0.00751	147	
2011-02-09-0000	435	1.41	2/9/11 0:00	0.003241	148	
2011-02-09-0100	374	3.471	2/9/11 1:00	0.009281	149	
2011-02-09-0200	468	1.439	2/9/11 2:00	0.003075	150	
2011-02-09-0300	480	6.491	2/9/11 3:00	0.013523	151	
2011-02-09-0400	575	6.03	2/9/11 4:00	0.010487	152	
2011-02-09-0500	592	-1.551	2/9/11 5:00	-0.00262	153	
2011-02-09-0600	280	-9.032	2/9/11 6:00	-0.03226	154	
2011-02-09-1300	229	-6.825	2/9/11 13:00	-0.0298	155	
2011-02-09-1400	281	-8.069	2/9/11 14:00	-0.02872	156	
2011-02-09-1500	336	-8.884	2/9/11 15:00	-0.02644	157	
2011-02-09-1600	385	-8.544	2/9/11 16:00	-0.02219	158	
2011-02-09-1700	336	-9.439	2/9/11 17:00	-0.02809	159	
2011-02-09-1800	135	-4.67	2/9/11 18:00	-0.03459	160	
2011-02-09-2200	184	-6.405	2/9/11 22:00	-0.03481	161	
2011-02-09-2300	201	-6.896	2/9/11 23:00	-0.03431	162	
2011-02-10-0000	372	-8.729	2/10/11 0:00	-0.02347	163	
2011-02-10-0100	378	-9.388	2/10/11 1:00	-0.02484	164	
2011-02-10-0200	229	-7.885	2/10/11 2:00	-0.03443	165	
2011-02-10-0500	133	-3.091	2/10/11 5:00	-0.02324	166	
2011-02-10-1400	189	-5.664	2/10/11 14:00	-0.02997	167	
2011-02-10-1500	397	-6.918	2/10/11 15:00	-0.01743	168	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-02-10-1600	398	-3.945	2/10/11 16:00	-0.00991	169	
2011-02-10-1700	397	-1.315	2/10/11 17:00	-0.00331	170	
2011-02-10-1800	375	-1.611	2/10/11 18:00	-0.0043	171	
2011-02-10-1900	289	-7.168	2/10/11 19:00	-0.0248	172	
2011-02-10-2000	196	-6.803	2/10/11 20:00	-0.03471	173	
2011-02-10-2100	197	-7.485	2/10/11 21:00	-0.03799	174	
2011-02-10-2200	248	-8.968	2/10/11 22:00	-0.03616	175	
2011-02-10-2300	303	-9.966	2/10/11 23:00	-0.03289	176	
2011-02-11-0000	396	-6.056	2/11/11 0:00	-0.01529	177	
2011-02-11-0100	396	5.88	2/11/11 1:00	0.014848	178	
2011-02-11-0200	292	3.457	2/11/11 2:00	0.011839	179	
2011-02-11-0300	387	0.882	2/11/11 3:00	0.002279	180	
2011-02-11-0400	445	-0.912	2/11/11 4:00	-0.00205	181	
2011-02-11-0500	449	-2.949	2/11/11 5:00	-0.00657	182	
2011-02-11-0600	296	-12.772	2/11/11 6:00	-0.04315	183	
2011-02-11-1200	119	-3.86	2/11/11 12:00	-0.03244	184	
2011-02-11-1300	306	2.217	2/11/11 13:00	0.007245	185	
2011-02-11-1400	307	2.317	2/11/11 14:00	0.007547	186	
2011-02-11-1800	302	1.025	2/11/11 18:00	0.003394	187	
2011-02-11-1900	302	0.83	2/11/11 19:00	0.002748	188	
2011-02-11-2000	401	-5.486	2/11/11 20:00	-0.01368	189	
2011-02-11-2100	107	-1.97	2/11/11 21:00	-0.01841	190	
2011-02-11-2300	113	-0.17	2/11/11 23:00	-0.0015	191	
2011-02-12-0000	297	0.019	2/12/11 0:00	6.4E-05	192	
2011-02-12-0500	325	3.395	2/12/11 5:00	0.010446	193	
2011-02-12-0600	375	4.997	2/12/11 6:00	0.013325	194	
2011-02-12-0700	456	6.001	2/12/11 7:00	0.01316	195	
2011-02-12-0800	350	4.501	2/12/11 8:00	0.01286	196	
2011-02-12-0900	430	5.479	2/12/11 9:00	0.012742	197	
2011-02-12-1000	201	0.175	2/12/11 10:00	0.000871	198	
2011-02-12-1100	185	-0.324	2/12/11 11:00	-0.00175	199	
2011-02-12-1200	200	0.237	2/12/11 12:00	0.001185	200	
2011-02-12-1300	100	0.386	2/12/11 13:00	0.00386	201	
2011-02-12-1800	173	1.148	2/12/11 18:00	0.006636	202	
2011-02-12-1900	146	0.754	2/12/11 19:00	0.005164	203	
2011-02-12-2000	400	4.671	2/12/11 20:00	0.011678	204	
2011-02-12-2100	200	2.494	2/12/11 21:00	0.01247	205	
2011-02-12-2200	200	2.063	2/12/11 22:00	0.010315	206	
2011-02-13-0500	100	0.264	2/13/11 5:00	0.00264	207	
2011-02-13-0600	426	6.514	2/13/11 6:00	0.015291	208	
2011-02-13-0700	473	8.107	2/13/11 7:00	0.01714	209	
2011-02-13-0800	507	9.573	2/13/11 8:00	0.018882	210	
2011-02-13-0900	372	6.336	2/13/11 9:00	0.017032	211	
2011-02-13-1000	287	3.976	2/13/11 10:00	0.013854	212	
2011-02-13-1100	327	4.036	2/13/11 11:00	0.012343	213	
2011-02-13-1900	249	1.977	2/13/11 19:00	0.00794	214	
2011-02-13-2000	357	4.001	2/13/11 20:00	0.011207	215	
2011-02-13-2100	357	3.915	2/13/11 21:00	0.010966	216	
2011-02-13-2200	350	3.593	2/13/11 22:00	0.010266	217	
2011-02-13-2300	175	0.934	2/13/11 23:00	0.005337	218	
2011-02-14-0700	458	4.69	2/14/11 7:00	0.01024	219	
2011-02-14-0800	462	5.788	2/14/11 8:00	0.012528	220	
2011-02-14-0900	600	7.566	2/14/11 9:00	0.01261	221	
2011-02-14-1000	574	7.597	2/14/11 10:00	0.013235	222	
2011-02-14-1100	500	5.94	2/14/11 11:00	0.01188	223	
2011-02-14-1200	300	3.567	2/14/11 12:00	0.01189	224	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-02-14-1300	275	2.401	2/14/11 13:00	0.008731	225	
2011-02-14-1500	100	0.402	2/14/11 15:00	0.00402	226	
2011-02-14-1600	100	0.364	2/14/11 16:00	0.00364	227	
2011-02-14-1700	100	0.358	2/14/11 17:00	0.00358	228	
2011-02-14-1800	100	0.178	2/14/11 18:00	0.00178	229	
2011-02-14-1900	449	0.982	2/14/11 19:00	0.002187	230	
2011-02-14-2000	353	-0.411	2/14/11 20:00	-0.00116	231	
2011-02-14-2100	370	1.116	2/14/11 21:00	0.003016	232	
2011-02-14-2200	369	4.592	2/14/11 22:00	0.012444	233	
2011-02-14-2300	299	3.068	2/14/11 23:00	0.010261	234	
2011-02-15-0700	273	-6.078	2/15/11 7:00	-0.02226	235	
2011-02-15-1900	242	-0.895	2/15/11 19:00	-0.0037	236	
2011-02-15-2100	193	-1.949	2/15/11 21:00	-0.0101	237	
2011-02-16-1100	153	0.227	2/16/11 11:00	0.001484	238	
2011-02-16-1200	254	2.768	2/16/11 12:00	0.010898	239	
2011-02-16-1300	254	4.336	2/16/11 13:00	0.017071	240	
2011-02-16-1400	280	4.699	2/16/11 14:00	0.016782	241	
2011-02-16-1500	197	2.945	2/16/11 15:00	0.014949	242	
2011-02-16-1900	175	0.68	2/16/11 19:00	0.003886	243	
2011-02-16-2000	240	-1.682	2/16/11 20:00	-0.00701	244	
2011-02-16-2100	139	-2.946	2/16/11 21:00	-0.02119	245	
2011-02-16-2200	140	-1.117	2/16/11 22:00	-0.00798	246	
2011-02-17-0700	213	2.704	2/17/11 7:00	0.012695	247	
2011-02-19-1000	411	2.746	2/19/11 10:00	0.006681	248	
2011-02-19-1100	400	2.409	2/19/11 11:00	0.006023	249	
2011-02-19-1200	300	0.604	2/19/11 12:00	0.002013	250	
2011-02-19-1300	510	3.348	2/19/11 13:00	0.006565	251	
2011-02-19-1400	400	2.147	2/19/11 14:00	0.005368	252	
2011-02-19-1500	300	0.762	2/19/11 15:00	0.00254	253	
2011-02-19-1800	225	1.793	2/19/11 18:00	0.007969	254	
2011-02-19-1900	540	3.916	2/19/11 19:00	0.007252	255	
2011-02-19-2000	575	1.78	2/19/11 20:00	0.003096	256	
2011-02-19-2100	575	1.546	2/19/11 21:00	0.002689	257	
2011-02-19-2200	600	2.122	2/19/11 22:00	0.003537	258	
2011-02-19-2300	638	1.596	2/19/11 23:00	0.002502	259	
2011-02-20-0000	633	2.709	2/20/11 0:00	0.00428	260	
2011-02-20-0100	600	2.096	2/20/11 1:00	0.003493	261	
2011-02-20-0200	300	1.716	2/20/11 2:00	0.00572	262	
2011-02-20-0300	300	2.609	2/20/11 3:00	0.008697	263	
2011-02-20-0400	300	3.172	2/20/11 4:00	0.010573	264	
2011-02-20-0500	300	2.883	2/20/11 5:00	0.00961	265	
2011-02-20-0600	300	3.016	2/20/11 6:00	0.010053	266	
2011-02-20-0700	300	3.296	2/20/11 7:00	0.010987	267	
2011-02-20-0800	300	3.047	2/20/11 8:00	0.010157	268	
2011-02-20-0900	300	3.425	2/20/11 9:00	0.011417	269	
2011-02-20-1000	400	4.554	2/20/11 10:00	0.011385	270	
2011-02-20-1100	400	3.514	2/20/11 11:00	0.008785	271	
2011-02-20-1200	400	3.954	2/20/11 12:00	0.009885	272	
2011-02-20-1300	398	3.905	2/20/11 13:00	0.009812	273	
2011-02-20-1400	447	4.146	2/20/11 14:00	0.009275	274	
2011-02-20-1500	198	1.575	2/20/11 15:00	0.007955	275	
2011-02-20-1800	380	3.134	2/20/11 18:00	0.008247	276	
2011-02-20-1900	580	0.546	2/20/11 19:00	0.000941	277	
2011-02-20-2000	500	-1.891	2/20/11 20:00	-0.00378	278	
2011-02-20-2100	500	-1.526	2/20/11 21:00	-0.00305	279	
2011-02-20-2200	316	0.922	2/20/11 22:00	0.002918	280	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-02-20-2300	264	1.954	2/20/11 23:00	0.007402	281	
2011-02-21-0000	100	0.448	2/21/11 0:00	0.00448	282	
2011-02-21-0600	133	0.445	2/21/11 6:00	0.003346	283	
2011-02-21-0700	423	2.167	2/21/11 7:00	0.005123	284	
2011-02-21-0800	321	1.949	2/21/11 8:00	0.006072	285	
2011-02-21-0900	363	2.858	2/21/11 9:00	0.007873	286	
2011-02-21-1000	430	4.109	2/21/11 10:00	0.009556	287	
2011-02-21-1100	504	4.648	2/21/11 11:00	0.009222	288	
2011-02-21-1200	701	6.486	2/21/11 12:00	0.009252	289	
2011-02-21-1300	768	7.017	2/21/11 13:00	0.009137	290	
2011-02-21-1400	1015	6.151	2/21/11 14:00	0.00606	291	
2011-02-21-1500	990	5.478	2/21/11 15:00	0.005533	292	
2011-02-21-1600	1003	5.615	2/21/11 16:00	0.005598	293	
2011-02-21-1700	1003	5.721	2/21/11 17:00	0.005704	294	
2011-02-21-1800	1053	5.47	2/21/11 18:00	0.005195	295	
2011-02-21-1900	853	3.847	2/21/11 19:00	0.00451	296	
2011-02-21-2000	553	0.539	2/21/11 20:00	0.000975	297	
2011-02-21-2100	703	1.827	2/21/11 21:00	0.002599	298	
2011-02-21-2200	703	4.631	2/21/11 22:00	0.006587	299	
2011-02-21-2300	551	4.28	2/21/11 23:00	0.007768	300	
2011-02-22-0000	443	4.158	2/22/11 0:00	0.009386	301	
2011-02-22-0100	100	0.382	2/22/11 1:00	0.00382	302	
2011-02-22-0600	452	4.493	2/22/11 6:00	0.00994	303	
2011-02-22-0700	560	5.441	2/22/11 7:00	0.009716	304	
2011-02-22-0800	600	-1.425	2/22/11 8:00	-0.00238	305	
2011-02-22-0900	400	-4.639	2/22/11 9:00	-0.0116	306	
2011-02-22-1000	500	-2.566	2/22/11 10:00	-0.00513	307	
2011-02-22-1100	553	-2.106	2/22/11 11:00	-0.00381	308	
2011-02-22-1200	487	-2.483	2/22/11 12:00	-0.0051	309	
2011-02-22-1300	487	-2.73	2/22/11 13:00	-0.00561	310	
2011-02-22-1400	453	-2.826	2/22/11 14:00	-0.00624	311	
2011-02-22-1500	403	-3.394	2/22/11 15:00	-0.00842	312	
2011-02-22-1600	403	2.495	2/22/11 16:00	0.006191	313	
2011-02-22-1700	153	-0.469	2/22/11 17:00	-0.00307	314	
2011-02-22-1800	353	-0.698	2/22/11 18:00	-0.00198	315	
2011-02-22-1900	249	-3.079	2/22/11 19:00	-0.01237	316	
2011-02-22-2000	150	-3.876	2/22/11 20:00	-0.02584	317	
2011-02-22-2100	350	-4.435	2/22/11 21:00	-0.01267	318	
2011-02-22-2200	350	-4.167	2/22/11 22:00	-0.01191	319	
2011-02-22-2300	388	-2.343	2/22/11 23:00	-0.00604	320	
2011-02-23-0000	350	2.938	2/23/11 0:00	0.008394	321	
2011-02-23-0100	345	3.305	2/23/11 1:00	0.00958	322	
2011-02-23-0200	345	3.641	2/23/11 2:00	0.010554	323	
2011-02-23-0300	345	3.652	2/23/11 3:00	0.010586	324	
2011-02-23-0400	345	3.553	2/23/11 4:00	0.010299	325	
2011-02-23-0500	370	3.84	2/23/11 5:00	0.010378	326	
2011-02-23-0600	395	1.927	2/23/11 6:00	0.004878	327	
2011-02-23-0700	345	-4.103	2/23/11 7:00	-0.01189	328	
2011-02-23-0800	345	-3.061	2/23/11 8:00	-0.00887	329	
2011-02-23-0900	345	-3.298	2/23/11 9:00	-0.00956	330	
2011-02-23-1300	271	-2.084	2/23/11 13:00	-0.00769	331	
2011-02-23-1500	199	-0.227	2/23/11 15:00	-0.00114	332	
2011-02-23-1600	150	0.235	2/23/11 16:00	0.001567	333	
2011-02-23-1700	150	1.428	2/23/11 17:00	0.00952	334	
2011-02-23-1800	645	7.23	2/23/11 18:00	0.011209	335	
2011-02-23-1900	645	5.871	2/23/11 19:00	0.009102	336	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-02-23-2000	495	2.561	2/23/11 20:00	0.005174	337	
2011-02-23-2100	495	3.686	2/23/11 21:00	0.007446	338	
2011-02-23-2200	495	5.808	2/23/11 22:00	0.011733	339	
2011-02-23-2300	395	4.342	2/23/11 23:00	0.010992	340	
2011-02-24-0000	394	4.712	2/24/11 0:00	0.011959	341	
2011-02-24-0100	343	3.65	2/24/11 1:00	0.010641	342	
2011-02-24-0200	343	3.588	2/24/11 2:00	0.010461	343	
2011-02-24-0300	345	3.639	2/24/11 3:00	0.010548	344	
2011-02-24-0400	345	3.316	2/24/11 4:00	0.009612	345	
2011-02-24-0500	345	3.428	2/24/11 5:00	0.009936	346	
2011-02-24-0600	345	3.387	2/24/11 6:00	0.009817	347	
2011-02-24-0700	495	4.748	2/24/11 7:00	0.009592	348	
2011-02-24-0800	695	3.885	2/24/11 8:00	0.00559	349	
2011-02-24-0900	544	0.208	2/24/11 9:00	0.000382	350	
2011-02-24-1000	344	1.415	2/24/11 10:00	0.004113	351	
2011-02-24-1100	247	0.647	2/24/11 11:00	0.002619	352	
2011-02-24-1600	200	2.034	2/24/11 16:00	0.01017	353	
2011-02-24-1700	200	0.558	2/24/11 17:00	0.00279	354	
2011-02-24-1800	200	-0.512	2/24/11 18:00	-0.00256	355	
2011-02-24-1900	199	0.137	2/24/11 19:00	0.000688	356	
2011-02-24-2000	249	-0.304	2/24/11 20:00	-0.00122	357	
2011-02-24-2100	173	-1.137	2/24/11 21:00	-0.00657	358	
2011-02-24-2200	274	-0.925	2/24/11 22:00	-0.00338	359	
2011-02-24-2300	424	1.944	2/24/11 23:00	0.004585	360	
2011-02-25-0000	249	1.884	2/25/11 0:00	0.007566	361	
2011-02-25-0700	338	-0.899	2/25/11 7:00	-0.00266	362	
2011-02-25-1400	116	-0.567	2/25/11 14:00	-0.00489	363	
2011-02-25-1500	200	-2.094	2/25/11 15:00	-0.01047	364	
2011-02-25-1600	475	-0.736	2/25/11 16:00	-0.00155	365	
2011-02-25-1700	492	-1.262	2/25/11 17:00	-0.00257	366	
2011-02-25-1800	475	-2.219	2/25/11 18:00	-0.00467	367	
2011-02-25-1900	288	-2.891	2/25/11 19:00	-0.01004	368	
2011-02-25-2000	275	-2.887	2/25/11 20:00	-0.0105	369	
2011-02-25-2100	351	-3.521	2/25/11 21:00	-0.01003	370	
2011-02-25-2200	494	1.14	2/25/11 22:00	0.002308	371	
2011-02-25-2300	446	4.113	2/25/11 23:00	0.009222	372	
2011-02-26-0000	642	8.015	2/26/11 0:00	0.012484	373	
2011-02-26-0100	270	3.477	2/26/11 1:00	0.012878	374	
2011-02-26-0200	150	1.777	2/26/11 2:00	0.011847	375	
2011-02-26-0300	296	3.692	2/26/11 3:00	0.012473	376	
2011-02-26-0400	296	3.767	2/26/11 4:00	0.012726	377	
2011-02-26-0500	296	3.947	2/26/11 5:00	0.013334	378	
2011-02-26-0600	491	3.591	2/26/11 6:00	0.007314	379	
2011-02-26-0700	349	-0.925	2/26/11 7:00	-0.00265	380	
2011-02-26-0800	224	-1.439	2/26/11 8:00	-0.00642	381	
2011-02-26-0900	224	-0.795	2/26/11 9:00	-0.00355	382	
2011-02-26-1000	205	-0.138	2/26/11 10:00	-0.00067	383	
2011-02-26-1100	149	-0.437	2/26/11 11:00	-0.00293	384	
2011-02-26-1200	174	-0.621	2/26/11 12:00	-0.00357	385	
2011-02-26-1300	249	0.061	2/26/11 13:00	0.000245	386	
2011-02-26-1400	261	0.468	2/26/11 14:00	0.001793	387	
2011-02-26-1500	261	0.114	2/26/11 15:00	0.000437	388	
2011-02-26-1600	261	1.532	2/26/11 16:00	0.00587	389	
2011-02-26-1700	261	1.736	2/26/11 17:00	0.006651	390	
2011-02-26-1800	261	1.604	2/26/11 18:00	0.006146	391	
2011-02-26-1900	349	1.413	2/26/11 19:00	0.004049	392	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses		0.45%	Average Incremental Loss Factor		
2011-02-26-2000	299	-1.152	2/26/11 20:00	-0.00385	393				
2011-02-26-2100	187	0.209	2/26/11 21:00	0.001118	394				
2011-02-26-2200	261	2.116	2/26/11 22:00	0.008107	395				
2011-02-26-2300	149	1.518	2/26/11 23:00	0.010188	396				
2011-02-27-0000	149	1.284	2/27/11 0:00	0.008617	397				
2011-02-27-1000	298	2.746	2/27/11 10:00	0.009215	398				
2011-02-27-1100	299	2.709	2/27/11 11:00	0.00906	399				
2011-02-27-1200	199	1.378	2/27/11 12:00	0.006925	400				
2011-02-27-1900	424	2.406	2/27/11 19:00	0.005675	401				
2011-02-27-2000	461	3.147	2/27/11 20:00	0.006826	402				
2011-02-27-2100	200	1.834	2/27/11 21:00	0.00917	403				
2011-02-27-2200	206	1.78	2/27/11 22:00	0.008641	404				
2011-02-28-0700	248	1.678	2/28/11 7:00	0.006766	405				
2011-02-28-0800	396	2.917	2/28/11 8:00	0.007366	406				
2011-02-28-1100	351	1.872	2/28/11 11:00	0.005333	407				
2011-02-28-1200	368	1.773	2/28/11 12:00	0.004818	408				
2011-02-28-1300	284	0.857	2/28/11 13:00	0.003018	409				
2011-02-28-1400	437	3.027	2/28/11 14:00	0.006927	410				
2011-02-28-1500	369	2.922	2/28/11 15:00	0.007919	411				
2011-02-28-1600	336	2.92	2/28/11 16:00	0.00869	412				
2011-02-28-1700	286	2.457	2/28/11 17:00	0.008591	413				
2011-02-28-1800	428	2.925	2/28/11 18:00	0.006834	414				
2011-02-28-1900	321	1.347	2/28/11 19:00	0.004196	415				
2011-02-28-2000	308	1.682	2/28/11 20:00	0.005461	416				
2011-02-28-2100	410	1.942	2/28/11 21:00	0.004737	417				
2011-02-28-2200	250	2.004	2/28/11 22:00	0.008016	418				
2011-02-28-2300	249	2.078	2/28/11 23:00	0.008345	419				
2011-03-01-0000	450	3.677	3/1/11 0:00	0.008171	1	419	158,759	314.484	
2011-03-01-0100	324	1.544	3/1/11 1:00	0.004765	2	avg	379	0.751	0.198%
2011-03-01-0200	350	2.408	3/1/11 2:00	0.00688	3				
2011-03-01-0300	374	2.02	3/1/11 3:00	0.005401	4				
2011-03-01-0400	375	1.887	3/1/11 4:00	0.005032	5				
2011-03-01-0500	350	1.614	3/1/11 5:00	0.004611	6				
2011-03-01-0600	374	0.38	3/1/11 6:00	0.001016	7				
2011-03-01-0700	199	-2.041	3/1/11 7:00	-0.01026	8				
2011-03-01-1100	166	-3.279	3/1/11 11:00	-0.01975	9				
2011-03-01-1200	271	-3.731	3/1/11 12:00	-0.01377	10				
2011-03-01-1300	262	-3.78	3/1/11 13:00	-0.01443	11				
2011-03-01-1900	261	0.444	3/1/11 19:00	0.001701	12				
2011-03-01-2000	324	0.056	3/1/11 20:00	0.000173	13				
2011-03-01-2100	324	0.331	3/1/11 21:00	0.001022	14				
2011-03-01-2200	324	-0.612	3/1/11 22:00	-0.00189	15				
2011-03-01-2300	288	1.027	3/1/11 23:00	0.003566	16				
2011-03-02-0000	324	2.005	3/2/11 0:00	0.006188	17				
2011-03-02-0100	277	1.066	3/2/11 1:00	0.003848	18				
2011-03-02-0200	277	0.94	3/2/11 2:00	0.003394	19				
2011-03-02-0300	278	0.722	3/2/11 3:00	0.002597	20				
2011-03-02-0400	170	-0.102	3/2/11 4:00	-0.0006	21				
2011-03-02-0500	182	-0.097	3/2/11 5:00	-0.00053	22				
2011-03-02-0600	149	-0.451	3/2/11 6:00	-0.00303	23				
2011-03-02-0700	337	-1.091	3/2/11 7:00	-0.00324	24				
2011-03-02-0800	137	-2.93	3/2/11 8:00	-0.02139	25				
2011-03-02-0900	124	-3.386	3/2/11 9:00	-0.02731	26				
2011-03-02-1000	249	-5.418	3/2/11 10:00	-0.02176	27				
2011-03-02-1100	149	-3.991	3/2/11 11:00	-0.02679	28				
2011-03-02-1600	149	-3.21	3/2/11 16:00	-0.02154	29				

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-03-02-1800	149	-0.062	3/2/11 18:00	-0.00042	30	
2011-03-02-1900	502	1.401	3/2/11 19:00	0.002791	31	
2011-03-02-2000	531	-0.176	3/2/11 20:00	-0.00033	32	
2011-03-02-2100	451	1.828	3/2/11 21:00	0.004053	33	
2011-03-02-2200	477	2.519	3/2/11 22:00	0.005281	34	
2011-03-02-2300	327	0.901	3/2/11 23:00	0.002755	35	
2011-03-03-0000	350	1.378	3/3/11 0:00	0.003937	36	
2011-03-03-0100	327	0.852	3/3/11 1:00	0.002606	37	
2011-03-03-0200	349	1.284	3/3/11 2:00	0.003679	38	
2011-03-03-0300	367	1.489	3/3/11 3:00	0.004057	39	
2011-03-03-0400	367	1.551	3/3/11 4:00	0.004226	40	
2011-03-03-0500	367	1.337	3/3/11 5:00	0.003643	41	
2011-03-03-0600	299	-1.929	3/3/11 6:00	-0.00645	42	
2011-03-03-1200	249	-0.86	3/3/11 12:00	-0.00345	43	
2011-03-03-1300	249	-1.315	3/3/11 13:00	-0.00528	44	
2011-03-03-1800	287	0.701	3/3/11 18:00	0.002443	45	
2011-03-03-1900	445	-0.86	3/3/11 19:00	-0.00193	46	
2011-03-03-2000	399	-1.628	3/3/11 20:00	-0.00408	47	
2011-03-03-2100	387	-1.505	3/3/11 21:00	-0.00389	48	
2011-03-03-2200	545	-0.501	3/3/11 22:00	-0.00092	49	
2011-03-03-2300	318	1.624	3/3/11 23:00	0.005107	50	
2011-03-04-0000	318	1.588	3/4/11 0:00	0.004994	51	
2011-03-04-0100	308	1.5	3/4/11 1:00	0.00487	52	
2011-03-04-0200	268	1.225	3/4/11 2:00	0.004571	53	
2011-03-04-0600	318	1.066	3/4/11 6:00	0.003352	54	
2011-03-04-0700	499	-0.226	3/4/11 7:00	-0.00045	55	
2011-03-04-0800	504	-1.363	3/4/11 8:00	-0.0027	56	
2011-03-04-0900	576	-0.553	3/4/11 9:00	-0.00096	57	
2011-03-04-1000	526	1.243	3/4/11 10:00	0.002363	58	
2011-03-04-1100	526	1.188	3/4/11 11:00	0.002259	59	
2011-03-04-1200	498	1.706	3/4/11 12:00	0.003426	60	
2011-03-04-1300	384	2.253	3/4/11 13:00	0.005867	61	
2011-03-04-1400	684	-0.433	3/4/11 14:00	-0.00063	62	
2011-03-04-1500	584	0.557	3/4/11 15:00	0.000954	63	
2011-03-04-1600	147	-0.265	3/4/11 16:00	-0.0018	64	
2011-03-04-1800	374	0.809	3/4/11 18:00	0.002163	65	
2011-03-04-1900	484	0.579	3/4/11 19:00	0.001196	66	
2011-03-04-2000	449	-1.566	3/4/11 20:00	-0.00349	67	
2011-03-04-2100	449	-2.413	3/4/11 21:00	-0.00537	68	
2011-03-04-2200	437	-0.302	3/4/11 22:00	-0.00069	69	
2011-03-04-2300	249	0.79	3/4/11 23:00	0.003173	70	
2011-03-05-0000	199	0.312	3/5/11 0:00	0.001568	71	
2011-03-05-0100	149	0.367	3/5/11 1:00	0.002463	72	
2011-03-05-0200	125	0.385	3/5/11 2:00	0.00308	73	
2011-03-05-0700	149	0.024	3/5/11 7:00	0.000161	74	
2011-03-05-0900	298	0.897	3/5/11 9:00	0.00301	75	
2011-03-05-1000	396	1.153	3/5/11 10:00	0.002912	76	
2011-03-05-1100	572	-0.48	3/5/11 11:00	-0.00084	77	
2011-03-05-1200	567	-1.918	3/5/11 12:00	-0.00338	78	
2011-03-05-1300	549	-2.259	3/5/11 13:00	-0.00411	79	
2011-03-05-1400	599	-1.238	3/5/11 14:00	-0.00207	80	
2011-03-05-1500	650	-0.97	3/5/11 15:00	-0.00149	81	
2011-03-05-1600	675	-0.644	3/5/11 16:00	-0.00095	82	
2011-03-05-1700	725	-0.56	3/5/11 17:00	-0.00077	83	
2011-03-05-1800	576	-1.177	3/5/11 18:00	-0.00204	84	
2011-03-05-1900	412	-3.108	3/5/11 19:00	-0.00754	85	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-03-05-2000	299	-3.206	3/5/11 20:00	-0.01072	86	
2011-03-05-2100	213	-2.504	3/5/11 21:00	-0.01176	87	
2011-03-05-2200	246	-1.341	3/5/11 22:00	-0.00545	88	
2011-03-05-2300	424	0.158	3/5/11 23:00	0.000373	89	
2011-03-06-0000	449	1.571	3/6/11 0:00	0.003499	90	
2011-03-06-0100	199	-0.475	3/6/11 1:00	-0.00239	91	
2011-03-06-1100	100	-1.821	3/6/11 11:00	-0.01821	92	
2011-03-06-1200	199	-3.938	3/6/11 12:00	-0.01979	93	
2011-03-06-1300	299	-5.218	3/6/11 13:00	-0.01745	94	
2011-03-06-1400	349	-4.68	3/6/11 14:00	-0.01341	95	
2011-03-06-1500	349	-4.06	3/6/11 15:00	-0.01163	96	
2011-03-06-1600	399	-4.005	3/6/11 16:00	-0.01004	97	
2011-03-06-1700	349	-4.096	3/6/11 17:00	-0.01174	98	
2011-03-06-1800	249	-4.047	3/6/11 18:00	-0.01625	99	
2011-03-07-0000	172	-2.029	3/7/11 0:00	-0.0118	100	
2011-03-07-0100	193	-0.813	3/7/11 1:00	-0.00421	101	
2011-03-07-0200	194	0.785	3/7/11 2:00	0.004046	102	
2011-03-07-0300	299	2.312	3/7/11 3:00	0.007732	103	
2011-03-07-0400	199	0.595	3/7/11 4:00	0.00299	104	
2011-03-07-0500	199	0.073	3/7/11 5:00	0.000367	105	
2011-03-07-0600	218	-2.68	3/7/11 6:00	-0.01229	106	
2011-03-07-1600	175	-2.231	3/7/11 16:00	-0.01275	107	
2011-03-07-1700	102	-1.2	3/7/11 17:00	-0.01176	108	
2011-03-07-1900	196	-2.991	3/7/11 19:00	-0.01526	109	
2011-03-07-2000	104	-1.867	3/7/11 20:00	-0.01795	110	
2011-03-07-2200	230	-4.011	3/7/11 22:00	-0.01744	111	
2011-03-07-2300	209	0.071	3/7/11 23:00	0.00034	112	
2011-03-08-0000	437	4.791	3/8/11 0:00	0.010963	113	
2011-03-08-0100	536	5.905	3/8/11 1:00	0.011017	114	
2011-03-08-0200	136	-0.151	3/8/11 2:00	-0.00111	115	
2011-03-08-0300	135	-1.021	3/8/11 3:00	-0.00756	116	
2011-03-08-0600	250	-0.11	3/8/11 6:00	-0.00044	117	
2011-03-08-0700	293	-5.016	3/8/11 7:00	-0.01712	118	
2011-03-08-0800	299	-4.156	3/8/11 8:00	-0.0139	119	
2011-03-08-0900	289	-3.704	3/8/11 9:00	-0.01282	120	
2011-03-08-1000	299	-2.641	3/8/11 10:00	-0.00883	121	
2011-03-08-1100	349	-2.663	3/8/11 11:00	-0.00763	122	
2011-03-08-1200	307	-0.137	3/8/11 12:00	-0.00045	123	
2011-03-08-1800	400	2.208	3/8/11 18:00	0.00552	124	
2011-03-08-1900	399	2.733	3/8/11 19:00	0.00685	125	
2011-03-08-2000	499	3.401	3/8/11 20:00	0.006816	126	
2011-03-08-2100	549	4.272	3/8/11 21:00	0.007781	127	
2011-03-08-2200	649	5.766	3/8/11 22:00	0.008884	128	
2011-03-09-0700	418	1.802	3/9/11 7:00	0.004311	129	
2011-03-09-0800	524	0.481	3/9/11 8:00	0.000918	130	
2011-03-09-0900	524	0.639	3/9/11 9:00	0.001219	131	
2011-03-09-1000	474	-0.125	3/9/11 10:00	-0.00026	132	
2011-03-09-1100	473	-0.387	3/9/11 11:00	-0.00082	133	
2011-03-09-1200	399	-1.476	3/9/11 12:00	-0.0037	134	
2011-03-09-1300	349	-2.063	3/9/11 13:00	-0.00591	135	
2011-03-09-1400	399	-1.341	3/9/11 14:00	-0.00336	136	
2011-03-09-1500	349	-0.381	3/9/11 15:00	-0.00109	137	
2011-03-09-1600	449	1.975	3/9/11 16:00	0.004399	138	
2011-03-09-1700	349	1.561	3/9/11 17:00	0.004473	139	
2011-03-09-1800	452	2.016	3/9/11 18:00	0.00446	140	
2011-03-09-1900	652	4.434	3/9/11 19:00	0.006801	141	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-03-09-2000	599	0.519	3/9/11 20:00	0.000866	142	
2011-03-09-2100	599	0.473	3/9/11 21:00	0.00079	143	
2011-03-09-2200	699	1.89	3/9/11 22:00	0.002704	144	
2011-03-09-2300	641	4.888	3/9/11 23:00	0.007626	145	
2011-03-10-0000	188	0.589	3/10/11 0:00	0.003133	146	
2011-03-10-0300	206	0.774	3/10/11 3:00	0.003757	147	
2011-03-10-0400	206	0.784	3/10/11 4:00	0.003806	148	
2011-03-10-0500	206	0.959	3/10/11 5:00	0.004655	149	
2011-03-10-0600	206	1.425	3/10/11 6:00	0.006917	150	
2011-03-10-0700	509	0.921	3/10/11 7:00	0.001809	151	
2011-03-10-0800	399	-2.906	3/10/11 8:00	-0.00728	152	
2011-03-10-0900	380	-2.932	3/10/11 9:00	-0.00772	153	
2011-03-10-1000	279	-3.048	3/10/11 10:00	-0.01092	154	
2011-03-10-1100	249	-3.311	3/10/11 11:00	-0.0133	155	
2011-03-10-1200	299	-3.057	3/10/11 12:00	-0.01022	156	
2011-03-10-1300	274	-2.741	3/10/11 13:00	-0.01	157	
2011-03-10-1400	256	-3.213	3/10/11 14:00	-0.01255	158	
2011-03-10-1500	272	-3.343	3/10/11 15:00	-0.01229	159	
2011-03-10-1600	274	-3.201	3/10/11 16:00	-0.01168	160	
2011-03-10-1700	311	-2.414	3/10/11 17:00	-0.00776	161	
2011-03-10-1800	186	-3.204	3/10/11 18:00	-0.01723	162	
2011-03-10-2300	199	-0.976	3/10/11 23:00	-0.0049	163	
2011-03-11-0000	456	-2.154	3/11/11 0:00	-0.00472	164	
2011-03-11-0100	356	-3.365	3/11/11 1:00	-0.00945	165	
2011-03-11-0200	349	-3.061	3/11/11 2:00	-0.00877	166	
2011-03-11-0300	456	-0.84	3/11/11 3:00	-0.00184	167	
2011-03-11-0400	501	-0.509	3/11/11 4:00	-0.00102	168	
2011-03-11-0500	484	-0.603	3/11/11 5:00	-0.00125	169	
2011-03-11-0600	438	-1.535	3/11/11 6:00	-0.0035	170	
2011-03-11-0700	126	-1.556	3/11/11 7:00	-0.01235	171	
2011-03-11-1200	137	-1.638	3/11/11 12:00	-0.01196	172	
2011-03-11-1700	137	-0.902	3/11/11 17:00	-0.00658	173	
2011-03-11-1800	347	-1.532	3/11/11 18:00	-0.00441	174	
2011-03-11-1900	345	-2.129	3/11/11 19:00	-0.00617	175	
2011-03-11-2000	216	-1.751	3/11/11 20:00	-0.00811	176	
2011-03-11-2100	249	-2.486	3/11/11 21:00	-0.00998	177	
2011-03-11-2200	294	-2.618	3/11/11 22:00	-0.0089	178	
2011-03-11-2300	295	-4.261	3/11/11 23:00	-0.01444	179	
2011-03-12-0000	151	-3.058	3/12/11 0:00	-0.02025	180	
2011-03-12-0100	148	-2.988	3/12/11 1:00	-0.02019	181	
2011-03-12-0300	100	-1.785	3/12/11 3:00	-0.01785	182	
2011-03-12-0400	200	-1.818	3/12/11 4:00	-0.00909	183	
2011-03-12-0500	249	-1.299	3/12/11 5:00	-0.00522	184	
2011-03-12-0600	199	-1.838	3/12/11 6:00	-0.00924	185	
2011-03-12-0700	102	-1.679	3/12/11 7:00	-0.01646	186	
2011-03-12-0900	149	-2.561	3/12/11 9:00	-0.01719	187	
2011-03-12-1000	250	-3.718	3/12/11 10:00	-0.01487	188	
2011-03-12-1100	325	-3.817	3/12/11 11:00	-0.01174	189	
2011-03-12-1200	383	-3.318	3/12/11 12:00	-0.00866	190	
2011-03-12-1300	325	-1.711	3/12/11 13:00	-0.00526	191	
2011-03-12-1400	328	1.092	3/12/11 14:00	0.003329	192	
2011-03-12-1500	328	1.527	3/12/11 15:00	0.004655	193	
2011-03-12-1600	328	1.313	3/12/11 16:00	0.004003	194	
2011-03-12-1700	328	1.292	3/12/11 17:00	0.003939	195	
2011-03-12-1800	333	1.339	3/12/11 18:00	0.004021	196	
2011-03-12-1900	371	1.396	3/12/11 19:00	0.003763	197	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-03-12-2000	385	-0.955	3/12/11 20:00	-0.00248	198	
2011-03-12-2100	371	-1.285	3/12/11 21:00	-0.00346	199	
2011-03-12-2200	336	-0.409	3/12/11 22:00	-0.00122	200	
2011-03-12-2300	333	1.174	3/12/11 23:00	0.003526	201	
2011-03-13-0000	328	1.176	3/13/11 0:00	0.003585	202	
2011-03-13-0100	149	-0.427	3/13/11 1:00	-0.00287	203	
2011-03-13-1000	250	0.518	3/13/11 10:00	0.002072	204	
2011-03-13-1100	300	0.717	3/13/11 11:00	0.00239	205	
2011-03-13-1200	300	0.774	3/13/11 12:00	0.00258	206	
2011-03-13-1300	300	0.835	3/13/11 13:00	0.002783	207	
2011-03-13-1400	250	0.679	3/13/11 14:00	0.002716	208	
2011-03-13-1500	249	0.67	3/13/11 15:00	0.002691	209	
2011-03-13-1600	250	0.751	3/13/11 16:00	0.003004	210	
2011-03-13-1700	250	0.691	3/13/11 17:00	0.002764	211	
2011-03-13-1800	380	1.058	3/13/11 18:00	0.002784	212	
2011-03-13-1900	385	-0.477	3/13/11 19:00	-0.00124	213	
2011-03-13-2000	371	-0.933	3/13/11 20:00	-0.00251	214	
2011-03-13-2100	386	-0.379	3/13/11 21:00	-0.00098	215	
2011-03-13-2200	386	1.196	3/13/11 22:00	0.003098	216	
2011-03-13-2300	353	1.401	3/13/11 23:00	0.003969	217	
2011-03-14-0000	328	1.144	3/14/11 0:00	0.003488	218	
2011-03-14-0500	100	0.156	3/14/11 5:00	0.00156	219	
2011-03-14-0600	330	-4.707	3/14/11 6:00	-0.01426	220	
2011-03-14-1800	200	-1.85	3/14/11 18:00	-0.00925	221	
2011-03-14-1900	200	-3.073	3/14/11 19:00	-0.01537	222	
2011-03-14-2000	175	-3.202	3/14/11 20:00	-0.0183	223	
2011-03-14-2100	148	-0.977	3/14/11 21:00	-0.0066	224	
2011-03-15-0400	264	0.929	3/15/11 4:00	0.003519	225	
2011-03-15-0500	264	0.87	3/15/11 5:00	0.003295	226	
2011-03-15-0600	279	0.739	3/15/11 6:00	0.002649	227	
2011-03-15-0700	340	-3.575	3/15/11 7:00	-0.01051	228	
2011-03-15-0800	197	-2.567	3/15/11 8:00	-0.01303	229	
2011-03-15-0900	318	-4.489	3/15/11 9:00	-0.01412	230	
2011-03-15-1000	116	0.267	3/15/11 10:00	0.002302	231	
2011-03-16-0300	150	-2.265	3/16/11 3:00	-0.0151	232	
2011-03-16-0400	319	-2.565	3/16/11 4:00	-0.00804	233	
2011-03-16-0500	169	0.749	3/16/11 5:00	0.004432	234	
2011-03-16-1100	149	-2.456	3/16/11 11:00	-0.01648	235	
2011-03-16-1200	150	-2.435	3/16/11 12:00	-0.01623	236	
2011-03-16-1300	230	0.134	3/16/11 13:00	0.000583	237	
2011-03-16-1400	240	0.418	3/16/11 14:00	0.001742	238	
2011-03-16-1500	240	1.307	3/16/11 15:00	0.005446	239	
2011-03-16-1600	200	0.929	3/16/11 16:00	0.004645	240	
2011-03-16-1700	150	0.523	3/16/11 17:00	0.003487	241	
2011-03-16-1800	233	0.591	3/16/11 18:00	0.002536	242	
2011-03-16-1900	334	1.293	3/16/11 19:00	0.003871	243	
2011-03-16-2000	335	-2.523	3/16/11 20:00	-0.00753	244	
2011-03-16-2100	389	-3.546	3/16/11 21:00	-0.00912	245	
2011-03-16-2200	436	-3.456	3/16/11 22:00	-0.00793	246	
2011-03-17-0500	200	-1.415	3/17/11 5:00	-0.00708	247	
2011-03-17-0600	433	-1.556	3/17/11 6:00	-0.00359	248	
2011-03-17-0700	204	-2.368	3/17/11 7:00	-0.01161	249	
2011-03-17-0900	150	-1.973	3/17/11 9:00	-0.01315	250	
2011-03-17-1000	150	0.142	3/17/11 10:00	0.000947	251	
2011-03-17-1100	200	1.702	3/17/11 11:00	0.00851	252	
2011-03-17-1200	242	1.856	3/17/11 12:00	0.007669	253	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-03-17-1300	242	1.83	3/17/11 13:00	0.007562	254	
2011-03-17-1400	249	1.695	3/17/11 14:00	0.006807	255	
2011-03-17-1500	249	1.331	3/17/11 15:00	0.005345	256	
2011-03-17-1600	249	0.996	3/17/11 16:00	0.004	257	
2011-03-17-1700	249	0.846	3/17/11 17:00	0.003398	258	
2011-03-17-1800	249	0.609	3/17/11 18:00	0.002446	259	
2011-03-17-1900	434	1.533	3/17/11 19:00	0.003532	260	
2011-03-17-2000	272	0.267	3/17/11 20:00	0.000982	261	
2011-03-17-2100	306	-2.254	3/17/11 21:00	-0.00737	262	
2011-03-17-2200	201	-2.712	3/17/11 22:00	-0.01349	263	
2011-03-18-0600	200	0.604	3/18/11 6:00	0.00302	264	
2011-03-18-0700	150	0.183	3/18/11 7:00	0.00122	265	
2011-03-18-0800	150	0.455	3/18/11 8:00	0.003033	266	
2011-03-18-0900	150	1.224	3/18/11 9:00	0.00816	267	
2011-03-18-1000	150	1.085	3/18/11 10:00	0.007233	268	
2011-03-18-1100	150	1.182	3/18/11 11:00	0.00788	269	
2011-03-18-1200	150	1.052	3/18/11 12:00	0.007013	270	
2011-03-18-1300	150	0.739	3/18/11 13:00	0.004927	271	
2011-03-18-1400	150	-0.132	3/18/11 14:00	-0.00088	272	
2011-03-18-1500	150	-0.317	3/18/11 15:00	-0.00211	273	
2011-03-18-1600	150	-0.955	3/18/11 16:00	-0.00637	274	
2011-03-18-1700	150	-1.12	3/18/11 17:00	-0.00747	275	
2011-03-18-1800	148	-1.02	3/18/11 18:00	-0.00689	276	
2011-03-18-1900	149	-0.278	3/18/11 19:00	-0.00187	277	
2011-03-18-2000	175	-0.086	3/18/11 20:00	-0.00049	278	
2011-03-18-2100	200	-0.398	3/18/11 21:00	-0.00199	279	
2011-03-19-0700	248	0.454	3/19/11 7:00	0.001831	280	
2011-03-19-0800	300	0.035	3/19/11 8:00	0.000117	281	
2011-03-19-0900	369	-2.239	3/19/11 9:00	-0.00607	282	
2011-03-19-1000	369	-2.767	3/19/11 10:00	-0.0075	283	
2011-03-19-1100	375	-2.589	3/19/11 11:00	-0.0069	284	
2011-03-19-1200	360	-0.97	3/19/11 12:00	-0.00269	285	
2011-03-19-1300	344	1.806	3/19/11 13:00	0.00525	286	
2011-03-19-1400	344	1.543	3/19/11 14:00	0.004485	287	
2011-03-19-1500	414	1.842	3/19/11 15:00	0.004449	288	
2011-03-19-1600	430	1.809	3/19/11 16:00	0.004207	289	
2011-03-19-1700	407	1.662	3/19/11 17:00	0.004084	290	
2011-03-19-1800	527	2.422	3/19/11 18:00	0.004596	291	
2011-03-19-1900	407	1.467	3/19/11 19:00	0.003604	292	
2011-03-19-2000	451	1.831	3/19/11 20:00	0.00406	293	
2011-03-19-2100	344	1.434	3/19/11 21:00	0.004169	294	
2011-03-19-2200	344	1.292	3/19/11 22:00	0.003756	295	
2011-03-19-2300	344	1.528	3/19/11 23:00	0.004442	296	
2011-03-20-0000	341	1.55	3/20/11 0:00	0.004545	297	
2011-03-20-0100	250	0.971	3/20/11 1:00	0.003884	298	
2011-03-20-0200	246	1.03	3/20/11 2:00	0.004187	299	
2011-03-20-0300	300	1.495	3/20/11 3:00	0.004983	300	
2011-03-20-0400	341	1.644	3/20/11 4:00	0.004821	301	
2011-03-20-0500	250	1.181	3/20/11 5:00	0.004724	302	
2011-03-20-0600	250	1.104	3/20/11 6:00	0.004416	303	
2011-03-20-0700	295	1.315	3/20/11 7:00	0.004458	304	
2011-03-20-0800	439	2.324	3/20/11 8:00	0.005294	305	
2011-03-20-0900	436	2.087	3/20/11 9:00	0.004787	306	
2011-03-20-1000	428	1.757	3/20/11 10:00	0.004105	307	
2011-03-20-1100	337	1.401	3/20/11 11:00	0.004157	308	
2011-03-20-1200	604	2.909	3/20/11 12:00	0.004816	309	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-03-20-1300	536	2.655	3/20/11 13:00	0.004953	310	
2011-03-20-1400	718	3.57	3/20/11 14:00	0.004972	311	
2011-03-20-1500	736	4.104	3/20/11 15:00	0.005576	312	
2011-03-20-1600	792	4.61	3/20/11 16:00	0.005821	313	
2011-03-20-1700	680	4.075	3/20/11 17:00	0.005993	314	
2011-03-20-1800	482	2.759	3/20/11 18:00	0.005724	315	
2011-03-20-1900	507	2.364	3/20/11 19:00	0.004663	316	
2011-03-20-2000	760	1.365	3/20/11 20:00	0.001796	317	
2011-03-20-2100	932	-0.346	3/20/11 21:00	-0.00037	318	
2011-03-20-2200	805	-1.06	3/20/11 22:00	-0.00132	319	
2011-03-20-2300	458	-2.241	3/20/11 23:00	-0.00489	320	
2011-03-21-0000	250	-1.528	3/21/11 0:00	-0.00611	321	
2011-03-21-0200	250	-0.344	3/21/11 2:00	-0.00138	322	
2011-03-21-0300	250	-0.795	3/21/11 3:00	-0.00318	323	
2011-03-21-0400	250	0.422	3/21/11 4:00	0.001688	324	
2011-03-21-0500	250	1.781	3/21/11 5:00	0.007124	325	
2011-03-21-0600	451	2.704	3/21/11 6:00	0.005996	326	
2011-03-21-0700	369	2.777	3/21/11 7:00	0.007526	327	
2011-03-21-0800	348	2.795	3/21/11 8:00	0.008032	328	
2011-03-21-0900	359	2.736	3/21/11 9:00	0.007621	329	
2011-03-21-1000	450	3.789	3/21/11 10:00	0.00842	330	
2011-03-21-1100	450	3.755	3/21/11 11:00	0.008344	331	
2011-03-21-1200	601	5.661	3/21/11 12:00	0.009419	332	
2011-03-21-1300	551	3.996	3/21/11 13:00	0.007252	333	
2011-03-21-1400	751	2.205	3/21/11 14:00	0.002936	334	
2011-03-21-1500	706	2.014	3/21/11 15:00	0.002853	335	
2011-03-21-1600	554	0.288	3/21/11 16:00	0.00052	336	
2011-03-21-1700	560	0.222	3/21/11 17:00	0.000396	337	
2011-03-21-1800	751	2.99	3/21/11 18:00	0.003981	338	
2011-03-21-1900	450	1.741	3/21/11 19:00	0.003869	339	
2011-03-21-2000	250	1.363	3/21/11 20:00	0.005452	340	
2011-03-21-2100	250	1.916	3/21/11 21:00	0.007664	341	
2011-03-21-2200	250	1.609	3/21/11 22:00	0.006436	342	
2011-03-21-2300	219	1.284	3/21/11 23:00	0.005863	343	
2011-03-22-0600	425	2.769	3/22/11 6:00	0.006515	344	
2011-03-22-0700	748	2.041	3/22/11 7:00	0.002729	345	
2011-03-22-0800	575	0.165	3/22/11 8:00	0.000287	346	
2011-03-22-0900	425	-0.808	3/22/11 9:00	-0.0019	347	
2011-03-22-1000	425	-0.762	3/22/11 10:00	-0.00179	348	
2011-03-22-1100	375	-2.085	3/22/11 11:00	-0.00556	349	
2011-03-22-1200	325	-2.483	3/22/11 12:00	-0.00764	350	
2011-03-22-1300	425	-4.077	3/22/11 13:00	-0.00959	351	
2011-03-22-1400	299	-2.59	3/22/11 14:00	-0.00866	352	
2011-03-22-1500	400	-4.155	3/22/11 15:00	-0.01039	353	
2011-03-22-1600	299	-3.228	3/22/11 16:00	-0.0108	354	
2011-03-22-1700	316	-3.579	3/22/11 17:00	-0.01133	355	
2011-03-22-1800	462	-0.655	3/22/11 18:00	-0.00142	356	
2011-03-23-0500	390	2.379	3/23/11 5:00	0.0061	357	
2011-03-23-0600	273	1.423	3/23/11 6:00	0.005212	358	
2011-03-23-0700	166	0.712	3/23/11 7:00	0.004289	359	
2011-03-23-0900	100	-0.052	3/23/11 9:00	-0.00052	360	
2011-03-23-1000	150	0.135	3/23/11 10:00	0.0009	361	
2011-03-23-1100	159	-0.257	3/23/11 11:00	-0.00162	362	
2011-03-23-1200	155	-0.463	3/23/11 12:00	-0.00299	363	
2011-03-23-1500	150	-0.592	3/23/11 15:00	-0.00395	364	
2011-03-23-1600	196	-1.234	3/23/11 16:00	-0.0063	365	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-03-23-1700	400	-4.325	3/23/11 17:00	-0.01081	366	
2011-03-23-1800	550	-4.976	3/23/11 18:00	-0.00905	367	
2011-03-23-1900	449	-4.409	3/23/11 19:00	-0.00982	368	
2011-03-23-2000	375	-3.97	3/23/11 20:00	-0.01059	369	
2011-03-23-2100	400	-5.338	3/23/11 21:00	-0.01335	370	
2011-03-23-2200	350	-4.945	3/23/11 22:00	-0.01413	371	
2011-03-23-2300	350	2.127	3/23/11 23:00	0.006077	372	
2011-03-24-0000	350	2.881	3/24/11 0:00	0.008231	373	
2011-03-24-0100	350	2.863	3/24/11 1:00	0.00818	374	
2011-03-24-0200	350	2.218	3/24/11 2:00	0.006337	375	
2011-03-24-0300	350	2.556	3/24/11 3:00	0.007303	376	
2011-03-24-0400	350	2.744	3/24/11 4:00	0.00784	377	
2011-03-24-0500	346	2.478	3/24/11 5:00	0.007162	378	
2011-03-24-0600	400	-0.554	3/24/11 6:00	-0.00139	379	
2011-03-24-0700	175	-1.309	3/24/11 7:00	-0.00748	380	
2011-03-25-0000	187	1.579	3/25/11 0:00	0.008444	381	
2011-03-25-0400	200	2.112	3/25/11 4:00	0.01056	382	
2011-03-25-0500	300	3.352	3/25/11 5:00	0.011173	383	
2011-03-26-0400	100	0.968	3/26/11 4:00	0.00968	384	
2011-03-26-0500	100	0.553	3/26/11 5:00	0.00553	385	
2011-03-26-1400	100	-0.189	3/26/11 14:00	-0.00189	386	
2011-03-26-1500	200	0.736	3/26/11 15:00	0.00368	387	
2011-03-26-1600	200	0.96	3/26/11 16:00	0.0048	388	
2011-03-26-1700	150	0.849	3/26/11 17:00	0.00566	389	
2011-03-27-0500	150	1.57	3/27/11 5:00	0.010467	390	
2011-03-27-1500	124	1.854	3/27/11 15:00	0.014952	391	
2011-03-27-1600	242	2.698	3/27/11 16:00	0.011149	392	
2011-03-27-1700	117	1.575	3/27/11 17:00	0.013462	393	
2011-03-27-1800	145	1.714	3/27/11 18:00	0.011821	394	
2011-03-27-1900	209	1.169	3/27/11 19:00	0.005593	395	
2011-03-27-2300	125	-0.361	3/27/11 23:00	-0.00289	396	
2011-03-28-0000	225	0.96	3/28/11 0:00	0.004267	397	
2011-03-28-0100	200	2.889	3/28/11 1:00	0.014445	398	
2011-03-28-0200	200	3.177	3/28/11 2:00	0.015885	399	
2011-03-28-0300	200	2.978	3/28/11 3:00	0.01489	400	
2011-03-28-0400	200	2.086	3/28/11 4:00	0.01043	401	
2011-03-30-0200	276	0.088	3/30/11 2:00	0.000319	402	
2011-03-30-0300	281	0.138	3/30/11 3:00	0.000491	403	
2011-03-30-0400	355	0.549	3/30/11 4:00	0.001546	404	
2011-03-30-0500	180	-0.171	3/30/11 5:00	-0.00095	405	
2011-03-30-2100	100	-0.094	3/30/11 21:00	-0.00094	406	
2011-03-30-2200	200	0.152	3/30/11 22:00	0.00076	407	
2011-03-30-2300	300	1.886	3/30/11 23:00	0.006287	408	
2011-03-31-0000	280	2.621	3/31/11 0:00	0.009361	409	
2011-03-31-0100	200	0.79	3/31/11 1:00	0.00395	410	
2011-03-31-0500	300	1.438	3/31/11 5:00	0.004793	411	
2011-03-31-0600	199	-0.007	3/31/11 6:00	-3.5E-05	412	
2011-03-31-1200	197	-1.753	3/31/11 12:00	-0.0089	413	
2011-03-31-1300	247	-2.289	3/31/11 13:00	-0.00927	414	
2011-03-31-1400	380	-1.963	3/31/11 14:00	-0.00517	415	
2011-03-31-1500	279	-1.93	3/31/11 15:00	-0.00692	416	
2011-03-31-1600	280	-2.787	3/31/11 16:00	-0.00995	417	
2011-03-31-1700	480	-2.777	3/31/11 17:00	-0.00579	418	
2011-03-31-1800	279	-3.244	3/31/11 18:00	-0.01163	419	
2011-03-31-1900	318	-3.747	3/31/11 19:00	-0.01178	420	
2011-03-31-2000	328	-2.117	3/31/11 20:00	-0.00645	421	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses		Average Incremental Loss Factor			
						0.45%			
2011-03-31-2100	226	-2.725	3/31/11 21:00	-0.01206	422				
2011-03-31-2200	326	-4.101	3/31/11 22:00	-0.01258	423				
2011-03-31-2300	300	-1.055	3/31/11 23:00	-0.00352	424				
2011-04-01-0000	230	1.224	4/1/11 0:00	0.005322	1	424	136,987	-63	
2011-04-01-0100	188	1.514	4/1/11 1:00	0.008053	2	avg	323	-0.149	-0.046%
2011-04-01-0200	249	1.896	4/1/11 2:00	0.007614	3				
2011-04-01-0300	249	1.643	4/1/11 3:00	0.006598	4				
2011-04-01-0400	249	1.713	4/1/11 4:00	0.00688	5				
2011-04-01-0500	349	2.825	4/1/11 5:00	0.008095	6				
2011-04-01-0600	213	-1.499	4/1/11 6:00	-0.00704	7				
2011-04-01-0900	199	-0.866	4/1/11 9:00	-0.00435	8				
2011-04-01-1000	348	2.965	4/1/11 10:00	0.00852	9				
2011-04-01-1100	479	3.862	4/1/11 11:00	0.008063	10				
2011-04-01-1200	429	3.903	4/1/11 12:00	0.009098	11				
2011-04-01-1300	279	2.527	4/1/11 13:00	0.009057	12				
2011-04-01-1400	279	2.101	4/1/11 14:00	0.00753	13				
2011-04-01-1500	279	2.103	4/1/11 15:00	0.007538	14				
2011-04-01-1600	249	1.664	4/1/11 16:00	0.006683	15				
2011-04-01-1700	249	1.48	4/1/11 17:00	0.005944	16				
2011-04-01-1800	249	1.338	4/1/11 18:00	0.005373	17				
2011-04-01-1900	249	1.294	4/1/11 19:00	0.005197	18				
2011-04-01-2000	247	1.473	4/1/11 20:00	0.005964	19				
2011-04-01-2100	249	1.723	4/1/11 21:00	0.00692	20				
2011-04-01-2200	325	1.558	4/1/11 22:00	0.004794	21				
2011-04-02-0000	199	1.084	4/2/11 0:00	0.005447	22				
2011-04-02-1900	149	0.513	4/2/11 19:00	0.003443	23				
2011-04-02-2200	136	0.308	4/2/11 22:00	0.002265	24				
2011-04-02-2300	249	1.391	4/2/11 23:00	0.005586	25				
2011-04-03-0000	348	2.847	4/3/11 0:00	0.008181	26				
2011-04-03-0100	149	1.061	4/3/11 1:00	0.007121	27				
2011-04-03-0200	151	0.856	4/3/11 2:00	0.005669	28				
2011-04-03-0300	249	1.827	4/3/11 3:00	0.007337	29				
2011-04-03-0500	248	1.922	4/3/11 5:00	0.00775	30				
2011-04-03-0600	334	2.991	4/3/11 6:00	0.008955	31				
2011-04-03-0700	418	3.707	4/3/11 7:00	0.008868	32				
2011-04-03-0800	399	3.622	4/3/11 8:00	0.009078	33				
2011-04-03-0900	399	3.433	4/3/11 9:00	0.008604	34				
2011-04-03-1000	419	3.268	4/3/11 10:00	0.0078	35				
2011-04-03-1100	394	3.02	4/3/11 11:00	0.007665	36				
2011-04-03-1200	369	2.901	4/3/11 12:00	0.007862	37				
2011-04-03-1300	369	3.174	4/3/11 13:00	0.008602	38				
2011-04-03-1400	369	3.223	4/3/11 14:00	0.008734	39				
2011-04-03-1500	369	3.158	4/3/11 15:00	0.008558	40				
2011-04-03-1600	369	3.493	4/3/11 16:00	0.009466	41				
2011-04-03-1700	370	3.445	4/3/11 17:00	0.009311	42				
2011-04-03-1800	469	4.353	4/3/11 18:00	0.009281	43				
2011-04-03-1900	387	3.224	4/3/11 19:00	0.008331	44				
2011-04-03-2000	200	0.9	4/3/11 20:00	0.0045	45				
2011-04-03-2100	199	0.428	4/3/11 21:00	0.002151	46				
2011-04-03-2200	224	1.201	4/3/11 22:00	0.005362	47				
2011-04-03-2300	299	1.606	4/3/11 23:00	0.005371	48				
2011-04-04-0000	300	1.417	4/4/11 0:00	0.004723	49				
2011-04-04-0100	100	0.337	4/4/11 1:00	0.00337	50				
2011-04-05-0000	225	2.478	4/5/11 0:00	0.011013	51				
2011-04-05-0100	199	1.462	4/5/11 1:00	0.007347	52				
2011-04-06-0400	149	0.57	4/6/11 4:00	0.003826	53				

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-04-06-2300	130	0.218	4/6/11 23:00	0.001677	54	
2011-04-11-2300	249	2.099	4/11/11 23:00	0.00843	55	
2011-04-12-0600	349	1.456	4/12/11 6:00	0.004172	56	
2011-04-13-2300	149	0.691	4/13/11 23:00	0.004638	57	
2011-04-14-2300	199	0.806	4/14/11 23:00	0.00405	58	
2011-04-15-0500	299	1.758	4/15/11 5:00	0.00588	59	
2011-04-15-0600	299	2.321	4/15/11 6:00	0.007763	60	
2011-04-15-0700	137	1.264	4/15/11 7:00	0.009226	61	
2011-04-15-1700	149	1.598	4/15/11 17:00	0.010725	62	
2011-04-15-1800	199	2.101	4/15/11 18:00	0.010558	63	
2011-04-15-1900	199	1.63	4/15/11 19:00	0.008191	64	
2011-04-15-2000	149	1.408	4/15/11 20:00	0.00945	65	
2011-04-15-2200	149	1.642	4/15/11 22:00	0.01102	66	
2011-04-16-0000	199	1.523	4/16/11 0:00	0.007653	67	
2011-04-16-0400	149	0.196	4/16/11 4:00	0.001315	68	
2011-04-16-0500	247	0.517	4/16/11 5:00	0.002093	69	
2011-04-17-0600	199	-0.164	4/17/11 6:00	-0.00082	70	
2011-04-17-0700	149	-0.155	4/17/11 7:00	-0.00104	71	
2011-04-17-1200	199	0.192	4/17/11 12:00	0.000965	72	
2011-04-17-1300	319	1.213	4/17/11 13:00	0.003803	73	
2011-04-17-1400	318	1.429	4/17/11 14:00	0.004494	74	
2011-04-17-1700	199	0.25	4/17/11 17:00	0.001256	75	
2011-04-17-1800	434	3.084	4/17/11 18:00	0.007106	76	
2011-04-17-1900	299	2.145	4/17/11 19:00	0.007174	77	
2011-04-17-2000	249	1.278	4/17/11 20:00	0.005133	78	
2011-04-17-2100	249	0.778	4/17/11 21:00	0.003124	79	
2011-04-17-2200	249	0.536	4/17/11 22:00	0.002153	80	
2011-04-17-2300	299	0.877	4/17/11 23:00	0.002933	81	
2011-04-18-0000	299	1.024	4/18/11 0:00	0.003425	82	
2011-04-18-0500	199	0.002	4/18/11 5:00	1.01E-05	83	
2011-04-18-0600	149	-0.747	4/18/11 6:00	-0.00501	84	
2011-04-19-0600	149	-0.362	4/19/11 6:00	-0.00243	85	
2011-04-22-2100	150	-0.142	4/22/11 21:00	-0.00095	86	
2011-04-22-2200	150	-0.376	4/22/11 22:00	-0.00251	87	
2011-04-22-2300	217	0.431	4/22/11 23:00	0.001986	88	
2011-04-23-0200	140	0.478	4/23/11 2:00	0.003414	89	
2011-04-23-0500	239	0.964	4/23/11 5:00	0.004033	90	
2011-04-23-0600	365	1.594	4/23/11 6:00	0.004367	91	
2011-04-23-0700	235	0.517	4/23/11 7:00	0.0022	92	
2011-04-23-0800	228	0.365	4/23/11 8:00	0.001601	93	
2011-04-23-0900	178	-0.61	4/23/11 9:00	-0.00343	94	
2011-04-23-2100	112	-0.27	4/23/11 21:00	-0.00241	95	
2011-04-23-2200	211	0.209	4/23/11 22:00	0.000991	96	
2011-04-23-2300	111	0.197	4/23/11 23:00	0.001775	97	
2011-04-24-0000	106	0.261	4/24/11 0:00	0.002462	98	
2011-04-24-0200	100	0.343	4/24/11 2:00	0.00343	99	
2011-04-24-0300	200	0.591	4/24/11 3:00	0.002955	100	
2011-04-24-0400	200	0.584	4/24/11 4:00	0.00292	101	
2011-04-24-0500	197	0.616	4/24/11 5:00	0.003127	102	
2011-04-24-0600	200	0.664	4/24/11 6:00	0.00332	103	
2011-04-24-0700	384	0.621	4/24/11 7:00	0.001617	104	
2011-04-24-0800	585	1.036	4/24/11 8:00	0.001771	105	
2011-04-24-0900	650	1.195	4/24/11 9:00	0.001838	106	
2011-04-24-1000	656	1.807	4/24/11 10:00	0.002755	107	
2011-04-24-1100	656	2.119	4/24/11 11:00	0.00323	108	
2011-04-24-1200	805	2.971	4/24/11 12:00	0.003691	109	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-04-24-1300	658	1.773	4/24/11 13:00	0.002695	110	
2011-04-24-1400	682	2.035	4/24/11 14:00	0.002984	111	
2011-04-24-1500	749	2.537	4/24/11 15:00	0.003387	112	
2011-04-24-1600	607	1.183	4/24/11 16:00	0.001949	113	
2011-04-24-1700	602	1.086	4/24/11 17:00	0.001804	114	
2011-04-24-1800	693	1.426	4/24/11 18:00	0.002058	115	
2011-04-24-1900	726	1.296	4/24/11 19:00	0.001785	116	
2011-04-24-2000	631	0.32	4/24/11 20:00	0.000507	117	
2011-04-24-2100	439	-1.164	4/24/11 21:00	-0.00265	118	
2011-04-24-2200	489	-0.352	4/24/11 22:00	-0.00072	119	
2011-04-24-2300	250	0.87	4/24/11 23:00	0.00348	120	
2011-04-25-0000	250	1.131	4/25/11 0:00	0.004524	121	
2011-04-25-0100	250	1.225	4/25/11 1:00	0.0049	122	
2011-04-25-0600	250	-0.179	4/25/11 6:00	-0.00072	123	
2011-04-25-0700	200	-1.714	4/25/11 7:00	-0.00857	124	
2011-04-27-0100	100	-0.081	4/27/11 1:00	-0.00081	125	
2011-04-27-0200	102	0.128	4/27/11 2:00	0.001255	126	
2011-04-28-0700	100	-1.329	4/28/11 7:00	-0.01329	127	
2011-04-29-0000	100	-0.673	4/29/11 0:00	-0.00673	128	
2011-04-29-1900	100	-1.686	4/29/11 19:00	-0.01686	129	
2011-04-29-2000	199	-1.217	4/29/11 20:00	-0.00612	130	
2011-04-29-2100	200	-1.285	4/29/11 21:00	-0.00643	131	
2011-04-29-2200	100	-1.517	4/29/11 22:00	-0.01517	132	
2011-04-29-2300	100	0.147	4/29/11 23:00	0.00147	133	
2011-04-30-0800	299	1.394	4/30/11 8:00	0.004662	134	
2011-04-30-0900	310	0.317	4/30/11 9:00	0.001023	135	
2011-04-30-1000	200	0.204	4/30/11 10:00	0.00102	136	
2011-04-30-1300	100	-0.085	4/30/11 13:00	-0.00085	137	
2011-04-30-1400	150	0.398	4/30/11 14:00	0.002653	138	
2011-04-30-1500	200	0.793	4/30/11 15:00	0.003965	139	
2011-04-30-1600	199	0.801	4/30/11 16:00	0.004025	140	
2011-04-30-1700	300	1.485	4/30/11 17:00	0.00495	141	
2011-04-30-1800	400	-0.172	4/30/11 18:00	-0.00043	142	
2011-04-30-1900	400	-0.973	4/30/11 19:00	-0.00243	143	
2011-04-30-2000	350	-1.519	4/30/11 20:00	-0.00434	144	
2011-04-30-2100	425	-0.177	4/30/11 21:00	-0.00042	145	
2011-04-30-2200	425	1.615	4/30/11 22:00	0.0038	146	
2011-05-01-0900	358	1.654	5/1/11 9:00	0.00462	1	146
2011-05-01-1000	506	3.477	5/1/11 10:00	0.006872	2	41,662
2011-05-01-1100	507	3.406	5/1/11 11:00	0.006718	3	162
2011-05-01-1200	507	3.223	5/1/11 12:00	0.006357	4	avg 285
2011-05-01-1300	525	2.585	5/1/11 13:00	0.004924	5	1.113
2011-05-01-1400	511	2.39	5/1/11 14:00	0.004677	6	0.390%
2011-05-01-1500	510	2.244	5/1/11 15:00	0.0044	7	
2011-05-01-1600	298	1.826	5/1/11 16:00	0.006128	8	
2011-05-01-1700	398	2.054	5/1/11 17:00	0.005161	9	
2011-05-01-1800	398	0.612	5/1/11 18:00	0.001538	10	
2011-05-01-1900	398	0.538	5/1/11 19:00	0.001352	11	
2011-05-01-2000	298	-0.427	5/1/11 20:00	-0.00143	12	
2011-05-01-2100	298	-0.273	5/1/11 21:00	-0.00092	13	
2011-05-01-2200	398	0.911	5/1/11 22:00	0.002289	14	
2011-05-01-2300	598	3.459	5/1/11 23:00	0.005784	15	
2011-05-02-0000	498	3.13	5/2/11 0:00	0.006285	16	
2011-05-02-0500	298	-0.229	5/2/11 5:00	-0.00077	17	
2011-05-02-0600	559	-1.756	5/2/11 6:00	-0.00314	18	
2011-05-02-0700	286	-4.226	5/2/11 7:00	-0.01478	19	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-05-02-0800	136	-1.692	5/2/11 8:00	-0.01244	20	
2011-05-02-0900	148	-1.753	5/2/11 9:00	-0.01184	21	
2011-05-02-1200	148	-0.242	5/2/11 12:00	-0.00164	22	
2011-05-02-1300	148	0.236	5/2/11 13:00	0.001595	23	
2011-05-02-1400	148	-0.465	5/2/11 14:00	-0.00314	24	
2011-05-02-1500	148	0.087	5/2/11 15:00	0.000588	25	
2011-05-02-1600	248	-1.31	5/2/11 16:00	-0.00528	26	
2011-05-02-1700	198	-1.318	5/2/11 17:00	-0.00666	27	
2011-05-02-1800	198	-1.405	5/2/11 18:00	-0.0071	28	
2011-05-02-1900	186	-1.131	5/2/11 19:00	-0.00608	29	
2011-05-02-2000	298	-3.815	5/2/11 20:00	-0.0128	30	
2011-05-02-2100	148	-1.386	5/2/11 21:00	-0.00936	31	
2011-05-02-2200	236	-4.021	5/2/11 22:00	-0.01704	32	
2011-05-02-2300	349	-1.091	5/2/11 23:00	-0.00313	33	
2011-05-03-0000	248	1.433	5/3/11 0:00	0.005778	34	
2011-05-03-0100	199	0.734	5/3/11 1:00	0.003688	35	
2011-05-03-0200	200	0.445	5/3/11 2:00	0.002225	36	
2011-05-03-0300	198	0.289	5/3/11 3:00	0.00146	37	
2011-05-03-0400	199	0.273	5/3/11 4:00	0.001372	38	
2011-05-03-0500	399	1.232	5/3/11 5:00	0.003088	39	
2011-05-03-0600	499	-2.766	5/3/11 6:00	-0.00554	40	
2011-05-03-0700	199	-1.394	5/3/11 7:00	-0.00701	41	
2011-05-03-1200	150	0.837	5/3/11 12:00	0.00558	42	
2011-05-03-1300	150	0.787	5/3/11 13:00	0.005247	43	
2011-05-03-1400	150	0.81	5/3/11 14:00	0.0054	44	
2011-05-03-1500	150	0.808	5/3/11 15:00	0.005387	45	
2011-05-03-1600	150	0.881	5/3/11 16:00	0.005873	46	
2011-05-04-0000	169	0.24	5/4/11 0:00	0.00142	47	
2011-05-04-1900	199	-4.039	5/4/11 19:00	-0.0203	48	
2011-05-04-2000	107	-1.504	5/4/11 20:00	-0.01406	49	
2011-05-06-0600	199	-2.305	5/6/11 6:00	-0.01158	50	
2011-05-06-0900	125	-2.247	5/6/11 9:00	-0.01798	51	
2011-05-06-1000	125	-2.203	5/6/11 10:00	-0.01762	52	
2011-05-06-1100	210	-1.808	5/6/11 11:00	-0.00861	53	
2011-05-06-1200	279	-0.868	5/6/11 12:00	-0.00311	54	
2011-05-06-1300	458	0.522	5/6/11 13:00	0.00114	55	
2011-05-06-1400	393	-0.607	5/6/11 14:00	-0.00154	56	
2011-05-06-1500	400	0.215	5/6/11 15:00	0.000538	57	
2011-05-06-1600	400	1.21	5/6/11 16:00	0.003025	58	
2011-05-06-1700	500	2.578	5/6/11 17:00	0.005156	59	
2011-05-06-1800	722	9	5/6/11 18:00	0.012465	60	
2011-05-06-1900	859	9.508	5/6/11 19:00	0.011069	61	
2011-05-06-2000	846	9.84	5/6/11 20:00	0.011631	62	
2011-05-06-2100	500	6.237	5/6/11 21:00	0.012474	63	
2011-05-07-0700	250	1.831	5/7/11 7:00	0.007324	64	
2011-05-07-0800	300	2.508	5/7/11 8:00	0.00836	65	
2011-05-07-0900	300	2.254	5/7/11 9:00	0.007513	66	
2011-05-07-1000	450	3.377	5/7/11 10:00	0.007504	67	
2011-05-07-1100	400	3.17	5/7/11 11:00	0.007925	68	
2011-05-07-1200	250	2.336	5/7/11 12:00	0.009344	69	
2011-05-07-1300	300	3.466	5/7/11 13:00	0.011553	70	
2011-05-07-1400	349	3.747	5/7/11 14:00	0.010736	71	
2011-05-07-1500	549	5.804	5/7/11 15:00	0.010572	72	
2011-05-07-1600	525	5.342	5/7/11 16:00	0.010175	73	
2011-05-07-1700	425	3.985	5/7/11 17:00	0.009376	74	
2011-05-07-1800	425	4.034	5/7/11 18:00	0.009492	75	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-05-07-1900	627	6.264	5/7/11 19:00	0.00999	76	
2011-05-07-2000	676	7.259	5/7/11 20:00	0.010738	77	
2011-05-07-2100	880	9.033	5/7/11 21:00	0.010265	78	
2011-05-07-2200	750	8.218	5/7/11 22:00	0.010957	79	
2011-05-07-2300	612	5.698	5/7/11 23:00	0.00931	80	
2011-05-08-0000	400	3.235	5/8/11 0:00	0.008088	81	
2011-05-08-0900	100	0.746	5/8/11 9:00	0.00746	82	
2011-05-08-1000	300	2.242	5/8/11 10:00	0.007473	83	
2011-05-08-1100	300	2.257	5/8/11 11:00	0.007523	84	
2011-05-08-1200	390	3.33	5/8/11 12:00	0.008538	85	
2011-05-08-1300	500	5.44	5/8/11 13:00	0.01088	86	
2011-05-08-1400	800	9.411	5/8/11 14:00	0.011764	87	
2011-05-08-1500	800	10.519	5/8/11 15:00	0.013149	88	
2011-05-08-1600	750	8.468	5/8/11 16:00	0.011291	89	
2011-05-08-1700	650	7.862	5/8/11 17:00	0.012095	90	
2011-05-08-1800	460	4.417	5/8/11 18:00	0.009602	91	
2011-05-08-1900	454	4.303	5/8/11 19:00	0.009478	92	
2011-05-08-2000	460	4.144	5/8/11 20:00	0.009009	93	
2011-05-08-2100	460	4.428	5/8/11 21:00	0.009626	94	
2011-05-08-2200	525	7.005	5/8/11 22:00	0.013343	95	
2011-05-08-2300	785	8.844	5/8/11 23:00	0.011266	96	
2011-05-09-0000	600	5.518	5/9/11 0:00	0.009197	97	
2011-05-09-0100	300	1.96	5/9/11 1:00	0.006533	98	
2011-05-09-0600	413	2.338	5/9/11 6:00	0.005661	99	
2011-05-09-0700	708	4.314	5/9/11 7:00	0.006093	100	
2011-05-09-0800	650	5.088	5/9/11 8:00	0.007828	101	
2011-05-09-0900	703	3.924	5/9/11 9:00	0.005582	102	
2011-05-09-1000	650	1.488	5/9/11 10:00	0.002289	103	
2011-05-09-1100	550	-0.234	5/9/11 11:00	-0.00043	104	
2011-05-09-1200	445	-1.797	5/9/11 12:00	-0.00404	105	
2011-05-09-1300	300	-3.319	5/9/11 13:00	-0.01106	106	
2011-05-09-1400	299	-2.892	5/9/11 14:00	-0.00967	107	
2011-05-09-1500	400	-1.289	5/9/11 15:00	-0.00322	108	
2011-05-09-1600	164	1.606	5/9/11 16:00	0.009793	109	
2011-05-09-1700	153	0.339	5/9/11 17:00	0.002216	110	
2011-05-09-1800	150	0.461	5/9/11 18:00	0.003073	111	
2011-05-09-1900	187	0.274	5/9/11 19:00	0.001465	112	
2011-05-09-2000	196	1.14	5/9/11 20:00	0.005816	113	
2011-05-09-2100	164	0.706	5/9/11 21:00	0.004305	114	
2011-05-09-2200	199	1.916	5/9/11 22:00	0.009628	115	
2011-05-10-0600	390	-0.707	5/10/11 6:00	-0.00181	116	
2011-05-10-0700	325	-2.348	5/10/11 7:00	-0.00722	117	
2011-05-10-0800	300	-2.531	5/10/11 8:00	-0.00844	118	
2011-05-11-0000	228	-1.738	5/11/11 0:00	-0.00762	119	
2011-05-11-0500	400	0.941	5/11/11 5:00	0.002353	120	
2011-05-11-0600	301	-2.289	5/11/11 6:00	-0.0076	121	
2011-05-11-0700	251	-4.968	5/11/11 7:00	-0.01979	122	
2011-05-12-0000	100	-1.671	5/12/11 0:00	-0.01671	123	
2011-05-12-0100	200	0.517	5/12/11 1:00	0.002585	124	
2011-05-12-0200	396	2.848	5/12/11 2:00	0.007192	125	
2011-05-12-0300	400	2.799	5/12/11 3:00	0.006998	126	
2011-05-12-0400	400	2.606	5/12/11 4:00	0.006515	127	
2011-05-12-0500	400	2.655	5/12/11 5:00	0.006638	128	
2011-05-12-0600	101	-0.748	5/12/11 6:00	-0.00741	129	
2011-05-13-0100	198	0.772	5/13/11 1:00	0.003899	130	
2011-05-13-0200	161	0.655	5/13/11 2:00	0.004068	131	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-05-13-0500	198	0.799	5/13/11 5:00	0.004035	132	
2011-05-13-0600	433	3.358	5/13/11 6:00	0.007755	133	
2011-05-13-0700	366	2.652	5/13/11 7:00	0.007246	134	
2011-05-13-0800	453	1.328	5/13/11 8:00	0.002932	135	
2011-05-13-0900	363	-3.05	5/13/11 9:00	-0.0084	136	
2011-05-13-1000	188	-3.378	5/13/11 10:00	-0.01797	137	
2011-05-13-1100	124	-0.403	5/13/11 11:00	-0.00325	138	
2011-05-13-1200	138	-0.298	5/13/11 12:00	-0.00216	139	
2011-05-13-1300	100	0.162	5/13/11 13:00	0.00162	140	
2011-05-13-1600	145	-0.406	5/13/11 16:00	-0.0028	141	
2011-05-13-1800	125	-2.465	5/13/11 18:00	-0.01972	142	
2011-05-13-1900	188	-2.874	5/13/11 19:00	-0.01529	143	
2011-05-13-2000	193	-0.714	5/13/11 20:00	-0.0037	144	
2011-05-13-2100	147	-0.738	5/13/11 21:00	-0.00502	145	
2011-05-13-2300	197	-1.165	5/13/11 23:00	-0.00591	146	
2011-05-14-0000	197	0.512	5/14/11 0:00	0.002599	147	
2011-05-14-0300	100	-0.087	5/14/11 3:00	-0.00087	148	
2011-05-14-0400	100	-0.106	5/14/11 4:00	-0.00106	149	
2011-05-14-0600	100	-0.234	5/14/11 6:00	-0.00234	150	
2011-05-14-0800	200	-0.106	5/14/11 8:00	-0.00053	151	
2011-05-14-0900	325	-0.245	5/14/11 9:00	-0.00075	152	
2011-05-14-1000	325	-3.174	5/14/11 10:00	-0.00977	153	
2011-05-14-1100	163	-2.162	5/14/11 11:00	-0.01326	154	
2011-05-14-1200	200	-2.898	5/14/11 12:00	-0.01449	155	
2011-05-14-1300	228	-3.872	5/14/11 13:00	-0.01698	156	
2011-05-14-1400	287	-3.97	5/14/11 14:00	-0.01383	157	
2011-05-14-1500	375	-5.469	5/14/11 15:00	-0.01458	158	
2011-05-14-1600	150	-2.517	5/14/11 16:00	-0.01678	159	
2011-05-14-1700	150	-2.887	5/14/11 17:00	-0.01925	160	
2011-05-14-1800	250	-4.03	5/14/11 18:00	-0.01612	161	
2011-05-14-1900	200	-3.212	5/14/11 19:00	-0.01606	162	
2011-05-14-2000	200	-3.413	5/14/11 20:00	-0.01707	163	
2011-05-15-1000	100	-0.014	5/15/11 10:00	-0.00014	164	
2011-05-15-1100	100	-0.019	5/15/11 11:00	-0.00019	165	
2011-05-15-1200	100	0.064	5/15/11 12:00	0.00064	166	
2011-05-15-1300	300	1.531	5/15/11 13:00	0.005103	167	
2011-05-15-1400	300	1.581	5/15/11 14:00	0.00527	168	
2011-05-15-1500	300	1.472	5/15/11 15:00	0.004907	169	
2011-05-15-1600	300	1.522	5/15/11 16:00	0.005073	170	
2011-05-15-1700	300	1.621	5/15/11 17:00	0.005403	171	
2011-05-15-1800	300	-1.435	5/15/11 18:00	-0.00478	172	
2011-05-15-1900	300	-2.53	5/15/11 19:00	-0.00843	173	
2011-05-15-2000	224	-3.088	5/15/11 20:00	-0.01379	174	
2011-05-15-2100	150	-2.128	5/15/11 21:00	-0.01419	175	
2011-05-15-2200	200	0.272	5/15/11 22:00	0.00136	176	
2011-05-15-2300	200	1.015	5/15/11 23:00	0.005075	177	
2011-05-16-0700	250	0.682	5/16/11 7:00	0.002728	178	
2011-05-16-0800	256	0.322	5/16/11 8:00	0.001258	179	
2011-05-16-0900	250	-1.294	5/16/11 9:00	-0.00518	180	
2011-05-16-1000	250	-1.331	5/16/11 10:00	-0.00532	181	
2011-05-16-1100	238	-0.674	5/16/11 11:00	-0.00283	182	
2011-05-16-1200	301	0.025	5/16/11 12:00	8.31E-05	183	
2011-05-16-1300	150	-1.563	5/16/11 13:00	-0.01042	184	
2011-05-16-1400	300	0.847	5/16/11 14:00	0.002823	185	
2011-05-16-1500	400	1.845	5/16/11 15:00	0.004613	186	
2011-05-16-1600	300	0.558	5/16/11 16:00	0.00186	187	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-05-16-1700	500	2.163	5/16/11 17:00	0.004326	188	
2011-05-16-1800	299	-0.331	5/16/11 18:00	-0.00111	189	
2011-05-16-1900	548	-0.856	5/16/11 19:00	-0.00156	190	
2011-05-16-2000	395	-3.883	5/16/11 20:00	-0.00983	191	
2011-05-16-2100	400	-2.587	5/16/11 21:00	-0.00647	192	
2011-05-16-2200	300	0.726	5/16/11 22:00	0.00242	193	
2011-05-16-2300	300	2.616	5/16/11 23:00	0.00872	194	
2011-05-17-0000	400	4.159	5/17/11 0:00	0.010398	195	
2011-05-17-0100	188	1.392	5/17/11 1:00	0.007404	196	
2011-05-17-0600	450	3.422	5/17/11 6:00	0.007604	197	
2011-05-17-0700	698	6.82	5/17/11 7:00	0.009771	198	
2011-05-17-0800	598	3.079	5/17/11 8:00	0.005149	199	
2011-05-17-0900	394	0.063	5/17/11 9:00	0.00016	200	
2011-05-17-1000	450	-1.107	5/17/11 10:00	-0.00246	201	
2011-05-17-1100	400	-2.071	5/17/11 11:00	-0.00518	202	
2011-05-17-1200	400	-2.754	5/17/11 12:00	-0.00689	203	
2011-05-17-1300	475	-2.591	5/17/11 13:00	-0.00545	204	
2011-05-17-1400	555	-1.446	5/17/11 14:00	-0.00261	205	
2011-05-17-1500	550	-0.005	5/17/11 15:00	-9.1E-06	206	
2011-05-17-1600	699	2.08	5/17/11 16:00	0.002976	207	
2011-05-17-1700	800	0.786	5/17/11 17:00	0.000983	208	
2011-05-17-1800	800	-0.701	5/17/11 18:00	-0.00088	209	
2011-05-17-1900	725	-1.003	5/17/11 19:00	-0.00138	210	
2011-05-17-2000	675	-1.26	5/17/11 20:00	-0.00187	211	
2011-05-17-2100	650	0.737	5/17/11 21:00	0.001134	212	
2011-05-17-2200	700	7.591	5/17/11 22:00	0.010844	213	
2011-05-17-2300	700	8.139	5/17/11 23:00	0.011627	214	
2011-05-18-0000	300	2.142	5/18/11 0:00	0.00714	215	
2011-05-18-0500	200	0.878	5/18/11 5:00	0.00439	216	
2011-05-18-0600	518	2.889	5/18/11 6:00	0.005577	217	
2011-05-18-0700	739	1.767	5/18/11 7:00	0.002391	218	
2011-05-18-0800	738	-0.551	5/18/11 8:00	-0.00075	219	
2011-05-18-0900	650	-1.199	5/18/11 9:00	-0.00184	220	
2011-05-18-1000	637	-0.99	5/18/11 10:00	-0.00155	221	
2011-05-18-1100	649	-0.708	5/18/11 11:00	-0.00109	222	
2011-05-18-1200	650	-2.221	5/18/11 12:00	-0.00342	223	
2011-05-18-1300	649	-2.209	5/18/11 13:00	-0.0034	224	
2011-05-18-1400	630	-2.139	5/18/11 14:00	-0.0034	225	
2011-05-18-1500	555	-2.499	5/18/11 15:00	-0.0045	226	
2011-05-18-1600	699	-1.126	5/18/11 16:00	-0.00161	227	
2011-05-18-1700	750	-0.162	5/18/11 17:00	-0.00022	228	
2011-05-18-1800	813	0.429	5/18/11 18:00	0.000528	229	
2011-05-18-1900	770	-0.235	5/18/11 19:00	-0.00031	230	
2011-05-18-2000	825	0.067	5/18/11 20:00	8.12E-05	231	
2011-05-18-2100	422	-0.992	5/18/11 21:00	-0.00235	232	
2011-05-18-2200	390	2.313	5/18/11 22:00	0.005931	233	
2011-05-18-2300	451	3.247	5/18/11 23:00	0.0072	234	
2011-05-19-0000	250	1.409	5/19/11 0:00	0.005636	235	
2011-05-19-0100	150	0.475	5/19/11 1:00	0.003167	236	
2011-05-19-0500	400	3.154	5/19/11 5:00	0.007885	237	
2011-05-19-0600	502	3.167	5/19/11 6:00	0.006309	238	
2011-05-19-0700	526	3.594	5/19/11 7:00	0.006833	239	
2011-05-19-0800	506	3.48	5/19/11 8:00	0.006877	240	
2011-05-19-0900	511	2.709	5/19/11 9:00	0.005301	241	
2011-05-19-1000	511	1.488	5/19/11 10:00	0.002912	242	
2011-05-19-1100	499	0.975	5/19/11 11:00	0.001954	243	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-05-19-1200	517	0.274	5/19/11 12:00	0.00053	244	
2011-05-19-1300	507	0.696	5/19/11 13:00	0.001373	245	
2011-05-19-1400	501	2.092	5/19/11 14:00	0.004176	246	
2011-05-19-1500	552	4.109	5/19/11 15:00	0.007444	247	
2011-05-19-1600	552	4.168	5/19/11 16:00	0.007551	248	
2011-05-19-1700	438	3.162	5/19/11 17:00	0.007219	249	
2011-05-19-1800	449	3.185	5/19/11 18:00	0.007094	250	
2011-05-19-1900	446	2.556	5/19/11 19:00	0.005731	251	
2011-05-19-2000	446	2.903	5/19/11 20:00	0.006509	252	
2011-05-19-2100	443	3.302	5/19/11 21:00	0.007454	253	
2011-05-19-2200	441	3.723	5/19/11 22:00	0.008442	254	
2011-05-19-2300	500	4.597	5/19/11 23:00	0.009194	255	
2011-05-20-0000	250	1.654	5/20/11 0:00	0.006616	256	
2011-05-20-0600	250	1.318	5/20/11 6:00	0.005272	257	
2011-05-20-0700	338	1.721	5/20/11 7:00	0.005092	258	
2011-05-20-0800	240	-1.929	5/20/11 8:00	-0.00804	259	
2011-05-20-0900	225	-4.526	5/20/11 9:00	-0.02012	260	
2011-05-20-1200	225	-4.587	5/20/11 12:00	-0.02039	261	
2011-05-20-1300	224	-4.761	5/20/11 13:00	-0.02125	262	
2011-05-20-1400	225	-4.748	5/20/11 14:00	-0.0211	263	
2011-05-20-1500	138	-2.754	5/20/11 15:00	-0.01996	264	
2011-05-20-1600	125	-2.605	5/20/11 16:00	-0.02084	265	
2011-05-20-1700	200	-4.731	5/20/11 17:00	-0.02366	266	
2011-05-20-1800	200	-4.698	5/20/11 18:00	-0.02349	267	
2011-05-20-1900	300	-5.884	5/20/11 19:00	-0.01961	268	
2011-05-20-2000	300	-2.174	5/20/11 20:00	-0.00725	269	
2011-05-20-2100	303	-0.252	5/20/11 21:00	-0.00083	270	
2011-05-20-2200	300	1.921	5/20/11 22:00	0.006403	271	
2011-05-20-2300	200	0.973	5/20/11 23:00	0.004865	272	
2011-05-21-0000	300	1.701	5/21/11 0:00	0.00567	273	
2011-05-21-0900	350	0.432	5/21/11 9:00	0.001234	274	
2011-05-21-1000	350	-1.046	5/21/11 10:00	-0.00299	275	
2011-05-21-1100	350	-4.402	5/21/11 11:00	-0.01258	276	
2011-05-21-1200	175	-2.991	5/21/11 12:00	-0.01709	277	
2011-05-21-2200	149	0.261	5/21/11 22:00	0.001752	278	
2011-05-21-2300	300	1.747	5/21/11 23:00	0.005823	279	
2011-05-22-0000	272	1.354	5/22/11 0:00	0.004978	280	
2011-05-22-0100	300	1.495	5/22/11 1:00	0.004983	281	
2011-05-22-0900	200	0.681	5/22/11 9:00	0.003405	282	
2011-05-22-1000	400	0.403	5/22/11 10:00	0.001008	283	
2011-05-22-1100	400	-1.915	5/22/11 11:00	-0.00479	284	
2011-05-22-1200	300	-6.043	5/22/11 12:00	-0.02014	285	
2011-05-22-1300	197	-0.988	5/22/11 13:00	-0.00502	286	
2011-05-22-1400	198	1.452	5/22/11 14:00	0.007333	287	
2011-05-22-1500	197	2.093	5/22/11 15:00	0.010624	288	
2011-05-22-1600	200	1.997	5/22/11 16:00	0.009985	289	
2011-05-22-1700	200	1.648	5/22/11 17:00	0.00824	290	
2011-05-22-1800	200	1.204	5/22/11 18:00	0.00602	291	
2011-05-22-1900	200	-0.389	5/22/11 19:00	-0.00195	292	
2011-05-22-2000	197	-1.688	5/22/11 20:00	-0.00857	293	
2011-05-22-2100	200	-3.282	5/22/11 21:00	-0.01641	294	
2011-05-22-2200	237	-1.391	5/22/11 22:00	-0.00587	295	
2011-05-22-2300	300	2.116	5/22/11 23:00	0.007053	296	
2011-05-23-0100	100	0.218	5/23/11 1:00	0.00218	297	
2011-05-23-0200	300	1.964	5/23/11 2:00	0.006547	298	
2011-05-23-0300	149	0.434	5/23/11 3:00	0.002913	299	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-05-23-0600	400	2.02	5/23/11 6:00	0.00505	300	
2011-05-23-0700	640	2.742	5/23/11 7:00	0.004284	301	
2011-05-23-0800	548	2.047	5/23/11 8:00	0.003735	302	
2011-05-23-0900	401	1.961	5/23/11 9:00	0.00489	303	
2011-05-23-1000	350	0.885	5/23/11 10:00	0.002529	304	
2011-05-23-1100	350	-2.872	5/23/11 11:00	-0.00821	305	
2011-05-23-1200	175	-3.061	5/23/11 12:00	-0.01749	306	
2011-05-24-0800	366	2.39	5/24/11 8:00	0.00653	307	
2011-05-24-0900	491	1.809	5/24/11 9:00	0.003684	308	
2011-05-24-1000	291	-1.562	5/24/11 10:00	-0.00537	309	
2011-05-24-1100	166	-2.628	5/24/11 11:00	-0.01583	310	
2011-05-24-1200	166	-2.802	5/24/11 12:00	-0.01688	311	
2011-05-24-1300	166	-2.553	5/24/11 13:00	-0.01538	312	
2011-05-24-1400	204	-0.686	5/24/11 14:00	-0.00336	313	
2011-05-24-1500	178	-0.246	5/24/11 15:00	-0.00138	314	
2011-05-24-1600	164	0.106	5/24/11 16:00	0.000646	315	
2011-05-24-1700	148	0.302	5/24/11 17:00	0.002041	316	
2011-05-24-1800	132	-0.119	5/24/11 18:00	-0.0009	317	
2011-05-24-1900	117	-1.784	5/24/11 19:00	-0.01525	318	
2011-05-24-2000	260	-3.629	5/24/11 20:00	-0.01396	319	
2011-05-24-2100	325	-3.016	5/24/11 21:00	-0.00928	320	
2011-05-24-2200	550	0.938	5/24/11 22:00	0.001705	321	
2011-05-24-2300	100	0.887	5/24/11 23:00	0.00887	322	
2011-05-25-0000	332	4.002	5/25/11 0:00	0.012054	323	
2011-05-25-0100	148	1.512	5/25/11 1:00	0.010216	324	
2011-05-25-0200	148	1.853	5/25/11 2:00	0.01252	325	
2011-05-25-0600	325	3.612	5/25/11 6:00	0.01114	326	
2011-05-25-0700	224	2.118	5/25/11 7:00	0.009455	327	
2011-05-25-0800	207	2.213	5/25/11 8:00	0.010691	328	
2011-05-25-0900	214	0.476	5/25/11 9:00	0.002224	329	
2011-05-25-1000	230	-4.282	5/25/11 10:00	-0.01862	330	
2011-05-25-1900	150	2.119	5/25/11 19:00	0.014127	331	
2011-05-25-2000	233	2.553	5/25/11 20:00	0.010957	332	
2011-05-25-2100	298	1.766	5/25/11 21:00	0.005926	333	
2011-05-25-2200	260	-3.014	5/25/11 22:00	-0.01159	334	
2011-05-25-2300	190	-0.279	5/25/11 23:00	-0.00147	335	
2011-05-26-0700	178	1.782	5/26/11 7:00	0.010011	336	
2011-05-26-0800	204	2.141	5/26/11 8:00	0.010495	337	
2011-05-26-0900	254	2.554	5/26/11 9:00	0.010055	338	
2011-05-26-1000	254	2.549	5/26/11 10:00	0.010035	339	
2011-05-26-1100	442	3.298	5/26/11 11:00	0.007462	340	
2011-05-26-1200	441	2.937	5/26/11 12:00	0.00666	341	
2011-05-26-1300	121	1.279	5/26/11 13:00	0.01057	342	
2011-05-26-1500	173	1.877	5/26/11 15:00	0.01085	343	
2011-05-26-1700	254	2.895	5/26/11 17:00	0.011398	344	
2011-05-26-1800	144	1.72	5/26/11 18:00	0.011944	345	
2011-05-26-2200	154	0.683	5/26/11 22:00	0.004435	346	
2011-05-26-2300	152	0.774	5/26/11 23:00	0.005092	347	
2011-05-27-0600	250	1.565	5/27/11 6:00	0.00626	348	
2011-05-27-0700	300	2.055	5/27/11 7:00	0.00685	349	
2011-05-27-0800	472	3.604	5/27/11 8:00	0.007636	350	
2011-05-27-0900	257	2.554	5/27/11 9:00	0.009938	351	
2011-05-27-1000	143	1.319	5/27/11 10:00	0.009224	352	
2011-05-27-1100	104	0.497	5/27/11 11:00	0.004779	353	
2011-05-27-1200	101	0.283	5/27/11 12:00	0.002802	354	
2011-05-27-1900	226	1.577	5/27/11 19:00	0.006978	355	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor		
2011-05-27-2200	145	0.734	5/27/11 22:00	0.005062	356			
2011-05-28-1000	161	0.201	5/28/11 10:00	0.001248	357			
2011-05-28-1300	158	0.282	5/28/11 13:00	0.001785	358			
2011-05-28-1400	157	0.114	5/28/11 14:00	0.000726	359			
2011-05-28-1500	349	1.422	5/28/11 15:00	0.004074	360			
2011-05-28-1600	306	1.45	5/28/11 16:00	0.004739	361			
2011-05-28-1700	157	0.604	5/28/11 17:00	0.003847	362			
2011-05-28-1800	123	0.15	5/28/11 18:00	0.00122	363			
2011-05-28-1900	122	0.231	5/28/11 19:00	0.001893	364			
2011-05-28-2000	158	0.669	5/28/11 20:00	0.004234	365			
2011-05-28-2100	107	0.048	5/28/11 21:00	0.000449	366			
2011-05-28-2200	139	0.235	5/28/11 22:00	0.001691	367			
2011-05-29-0100	118	0.351	5/29/11 1:00	0.002975	368			
2011-05-29-0200	107	0.302	5/29/11 2:00	0.002822	369			
2011-05-29-0300	103	0.29	5/29/11 3:00	0.002816	370			
2011-05-29-1000	298	1.431	5/29/11 10:00	0.004802	371			
2011-05-29-1100	507	4.741	5/29/11 11:00	0.009351	372			
2011-05-29-1200	781	3.86	5/29/11 12:00	0.004942	373			
2011-05-29-1300	557	-0.283	5/29/11 13:00	-0.00051	374			
2011-05-29-1400	462	-1.628	5/29/11 14:00	-0.00352	375			
2011-05-29-1500	316	-4.99	5/29/11 15:00	-0.01579	376			
2011-05-29-1600	264	-6.724	5/29/11 16:00	-0.02547	377			
2011-05-29-1700	264	-6.851	5/29/11 17:00	-0.02595	378			
2011-05-29-1800	333	-5.633	5/29/11 18:00	-0.01692	379			
2011-05-29-1900	333	-5.458	5/29/11 19:00	-0.01639	380			
2011-05-29-2000	414	-3.772	5/29/11 20:00	-0.00911	381			
2011-05-29-2100	233	-5.745	5/29/11 21:00	-0.02466	382			
2011-05-29-2200	558	0.111	5/29/11 22:00	0.000199	383			
2011-05-29-2300	545	0.922	5/29/11 23:00	0.001692	384			
2011-05-30-0000	249	-0.865	5/30/11 0:00	-0.00347	385			
2011-05-30-0800	200	0.771	5/30/11 8:00	0.003855	386			
2011-05-30-0900	275	-0.711	5/30/11 9:00	-0.00259	387			
2011-05-30-1000	200	-2.304	5/30/11 10:00	-0.01152	388			
2011-05-31-0100	250	2.399	5/31/11 1:00	0.009596	389			
2011-05-31-0200	156	1.068	5/31/11 2:00	0.006846	390			
2011-05-31-2300	129	-2.765	5/31/11 23:00	-0.02143	391			
2011-06-01-0800	374	-1.916	6/1/11 8:00	-0.00512	1	391	131,529	227
2011-06-01-1300	100	-0.06	6/1/11 13:00	-0.0006	2	avg	336	0.582 0.173%
2011-06-01-1400	100	0.118	6/1/11 14:00	0.00118	3			
2011-06-01-1500	100	-1.254	6/1/11 15:00	-0.01254	4			
2011-06-02-0000	238	1.568	6/2/11 0:00	0.006588	5			
2011-06-02-0100	355	3.702	6/2/11 1:00	0.010428	6			
2011-06-02-0200	263	2.077	6/2/11 2:00	0.007897	7			
2011-06-02-0300	287	2.277	6/2/11 3:00	0.007934	8			
2011-06-02-0400	309	2.429	6/2/11 4:00	0.007861	9			
2011-06-02-0500	306	2.297	6/2/11 5:00	0.007507	10			
2011-06-02-0600	290	2.251	6/2/11 6:00	0.007762	11			
2011-06-02-0700	216	0.966	6/2/11 7:00	0.004472	12			
2011-06-02-0800	252	0.492	6/2/11 8:00	0.001952	13			
2011-06-02-0900	262	1.858	6/2/11 9:00	0.007092	14			
2011-06-02-1000	263	2.34	6/2/11 10:00	0.008897	15			
2011-06-02-1100	263	-0.673	6/2/11 11:00	-0.00256	16			
2011-06-02-1200	319	-6.504	6/2/11 12:00	-0.02039	17			
2011-06-02-1300	190	-3.694	6/2/11 13:00	-0.01944	18			
2011-06-02-2200	250	-6.874	6/2/11 22:00	-0.0275	19			
2011-06-02-2300	250	2.802	6/2/11 23:00	0.011208	20			

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-06-03-0000	236	2.038	6/3/11 0:00	0.008636	21	
2011-06-03-0600	287	2.193	6/3/11 6:00	0.007641	22	
2011-06-03-0700	390	3.062	6/3/11 7:00	0.007851	23	
2011-06-03-0800	447	3.509	6/3/11 8:00	0.00785	24	
2011-06-03-0900	344	0.312	6/3/11 9:00	0.000907	25	
2011-06-03-1000	374	-2.974	6/3/11 10:00	-0.00795	26	
2011-06-03-1100	150	-4.479	6/3/11 11:00	-0.02986	27	
2011-06-03-1800	134	1.944	6/3/11 18:00	0.014507	28	
2011-06-03-2200	200	-5.632	6/3/11 22:00	-0.02816	29	
2011-06-03-2300	349	-3.545	6/3/11 23:00	-0.01016	30	
2011-06-04-0000	343	5.894	6/4/11 0:00	0.017184	31	
2011-06-04-0100	142	0.982	6/4/11 1:00	0.006915	32	
2011-06-04-0700	334	2.909	6/4/11 7:00	0.00871	33	
2011-06-04-0800	377	3.521	6/4/11 8:00	0.00934	34	
2011-06-04-0900	387	0.331	6/4/11 9:00	0.000855	35	
2011-06-04-1000	389	-5.188	6/4/11 10:00	-0.01334	36	
2011-06-04-1100	149	-4.315	6/4/11 11:00	-0.02896	37	
2011-06-04-1300	198	1.733	6/4/11 13:00	0.008753	38	
2011-06-04-1400	100	0.552	6/4/11 14:00	0.00552	39	
2011-06-04-1700	118	0.883	6/4/11 17:00	0.007483	40	
2011-06-04-1800	102	0.662	6/4/11 18:00	0.00649	41	
2011-06-04-1900	102	1.402	6/4/11 19:00	0.013745	42	
2011-06-05-0000	134	-1.484	6/5/11 0:00	-0.01107	43	
2011-06-05-1000	295	-4.698	6/5/11 10:00	-0.01593	44	
2011-06-05-1100	499	-7.361	6/5/11 11:00	-0.01475	45	
2011-06-05-1200	449	-8.098	6/5/11 12:00	-0.01804	46	
2011-06-05-1300	298	-10.104	6/5/11 13:00	-0.03391	47	
2011-06-05-1400	395	-8.379	6/5/11 14:00	-0.02121	48	
2011-06-05-1500	399	-8.187	6/5/11 15:00	-0.02052	49	
2011-06-05-1600	500	-6.609	6/5/11 16:00	-0.01322	50	
2011-06-05-1700	474	-8.154	6/5/11 17:00	-0.0172	51	
2011-06-05-1800	473	-7.786	6/5/11 18:00	-0.01646	52	
2011-06-05-1900	658	-5.089	6/5/11 19:00	-0.00773	53	
2011-06-05-2000	758	-3.551	6/5/11 20:00	-0.00468	54	
2011-06-05-2100	908	-1.201	6/5/11 21:00	-0.00132	55	
2011-06-05-2200	607	0.779	6/5/11 22:00	0.001283	56	
2011-06-05-2300	479	5.091	6/5/11 23:00	0.010628	57	
2011-06-06-0600	249	1.526	6/6/11 6:00	0.006129	58	
2011-06-06-0700	238	1.256	6/6/11 7:00	0.005277	59	
2011-06-06-0800	249	0.988	6/6/11 8:00	0.003968	60	
2011-06-06-0900	300	2.289	6/6/11 9:00	0.00763	61	
2011-06-06-1000	304	-5.216	6/6/11 10:00	-0.01716	62	
2011-06-06-1100	199	-6.332	6/6/11 11:00	-0.03182	63	
2011-06-06-1300	100	1.899	6/6/11 13:00	0.01899	64	
2011-06-06-1400	200	3.811	6/6/11 14:00	0.019055	65	
2011-06-06-1500	344	4.603	6/6/11 15:00	0.013381	66	
2011-06-06-1600	350	4.03	6/6/11 16:00	0.011514	67	
2011-06-06-1700	355	3.847	6/6/11 17:00	0.010837	68	
2011-06-06-1800	482	5.379	6/6/11 18:00	0.01116	69	
2011-06-06-1900	532	5.607	6/6/11 19:00	0.010539	70	
2011-06-06-2000	603	5.179	6/6/11 20:00	0.008589	71	
2011-06-06-2100	500	2.463	6/6/11 21:00	0.004926	72	
2011-06-06-2200	420	-4.429	6/6/11 22:00	-0.01055	73	
2011-06-06-2300	156	-3.971	6/6/11 23:00	-0.02546	74	
2011-06-07-0600	250	0.824	6/7/11 6:00	0.003296	75	
2011-06-07-0700	265	1.363	6/7/11 7:00	0.005143	76	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-06-07-0800	254	-3.548	6/7/11 8:00	-0.01397	77	
2011-06-08-1300	100	-0.057	6/8/11 13:00	-0.00057	78	
2011-06-08-1400	100	-0.208	6/8/11 14:00	-0.00208	79	
2011-06-08-1500	100	-1.055	6/8/11 15:00	-0.01055	80	
2011-06-08-1600	100	-1.677	6/8/11 16:00	-0.01677	81	
2011-06-08-1700	100	-1.611	6/8/11 17:00	-0.01611	82	
2011-06-08-1800	100	-0.285	6/8/11 18:00	-0.00285	83	
2011-06-08-1900	100	-0.006	6/8/11 19:00	-0.00006	84	
2011-06-08-2000	100	-0.082	6/8/11 20:00	-0.00082	85	
2011-06-08-2100	100	0.338	6/8/11 21:00	0.00338	86	
2011-06-11-0900	199	-0.058	6/11/11 9:00	-0.00029	87	
2011-06-11-1000	399	-0.643	6/11/11 10:00	-0.00161	88	
2011-06-11-1100	399	-0.566	6/11/11 11:00	-0.00142	89	
2011-06-11-1200	398	-4.993	6/11/11 12:00	-0.01255	90	
2011-06-11-1300	195	-7.074	6/11/11 13:00	-0.03628	91	
2011-06-11-1400	199	-7.543	6/11/11 14:00	-0.0379	92	
2011-06-11-1500	149	-5.353	6/11/11 15:00	-0.03593	93	
2011-06-11-2000	187	-5.537	6/11/11 20:00	-0.02961	94	
2011-06-11-2100	349	-7.26	6/11/11 21:00	-0.0208	95	
2011-06-11-2200	299	-1.68	6/11/11 22:00	-0.00562	96	
2011-06-12-0900	197	0.679	6/12/11 9:00	0.003447	97	
2011-06-12-1000	195	0.286	6/12/11 10:00	0.001467	98	
2011-06-12-1100	191	0.436	6/12/11 11:00	0.002283	99	
2011-06-12-1200	478	4.178	6/12/11 12:00	0.008741	100	
2011-06-12-1300	484	1.084	6/12/11 13:00	0.00224	101	
2011-06-12-1400	409	-3.955	6/12/11 14:00	-0.00967	102	
2011-06-12-1500	249	-6.986	6/12/11 15:00	-0.02806	103	
2011-06-12-1600	199	-6.372	6/12/11 16:00	-0.03202	104	
2011-06-12-1700	149	-4.773	6/12/11 17:00	-0.03203	105	
2011-06-12-1800	199	-6.572	6/12/11 18:00	-0.03303	106	
2011-06-12-1900	199	-6.37	6/12/11 19:00	-0.03201	107	
2011-06-12-2000	249	-7.236	6/12/11 20:00	-0.02906	108	
2011-06-12-2100	284	-6.229	6/12/11 21:00	-0.02193	109	
2011-06-12-2200	549	-1.488	6/12/11 22:00	-0.00271	110	
2011-06-12-2300	491	1.132	6/12/11 23:00	0.002305	111	
2011-06-13-0700	199	0.259	6/13/11 7:00	0.001302	112	
2011-06-13-0800	200	0.983	6/13/11 8:00	0.004915	113	
2011-06-13-0900	493	2.521	6/13/11 9:00	0.005114	114	
2011-06-13-1000	499	1.547	6/13/11 10:00	0.0031	115	
2011-06-13-1100	349	-1.276	6/13/11 11:00	-0.00366	116	
2011-06-13-1200	299	-1.931	6/13/11 12:00	-0.00646	117	
2011-06-13-1300	349	-4.632	6/13/11 13:00	-0.01327	118	
2011-06-13-1400	199	-5.754	6/13/11 14:00	-0.02891	119	
2011-06-13-1500	152	-4.197	6/13/11 15:00	-0.02761	120	
2011-06-13-1600	152	-4.647	6/13/11 16:00	-0.03057	121	
2011-06-13-1700	149	-5.26	6/13/11 17:00	-0.0353	122	
2011-06-13-1800	148	-5.218	6/13/11 18:00	-0.03526	123	
2011-06-13-1900	199	-7.091	6/13/11 19:00	-0.03563	124	
2011-06-13-2000	349	-4.836	6/13/11 20:00	-0.01386	125	
2011-06-13-2100	349	1.857	6/13/11 21:00	0.005321	126	
2011-06-13-2200	349	2.726	6/13/11 22:00	0.007811	127	
2011-06-13-2300	497	4.197	6/13/11 23:00	0.008445	128	
2011-06-14-0900	380	3.621	6/14/11 9:00	0.009529	129	
2011-06-14-1000	231	1.588	6/14/11 10:00	0.006874	130	
2011-06-14-1100	439	4.93	6/14/11 11:00	0.01123	131	
2011-06-14-1200	473	5.346	6/14/11 12:00	0.011302	132	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-06-14-1300	477	5.793	6/14/11 13:00	0.012145	133	
2011-06-14-1400	481	5.713	6/14/11 14:00	0.011877	134	
2011-06-14-1500	481	5.783	6/14/11 15:00	0.012023	135	
2011-06-14-1600	481	5.821	6/14/11 16:00	0.012102	136	
2011-06-14-1700	481	5.862	6/14/11 17:00	0.012187	137	
2011-06-14-1800	476	5.666	6/14/11 18:00	0.011903	138	
2011-06-14-1900	481	5.686	6/14/11 19:00	0.011821	139	
2011-06-14-2000	584	7.837	6/14/11 20:00	0.01342	140	
2011-06-14-2100	602	7.976	6/14/11 21:00	0.013249	141	
2011-06-14-2200	482	5.106	6/14/11 22:00	0.010593	142	
2011-06-15-0700	174	0.434	6/15/11 7:00	0.002494	143	
2011-06-15-0800	399	3.567	6/15/11 8:00	0.00894	144	
2011-06-15-0900	728	9.637	6/15/11 9:00	0.013238	145	
2011-06-15-1000	873	14.361	6/15/11 10:00	0.01645	146	
2011-06-15-1100	949	17.771	6/15/11 11:00	0.018726	147	
2011-06-15-1200	947	19.671	6/15/11 12:00	0.020772	148	
2011-06-15-1300	1001	19.799	6/15/11 13:00	0.019779	149	
2011-06-15-1400	1011	20.814	6/15/11 14:00	0.020588	150	
2011-06-15-1500	866	16.325	6/15/11 15:00	0.018851	151	
2011-06-15-1600	780	14.461	6/15/11 16:00	0.01854	152	
2011-06-15-1700	508	8.507	6/15/11 17:00	0.016746	153	
2011-06-15-1800	479	7.079	6/15/11 18:00	0.014779	154	
2011-06-15-1900	339	3.134	6/15/11 19:00	0.009245	155	
2011-06-15-2000	316	2.633	6/15/11 20:00	0.008332	156	
2011-06-15-2100	280	1.636	6/15/11 21:00	0.005843	157	
2011-06-15-2200	223	1.092	6/15/11 22:00	0.004897	158	
2011-06-16-0700	230	0.982	6/16/11 7:00	0.00427	159	
2011-06-16-0800	420	3.793	6/16/11 8:00	0.009031	160	
2011-06-16-0900	316	3.116	6/16/11 9:00	0.009861	161	
2011-06-16-1000	291	2.842	6/16/11 10:00	0.009766	162	
2011-06-16-1100	293	2.499	6/16/11 11:00	0.008529	163	
2011-06-16-2000	147	-5.23	6/16/11 20:00	-0.03558	164	
2011-06-16-2100	299	-6.098	6/16/11 21:00	-0.02039	165	
2011-06-16-2200	482	-0.812	6/16/11 22:00	-0.00168	166	
2011-06-16-2300	481	5.449	6/16/11 23:00	0.011328	167	
2011-06-17-0000	482	5.214	6/17/11 0:00	0.010817	168	
2011-06-17-0100	436	3.877	6/17/11 1:00	0.008892	169	
2011-06-17-0700	199	0.553	6/17/11 7:00	0.002779	170	
2011-06-17-0800	295	2.197	6/17/11 8:00	0.007447	171	
2011-06-17-0900	391	3.614	6/17/11 9:00	0.009243	172	
2011-06-17-1000	496	3.818	6/17/11 10:00	0.007698	173	
2011-06-17-1100	299	-3.114	6/17/11 11:00	-0.01041	174	
2011-06-17-1200	209	-3.721	6/17/11 12:00	-0.0178	175	
2011-06-17-2000	274	-0.944	6/17/11 20:00	-0.00345	176	
2011-06-17-2100	274	3.148	6/17/11 21:00	0.011489	177	
2011-06-17-2200	275	2.832	6/17/11 22:00	0.010298	178	
2011-06-18-0900	435	4.466	6/18/11 9:00	0.010267	179	
2011-06-18-1000	687	8.812	6/18/11 10:00	0.012827	180	
2011-06-18-1100	444	5.449	6/18/11 11:00	0.012273	181	
2011-06-18-1200	846	12.466	6/18/11 12:00	0.014735	182	
2011-06-18-1300	839	13.182	6/18/11 13:00	0.015712	183	
2011-06-18-1400	744	10.707	6/18/11 14:00	0.014391	184	
2011-06-18-1500	497	4.787	6/18/11 15:00	0.009632	185	
2011-06-18-1600	339	3.321	6/18/11 16:00	0.009796	186	
2011-06-18-1700	651	8.951	6/18/11 17:00	0.01375	187	
2011-06-18-1800	299	3.279	6/18/11 18:00	0.010967	188	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-06-18-1900	299	3.207	6/18/11 19:00	0.010726	189	
2011-06-18-2000	408	4.975	6/18/11 20:00	0.012194	190	
2011-06-18-2100	492	6.055	6/18/11 21:00	0.012307	191	
2011-06-18-2200	493	5.236	6/18/11 22:00	0.010621	192	
2011-06-19-1000	450	3.288	6/19/11 10:00	0.007307	193	
2011-06-19-1100	297	1.832	6/19/11 11:00	0.006168	194	
2011-06-19-1200	326	1.788	6/19/11 12:00	0.005485	195	
2011-06-19-1300	412	3.211	6/19/11 13:00	0.007794	196	
2011-06-19-1400	559	5.55	6/19/11 14:00	0.009928	197	
2011-06-19-1500	823	10.808	6/19/11 15:00	0.013132	198	
2011-06-19-1600	806	9.577	6/19/11 16:00	0.011882	199	
2011-06-19-1700	725	8.642	6/19/11 17:00	0.01192	200	
2011-06-19-1800	416	5.47	6/19/11 18:00	0.013149	201	
2011-06-19-1900	332	3.069	6/19/11 19:00	0.009244	202	
2011-06-19-2000	330	2.718	6/19/11 20:00	0.008236	203	
2011-06-19-2100	330	2.446	6/19/11 21:00	0.007412	204	
2011-06-19-2200	330	2.143	6/19/11 22:00	0.006494	205	
2011-06-19-2300	301	1.971	6/19/11 23:00	0.006548	206	
2011-06-20-0800	248	0.89	6/20/11 8:00	0.003589	207	
2011-06-21-2200	149	-4.673	6/21/11 22:00	-0.03136	208	
2011-06-22-0700	174	0.563	6/22/11 7:00	0.003236	209	
2011-06-22-0900	286	1.735	6/22/11 9:00	0.006066	210	
2011-06-22-1000	249	-2.255	6/22/11 10:00	-0.00906	211	
2011-06-22-1100	149	-4.377	6/22/11 11:00	-0.02938	212	
2011-06-22-1300	149	-4.653	6/22/11 13:00	-0.03123	213	
2011-06-22-1900	115	-2.97	6/22/11 19:00	-0.02583	214	
2011-06-22-2000	298	-8.513	6/22/11 20:00	-0.02857	215	
2011-06-22-2100	327	-6.79	6/22/11 21:00	-0.02076	216	
2011-06-22-2200	328	-3.37	6/22/11 22:00	-0.01027	217	
2011-06-23-0700	237	0.733	6/23/11 7:00	0.003093	218	
2011-06-23-0800	250	1.325	6/23/11 8:00	0.0053	219	
2011-06-23-0900	249	1.511	6/23/11 9:00	0.006068	220	
2011-06-23-1000	346	1.951	6/23/11 10:00	0.005639	221	
2011-06-23-1100	423	-6.761	6/23/11 11:00	-0.01598	222	
2011-06-23-2000	149	-4.114	6/23/11 20:00	-0.02761	223	
2011-06-23-2100	210	-6.463	6/23/11 21:00	-0.03078	224	
2011-06-23-2200	248	-1.773	6/23/11 22:00	-0.00715	225	
2011-06-24-0800	269	-1.821	6/24/11 8:00	-0.00677	226	
2011-06-24-0900	548	2.176	6/24/11 9:00	0.003971	227	
2011-06-24-1000	643	5.527	6/24/11 10:00	0.008596	228	
2011-06-24-1100	648	6.211	6/24/11 11:00	0.009585	229	
2011-06-24-1200	799	6.956	6/24/11 12:00	0.008706	230	
2011-06-24-1300	699	4.196	6/24/11 13:00	0.006003	231	
2011-06-24-1400	599	1.555	6/24/11 14:00	0.002596	232	
2011-06-24-1500	599	1.159	6/24/11 15:00	0.001935	233	
2011-06-24-1600	624	0.009	6/24/11 16:00	1.44E-05	234	
2011-06-24-1700	674	-0.738	6/24/11 17:00	-0.00109	235	
2011-06-24-1800	649	2.318	6/24/11 18:00	0.003572	236	
2011-06-24-1900	450	5.814	6/24/11 19:00	0.01292	237	
2011-06-24-2000	449	4.943	6/24/11 20:00	0.011009	238	
2011-06-24-2100	449	5.3	6/24/11 21:00	0.011804	239	
2011-06-24-2200	449	5.859	6/24/11 22:00	0.013049	240	
2011-06-24-2300	299	3.311	6/24/11 23:00	0.011074	241	
2011-06-25-0900	199	1.692	6/25/11 9:00	0.008503	242	
2011-06-25-1000	440	5.099	6/25/11 10:00	0.011589	243	
2011-06-25-1100	433	5.873	6/25/11 11:00	0.013564	244	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-06-25-1200	444	6.439	6/25/11 12:00	0.014502	245	
2011-06-25-1300	446	4.394	6/25/11 13:00	0.009852	246	
2011-06-25-1400	342	0.148	6/25/11 14:00	0.000433	247	
2011-06-25-1700	124	-2.121	6/25/11 17:00	-0.0171	248	
2011-06-25-1800	120	-2.241	6/25/11 18:00	-0.01868	249	
2011-06-25-1900	210	-0.759	6/25/11 19:00	-0.00361	250	
2011-06-25-2000	324	1.258	6/25/11 20:00	0.003883	251	
2011-06-25-2100	299	2.276	6/25/11 21:00	0.007612	252	
2011-06-25-2200	299	3.624	6/25/11 22:00	0.01212	253	
2011-06-26-0900	400	2.952	6/26/11 9:00	0.00738	254	
2011-06-26-1000	550	4.126	6/26/11 10:00	0.007502	255	
2011-06-26-1100	623	5.087	6/26/11 11:00	0.008165	256	
2011-06-26-1200	352	2.44	6/26/11 12:00	0.006932	257	
2011-06-26-1300	349	2.527	6/26/11 13:00	0.007241	258	
2011-06-26-1400	267	2.345	6/26/11 14:00	0.008783	259	
2011-06-26-1500	245	2.123	6/26/11 15:00	0.008665	260	
2011-06-26-1600	246	2.429	6/26/11 16:00	0.009874	261	
2011-06-26-1700	357	3.8	6/26/11 17:00	0.010644	262	
2011-06-26-1800	357	3.804	6/26/11 18:00	0.010655	263	
2011-06-26-1900	406	4.074	6/26/11 19:00	0.010034	264	
2011-06-26-2000	356	3.535	6/26/11 20:00	0.00993	265	
2011-06-26-2100	646	7.373	6/26/11 21:00	0.011413	266	
2011-06-26-2200	649	7.311	6/26/11 22:00	0.011265	267	
2011-06-26-2300	446	4.867	6/26/11 23:00	0.010913	268	
2011-06-27-0000	299	2.903	6/27/11 0:00	0.009709	269	
2011-06-27-0100	222	1.899	6/27/11 1:00	0.008554	270	
2011-06-27-0700	513	3.425	6/27/11 7:00	0.006676	271	
2011-06-27-0800	720	7.063	6/27/11 8:00	0.00981	272	
2011-06-27-0900	537	5.038	6/27/11 9:00	0.009382	273	
2011-06-27-1000	664	7.691	6/27/11 10:00	0.011583	274	
2011-06-27-1100	628	8.094	6/27/11 11:00	0.012889	275	
2011-06-27-1200	532	5.122	6/27/11 12:00	0.009628	276	
2011-06-27-1300	589	-3.454	6/27/11 13:00	-0.00586	277	
2011-06-27-1400	403	-7.131	6/27/11 14:00	-0.01769	278	
2011-06-27-1500	149	-0.932	6/27/11 15:00	-0.00626	279	
2011-06-27-2200	112	-2.933	6/27/11 22:00	-0.02619	280	
2011-06-27-2300	464	-0.805	6/27/11 23:00	-0.00173	281	
2011-06-28-0000	192	1.108	6/28/11 0:00	0.005771	282	
2011-06-28-0700	451	3.863	6/28/11 7:00	0.008565	283	
2011-06-28-0800	349	2.722	6/28/11 8:00	0.007799	284	
2011-06-28-0900	621	6.44	6/28/11 9:00	0.01037	285	
2011-06-28-1000	149	0.162	6/28/11 10:00	0.001087	286	
2011-06-28-2100	248	-5.328	6/28/11 21:00	-0.02148	287	
2011-06-28-2200	374	2.911	6/28/11 22:00	0.007783	288	
2011-06-28-2300	249	2.504	6/28/11 23:00	0.010056	289	
2011-06-29-0000	249	2.191	6/29/11 0:00	0.008799	290	
2011-06-29-0600	224	1.256	6/29/11 6:00	0.005607	291	
2011-06-29-0700	476	4.456	6/29/11 7:00	0.009361	292	
2011-06-29-0800	485	4.908	6/29/11 8:00	0.01012	293	
2011-06-29-0900	299	2.665	6/29/11 9:00	0.008913	294	
2011-06-29-1000	250	2.541	6/29/11 10:00	0.010164	295	
2011-06-29-1100	299	0.088	6/29/11 11:00	0.000294	296	
2011-06-29-1200	299	-9.169	6/29/11 12:00	-0.03067	297	
2011-06-29-2100	150	-4.116	6/29/11 21:00	-0.02744	298	
2011-06-29-2200	350	-1.582	6/29/11 22:00	-0.00452	299	
2011-06-29-2300	450	6.353	6/29/11 23:00	0.014118	300	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor			
2011-06-30-0000	122	0.497	6/30/11 0:00	0.004074	301				
2011-06-30-0700	188	0.791	6/30/11 7:00	0.004207	302				
2011-06-30-0800	250	1.464	6/30/11 8:00	0.005856	303				
2011-06-30-0900	350	2.932	6/30/11 9:00	0.008377	304				
2011-06-30-1000	450	4.562	6/30/11 10:00	0.010138	305				
2011-06-30-1300	250	-7.741	6/30/11 13:00	-0.03096	306				
2011-06-30-1400	250	-7.623	6/30/11 14:00	-0.03049	307				
2011-06-30-2100	250	-7.49	6/30/11 21:00	-0.02996	308				
2011-06-30-2200	324	-5.712	6/30/11 22:00	-0.01763	309				
2011-06-30-2300	352	3.015	6/30/11 23:00	0.008565	310				
2011-07-01-0100	114	0.098	7/1/11 1:00	0.00086	1	310	112,504	381	
2011-07-01-0200	214	1.128	7/1/11 2:00	0.005271	2	avg	363	1.230	0.339%
2011-07-02-1100	156	1.653	7/2/11 11:00	0.010596	3				
2011-07-02-1200	400	6.095	7/2/11 12:00	0.015238	4				
2011-07-02-1300	415	5.666	7/2/11 13:00	0.013653	5				
2011-07-02-1400	362	4.581	7/2/11 14:00	0.012655	6				
2011-07-02-1500	381	3.283	7/2/11 15:00	0.008617	7				
2011-07-02-1600	308	-2.392	7/2/11 16:00	-0.00777	8				
2011-07-02-1700	247	-3.34	7/2/11 17:00	-0.01352	9				
2011-07-02-1800	323	-2.262	7/2/11 18:00	-0.007	10				
2011-07-02-1900	398	-1.228	7/2/11 19:00	-0.00309	11				
2011-07-02-2000	408	-1.703	7/2/11 20:00	-0.00417	12				
2011-07-02-2100	410	5.542	7/2/11 21:00	0.013517	13				
2011-07-02-2200	349	3.747	7/2/11 22:00	0.010736	14				
2011-07-02-2300	352	3.859	7/2/11 23:00	0.010963	15				
2011-07-03-0000	409	4.455	7/3/11 0:00	0.010892	16				
2011-07-03-0100	266	2.167	7/3/11 1:00	0.008147	17				
2011-07-03-0900	400	3.62	7/3/11 9:00	0.00905	18				
2011-07-03-1000	350	3.396	7/3/11 10:00	0.009703	19				
2011-07-03-1100	599	-0.535	7/3/11 11:00	-0.00089	20				
2011-07-03-1200	348	-8.77	7/3/11 12:00	-0.0252	21				
2011-07-03-1900	199	-5.935	7/3/11 19:00	-0.02982	22				
2011-07-03-2000	260	-8.813	7/3/11 20:00	-0.0339	23				
2011-07-03-2100	266	-2.063	7/3/11 21:00	-0.00776	24				
2011-07-03-2200	266	1.745	7/3/11 22:00	0.00656	25				
2011-07-03-2300	267	1.684	7/3/11 23:00	0.006307	26				
2011-07-04-0000	267	1.409	7/4/11 0:00	0.005277	27				
2011-07-04-0100	310	1.557	7/4/11 1:00	0.005023	28				
2011-07-04-1100	310	1.907	7/4/11 11:00	0.006152	29				
2011-07-04-1200	311	1.831	7/4/11 12:00	0.005887	30				
2011-07-04-1300	394	2.923	7/4/11 13:00	0.007419	31				
2011-07-04-1400	579	4.857	7/4/11 14:00	0.008389	32				
2011-07-04-1500	311	2.233	7/4/11 15:00	0.00718	33				
2011-07-04-1600	511	4.055	7/4/11 16:00	0.007935	34				
2011-07-04-1700	511	4.072	7/4/11 17:00	0.007969	35				
2011-07-04-1800	511	4.219	7/4/11 18:00	0.008256	36				
2011-07-04-1900	711	2.331	7/4/11 19:00	0.003278	37				
2011-07-04-2000	710	-3.51	7/4/11 20:00	-0.00494	38				
2011-07-04-2100	411	1.599	7/4/11 21:00	0.003891	39				
2011-07-05-0800	211	0.709	7/5/11 8:00	0.00336	40				
2011-07-05-0900	225	1.089	7/5/11 9:00	0.00484	41				
2011-07-05-1000	449	0.742	7/5/11 10:00	0.001653	42				
2011-07-05-1100	286	-5.692	7/5/11 11:00	-0.0199	43				
2011-07-05-1300	306	-2.924	7/5/11 13:00	-0.00956	44				
2011-07-05-1400	311	-1.753	7/5/11 14:00	-0.00564	45				
2011-07-05-1500	386	-0.521	7/5/11 15:00	-0.00135	46				

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-07-05-1600	307	0.166	7/5/11 16:00	0.000541	47	
2011-07-05-1700	289	-0.432	7/5/11 17:00	-0.00149	48	
2011-07-05-1800	331	-0.744	7/5/11 18:00	-0.00225	49	
2011-07-05-1900	410	-3.942	7/5/11 19:00	-0.00961	50	
2011-07-05-2000	432	-6.645	7/5/11 20:00	-0.01538	51	
2011-07-05-2100	536	-5.7	7/5/11 21:00	-0.01063	52	
2011-07-05-2200	533	-4.595	7/5/11 22:00	-0.00862	53	
2011-07-05-2300	600	4.734	7/5/11 23:00	0.00789	54	
2011-07-06-0000	600	7.004	7/6/11 0:00	0.011673	55	
2011-07-06-0100	361	3.001	7/6/11 1:00	0.008313	56	
2011-07-06-0200	300	2.025	7/6/11 2:00	0.00675	57	
2011-07-06-0300	300	1.912	7/6/11 3:00	0.006373	58	
2011-07-06-0600	500	4.118	7/6/11 6:00	0.008236	59	
2011-07-06-0700	313	1.735	7/6/11 7:00	0.005543	60	
2011-07-06-0800	211	0.74	7/6/11 8:00	0.003507	61	
2011-07-06-0900	309	1.943	7/6/11 9:00	0.006288	62	
2011-07-06-1000	289	2.285	7/6/11 10:00	0.007907	63	
2011-07-06-1100	311	-3.748	7/6/11 11:00	-0.01205	64	
2011-07-06-1200	411	-3.409	7/6/11 12:00	-0.00829	65	
2011-07-06-1300	361	-0.815	7/6/11 13:00	-0.00226	66	
2011-07-06-1400	411	-0.148	7/6/11 14:00	-0.00036	67	
2011-07-06-1500	510	2.394	7/6/11 15:00	0.004694	68	
2011-07-06-1600	458	1.43	7/6/11 16:00	0.003122	69	
2011-07-06-1700	523	0.365	7/6/11 17:00	0.000698	70	
2011-07-06-1800	586	0.328	7/6/11 18:00	0.00056	71	
2011-07-06-1900	586	-1.953	7/6/11 19:00	-0.00333	72	
2011-07-06-2000	581	-8.845	7/6/11 20:00	-0.01522	73	
2011-07-06-2100	378	-8.467	7/6/11 21:00	-0.0224	74	
2011-07-06-2200	298	-0.904	7/6/11 22:00	-0.00303	75	
2011-07-06-2300	547	5.061	7/6/11 23:00	0.009252	76	
2011-07-07-0000	503	4.832	7/7/11 0:00	0.009606	77	
2011-07-07-0600	300	1.613	7/7/11 6:00	0.005377	78	
2011-07-07-0800	411	3.132	7/7/11 8:00	0.00762	79	
2011-07-07-0900	411	3.443	7/7/11 9:00	0.008377	80	
2011-07-07-1000	564	-4.05	7/7/11 10:00	-0.00718	81	
2011-07-07-1100	128	-3.086	7/7/11 11:00	-0.02411	82	
2011-07-07-1200	150	-0.096	7/7/11 12:00	-0.00064	83	
2011-07-07-1400	200	2.061	7/7/11 14:00	0.010305	84	
2011-07-07-1500	200	1.523	7/7/11 15:00	0.007615	85	
2011-07-07-1600	200	1.372	7/7/11 16:00	0.00686	86	
2011-07-07-1700	199	1.567	7/7/11 17:00	0.007874	87	
2011-07-07-2000	163	-4.841	7/7/11 20:00	-0.0297	88	
2011-07-08-0600	211	0.736	7/8/11 6:00	0.003488	89	
2011-07-08-0700	261	0.956	7/8/11 7:00	0.003663	90	
2011-07-08-0800	211	0.456	7/8/11 8:00	0.002161	91	
2011-07-08-0900	481	3.988	7/8/11 9:00	0.008291	92	
2011-07-08-1000	642	5.967	7/8/11 10:00	0.009294	93	
2011-07-08-1100	608	5.513	7/8/11 11:00	0.009067	94	
2011-07-08-1200	739	7.24	7/8/11 12:00	0.009797	95	
2011-07-08-1300	667	5.63	7/8/11 13:00	0.008441	96	
2011-07-08-1400	671	5.853	7/8/11 14:00	0.008723	97	
2011-07-08-1500	838	1.505	7/8/11 15:00	0.001796	98	
2011-07-08-1600	588	0.27	7/8/11 16:00	0.000459	99	
2011-07-08-1700	686	2.57	7/8/11 17:00	0.003746	100	
2011-07-08-1800	774	3.245	7/8/11 18:00	0.004193	101	
2011-07-08-1900	803	4.14	7/8/11 19:00	0.005156	102	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-07-08-2000	756	5.643	7/8/11 20:00	0.007464	103	
2011-07-08-2100	774	7.362	7/8/11 21:00	0.009512	104	
2011-07-08-2200	574	4.619	7/8/11 22:00	0.008047	105	
2011-07-08-2300	569	4.173	7/8/11 23:00	0.007334	106	
2011-07-09-0000	211	0.374	7/9/11 0:00	0.001773	107	
2011-07-09-0200	210	0.751	7/9/11 2:00	0.003576	108	
2011-07-09-0800	113	-0.325	7/9/11 8:00	-0.00288	109	
2011-07-09-0900	650	4.572	7/9/11 9:00	0.007034	110	
2011-07-09-1000	1035	7.827	7/9/11 10:00	0.007562	111	
2011-07-09-1100	1148	7.62	7/9/11 11:00	0.006638	112	
2011-07-09-1200	961	4.198	7/9/11 12:00	0.004368	113	
2011-07-09-1300	811	1.775	7/9/11 13:00	0.002189	114	
2011-07-09-1400	698	-1.151	7/9/11 14:00	-0.00165	115	
2011-07-09-1500	560	-3.093	7/9/11 15:00	-0.00552	116	
2011-07-09-1600	460	-4.892	7/9/11 16:00	-0.01063	117	
2011-07-09-1700	411	-6.017	7/9/11 17:00	-0.01464	118	
2011-07-09-1800	411	-4.921	7/9/11 18:00	-0.01197	119	
2011-07-09-1900	384	-4.96	7/9/11 19:00	-0.01292	120	
2011-07-09-2000	586	-2.096	7/9/11 20:00	-0.00358	121	
2011-07-09-2100	761	2.118	7/9/11 21:00	0.002783	122	
2011-07-09-2200	560	4.985	7/9/11 22:00	0.008902	123	
2011-07-09-2300	311	2.907	7/9/11 23:00	0.009347	124	
2011-07-10-0000	211	1.079	7/10/11 0:00	0.005114	125	
2011-07-10-0100	211	0.925	7/10/11 1:00	0.004384	126	
2011-07-10-0800	560	3.02	7/10/11 8:00	0.005393	127	
2011-07-10-0900	981	7.959	7/10/11 9:00	0.008113	128	
2011-07-10-1000	662	5.308	7/10/11 10:00	0.008018	129	
2011-07-10-1100	1073	9.411	7/10/11 11:00	0.008771	130	
2011-07-10-1200	814	1.701	7/10/11 12:00	0.00209	131	
2011-07-10-1300	450	-3.198	7/10/11 13:00	-0.00711	132	
2011-07-10-1400	500	-4.565	7/10/11 14:00	-0.00913	133	
2011-07-10-1500	450	-3.433	7/10/11 15:00	-0.00763	134	
2011-07-10-1600	400	-1.949	7/10/11 16:00	-0.00487	135	
2011-07-10-1700	400	-2.307	7/10/11 17:00	-0.00577	136	
2011-07-10-1800	400	-2.263	7/10/11 18:00	-0.00566	137	
2011-07-10-1900	350	-2.351	7/10/11 19:00	-0.00672	138	
2011-07-10-2000	350	-7.497	7/10/11 20:00	-0.02142	139	
2011-07-10-2100	361	-10.136	7/10/11 21:00	-0.02808	140	
2011-07-10-2200	255	-4.352	7/10/11 22:00	-0.01707	141	
2011-07-11-0000	300	4.171	7/11/11 0:00	0.013903	142	
2011-07-11-0100	206	2.79	7/11/11 1:00	0.013544	143	
2011-07-11-0200	276	3.058	7/11/11 2:00	0.01108	144	
2011-07-11-0700	385	0.813	7/11/11 7:00	0.002112	145	
2011-07-11-0800	579	-2.356	7/11/11 8:00	-0.00407	146	
2011-07-11-0900	284	-8.437	7/11/11 9:00	-0.02971	147	
2011-07-11-1000	211	-0.571	7/11/11 10:00	-0.00271	148	
2011-07-12-0100	100	-0.144	7/12/11 1:00	-0.00144	149	
2011-07-12-0200	200	1.515	7/12/11 2:00	0.007575	150	
2011-07-12-0300	100	-0.278	7/12/11 3:00	-0.00278	151	
2011-07-12-0700	383	-3.075	7/12/11 7:00	-0.00803	152	
2011-07-12-0800	350	-8.929	7/12/11 8:00	-0.02551	153	
2011-07-12-2200	189	1.139	7/12/11 22:00	0.006026	154	
2011-07-12-2300	401	4.206	7/12/11 23:00	0.010489	155	
2011-07-13-0000	502	5.575	7/13/11 0:00	0.011106	156	
2011-07-13-0100	294	2.858	7/13/11 1:00	0.009721	157	
2011-07-13-0200	210	1.279	7/13/11 2:00	0.00609	158	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-07-13-0500	210	1.255	7/13/11 5:00	0.005976	159	
2011-07-13-0600	210	1.08	7/13/11 6:00	0.005143	160	
2011-07-13-0700	158	0.452	7/13/11 7:00	0.002861	161	
2011-07-13-0800	574	6.789	7/13/11 8:00	0.011828	162	
2011-07-13-0900	628	2.038	7/13/11 9:00	0.003245	163	
2011-07-13-1000	345	-4.411	7/13/11 10:00	-0.01279	164	
2011-07-13-1100	125	-4.413	7/13/11 11:00	-0.0353	165	
2011-07-13-2300	250	-1.94	7/13/11 23:00	-0.00776	166	
2011-07-14-0000	125	0.21	7/14/11 0:00	0.00168	167	
2011-07-14-0800	211	1.002	7/14/11 8:00	0.004749	168	
2011-07-14-0900	311	0.329	7/14/11 9:00	0.001058	169	
2011-07-14-1000	340	-6.551	7/14/11 10:00	-0.01927	170	
2011-07-14-2100	150	-4.867	7/14/11 21:00	-0.03245	171	
2011-07-14-2200	350	-1.448	7/14/11 22:00	-0.00414	172	
2011-07-14-2300	211	1.777	7/14/11 23:00	0.008422	173	
2011-07-15-0000	211	1.601	7/15/11 0:00	0.007588	174	
2011-07-15-0700	215	0.866	7/15/11 7:00	0.004028	175	
2011-07-15-0800	213	0.928	7/15/11 8:00	0.004357	176	
2011-07-15-0900	248	1.446	7/15/11 9:00	0.005831	177	
2011-07-15-1000	259	1.646	7/15/11 10:00	0.006355	178	
2011-07-15-1100	453	1.431	7/15/11 11:00	0.003159	179	
2011-07-15-1200	211	-3.926	7/15/11 12:00	-0.01861	180	
2011-07-15-1900	151	-4.106	7/15/11 19:00	-0.02719	181	
2011-07-15-2000	311	-6.673	7/15/11 20:00	-0.02146	182	
2011-07-15-2100	491	-6.423	7/15/11 21:00	-0.01308	183	
2011-07-15-2200	285	-0.855	7/15/11 22:00	-0.003	184	
2011-07-15-2300	225	0.244	7/15/11 23:00	0.001084	185	
2011-07-17-1000	199	0.814	7/17/11 10:00	0.00409	186	
2011-07-17-1100	255	0.925	7/17/11 11:00	0.003627	187	
2011-07-17-1200	321	0.038	7/17/11 12:00	0.000118	188	
2011-07-17-1300	179	-3.111	7/17/11 13:00	-0.01738	189	
2011-07-17-1400	151	-3.352	7/17/11 14:00	-0.0222	190	
2011-07-17-1500	149	-3.321	7/17/11 15:00	-0.02229	191	
2011-07-17-1600	148	-2.461	7/17/11 16:00	-0.01663	192	
2011-07-17-1700	150	-2.187	7/17/11 17:00	-0.01458	193	
2011-07-17-1800	150	-2.009	7/17/11 18:00	-0.01339	194	
2011-07-17-2000	149	-2.857	7/17/11 20:00	-0.01917	195	
2011-07-17-2100	279	-5.381	7/17/11 21:00	-0.01929	196	
2011-07-17-2200	303	-5.044	7/17/11 22:00	-0.01665	197	
2011-07-17-2300	299	-3.256	7/17/11 23:00	-0.01089	198	
2011-07-18-0800	385	-1.054	7/18/11 8:00	-0.00274	199	
2011-07-18-0900	185	-4.027	7/18/11 9:00	-0.02177	200	
2011-07-18-1900	100	0.892	7/18/11 19:00	0.00892	201	
2011-07-19-0700	299	-1.901	7/19/11 7:00	-0.00636	202	
2011-07-19-0800	299	-6.085	7/19/11 8:00	-0.02035	203	
2011-07-20-0200	100	-0.187	7/20/11 2:00	-0.00187	204	
2011-07-20-0300	174	0.665	7/20/11 3:00	0.003822	205	
2011-07-20-0800	349	-3.743	7/20/11 8:00	-0.01072	206	
2011-07-20-2200	110	1.317	7/20/11 22:00	0.011973	207	
2011-07-20-2300	149	2.55	7/20/11 23:00	0.017114	208	
2011-07-21-0000	149	-4.48	7/21/11 0:00	-0.03007	209	
2011-07-21-0100	210	-3.308	7/21/11 1:00	-0.01575	210	
2011-07-21-0200	211	-0.752	7/21/11 2:00	-0.00356	211	
2011-07-21-0300	210	0.673	7/21/11 3:00	0.003205	212	
2011-07-21-0400	210	1.11	7/21/11 4:00	0.005286	213	
2011-07-21-0500	278	2.037	7/21/11 5:00	0.007327	214	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-07-21-0600	233	1.516	7/21/11 6:00	0.006506	215	
2011-07-21-0700	450	-2.197	7/21/11 7:00	-0.00488	216	
2011-07-21-0800	199	-4.796	7/21/11 8:00	-0.0241	217	
2011-07-21-1600	150	-0.159	7/21/11 16:00	-0.00106	218	
2011-07-21-1700	231	-0.103	7/21/11 17:00	-0.00045	219	
2011-07-21-1800	300	-0.518	7/21/11 18:00	-0.00173	220	
2011-07-21-1900	219	-0.75	7/21/11 19:00	-0.00342	221	
2011-07-21-2000	100	-0.994	7/21/11 20:00	-0.00994	222	
2011-07-21-2100	175	-0.794	7/21/11 21:00	-0.00454	223	
2011-07-21-2200	273	0.007	7/21/11 22:00	2.56E-05	224	
2011-07-21-2300	263	1.586	7/21/11 23:00	0.00603	225	
2011-07-22-0000	109	-2.026	7/22/11 0:00	-0.01859	226	
2011-07-22-0100	249	0.776	7/22/11 1:00	0.003116	227	
2011-07-22-0200	399	5.015	7/22/11 2:00	0.012569	228	
2011-07-22-0300	399	4.722	7/22/11 3:00	0.011835	229	
2011-07-22-0400	399	4.339	7/22/11 4:00	0.010875	230	
2011-07-22-0500	396	5.096	7/22/11 5:00	0.012869	231	
2011-07-22-0600	399	6.004	7/22/11 6:00	0.015048	232	
2011-07-22-0700	246	2.743	7/22/11 7:00	0.01115	233	
2011-07-22-2100	150	1.008	7/22/11 21:00	0.00672	234	
2011-07-22-2200	150	1.575	7/22/11 22:00	0.0105	235	
2011-07-24-0200	299	-3.632	7/24/11 2:00	-0.01215	236	
2011-07-24-0300	298	-0.853	7/24/11 3:00	-0.00286	237	
2011-07-24-0900	100	0.819	7/24/11 9:00	0.00819	238	
2011-07-25-0700	257	1.948	7/25/11 7:00	0.00758	239	
2011-07-25-0800	445	1.554	7/25/11 8:00	0.003492	240	
2011-07-25-0900	283	-1.09	7/25/11 9:00	-0.00385	241	
2011-07-25-1000	145	-3.396	7/25/11 10:00	-0.02342	242	
2011-07-25-1100	100	1.124	7/25/11 11:00	0.01124	243	
2011-07-26-0000	210	0.555	7/26/11 0:00	0.002643	244	
2011-07-26-0100	208	2.184	7/26/11 1:00	0.0105	245	
2011-07-26-0500	157	1.539	7/26/11 5:00	0.009803	246	
2011-07-26-0600	310	3.894	7/26/11 6:00	0.012561	247	
2011-07-26-0700	371	2.822	7/26/11 7:00	0.007606	248	
2011-07-26-0800	449	-0.549	7/26/11 8:00	-0.00122	249	
2011-07-26-0900	112	-3.483	7/26/11 9:00	-0.0311	250	
2011-07-27-0700	124	0.804	7/27/11 7:00	0.006484	251	
2011-07-27-0800	249	-3.295	7/27/11 8:00	-0.01323	252	
2011-07-28-0200	211	3.237	7/28/11 2:00	0.015341	253	
2011-07-28-0300	368	4.951	7/28/11 3:00	0.013454	254	
2011-07-28-0400	356	4.74	7/28/11 4:00	0.013315	255	
2011-07-28-0500	308	4.227	7/28/11 5:00	0.013724	256	
2011-07-28-0600	325	4.669	7/28/11 6:00	0.014366	257	
2011-07-28-0700	276	1.257	7/28/11 7:00	0.004554	258	
2011-07-28-0800	149	-2.5	7/28/11 8:00	-0.01678	259	
2011-07-29-0100	105	-0.689	7/29/11 1:00	-0.00656	260	
2011-07-29-0400	319	2.72	7/29/11 4:00	0.008527	261	
2011-07-29-0500	319	2.876	7/29/11 5:00	0.009016	262	
2011-07-29-0600	319	2.82	7/29/11 6:00	0.00884	263	
2011-07-29-0700	296	2.426	7/29/11 7:00	0.008196	264	
2011-07-30-0000	100	-2.756	7/30/11 0:00	-0.02756	265	
2011-07-30-0100	200	-1.137	7/30/11 1:00	-0.00569	266	
2011-07-30-0200	211	-0.591	7/30/11 2:00	-0.0028	267	
2011-07-30-0300	211	0.354	7/30/11 3:00	0.001678	268	
2011-07-30-0400	419	3.685	7/30/11 4:00	0.008795	269	
2011-07-30-0500	347	3.068	7/30/11 5:00	0.008841	270	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor		
2011-07-30-0600	407	3.822	7/30/11 6:00	0.009391	271			
2011-07-30-0700	158	0.267	7/30/11 7:00	0.00169	272			
2011-07-30-0800	211	0.877	7/30/11 8:00	0.004156	273			
2011-07-30-1100	250	0.027	7/30/11 11:00	0.000108	274			
2011-07-30-1800	142	0.382	7/30/11 18:00	0.00269	275			
2011-07-30-1900	222	-1.791	7/30/11 19:00	-0.00807	276			
2011-07-30-2000	220	-3.645	7/30/11 20:00	-0.01657	277			
2011-07-30-2100	321	-3.049	7/30/11 21:00	-0.0095	278			
2011-07-30-2200	325	-1.197	7/30/11 22:00	-0.00368	279			
2011-07-30-2300	325	2.137	7/30/11 23:00	0.006575	280			
2011-07-31-0000	385	3.002	7/31/11 0:00	0.007797	281			
2011-07-31-0100	328	2.015	7/31/11 1:00	0.006143	282			
2011-07-31-0200	246	1.128	7/31/11 2:00	0.004585	283			
2011-07-31-0900	209	0.799	7/31/11 9:00	0.003823	284			
2011-07-31-1000	311	1.863	7/31/11 10:00	0.00599	285			
2011-07-31-1100	299	1.573	7/31/11 11:00	0.005261	286			
2011-07-31-1200	150	-0.772	7/31/11 12:00	-0.00515	287			
2011-07-31-1400	223	1.235	7/31/11 14:00	0.005538	288			
2011-07-31-1500	198	1.328	7/31/11 15:00	0.006707	289			
2011-07-31-1600	149	1.693	7/31/11 16:00	0.011362	290			
2011-07-31-1700	209	2.615	7/31/11 17:00	0.012512	291			
2011-07-31-1800	199	2.397	7/31/11 18:00	0.012045	292			
2011-07-31-1900	249	2.789	7/31/11 19:00	0.011201	293			
2011-07-31-2000	249	0.823	7/31/11 20:00	0.003305	294			
2011-07-31-2100	248	-0.125	7/31/11 21:00	-0.0005	295			
2011-07-31-2300	181	-4.019	7/31/11 23:00	-0.0222	296			
2011-08-01-0000	411	2.624	8/1/11 0:00	0.006384	1	296	101,511	106
2011-08-01-0100	329	2.787	8/1/11 1:00	0.008471	2	avg	343	0.359 0.105%
2011-08-01-0200	329	2.479	8/1/11 2:00	0.007535	3			
2011-08-01-0300	329	2.268	8/1/11 3:00	0.006894	4			
2011-08-01-0400	329	2.15	8/1/11 4:00	0.006535	5			
2011-08-01-0500	329	2.087	8/1/11 5:00	0.006343	6			
2011-08-01-0600	329	1.945	8/1/11 6:00	0.005912	7			
2011-08-01-0700	313	1.499	8/1/11 7:00	0.004789	8			
2011-08-01-0800	249	-0.584	8/1/11 8:00	-0.00235	9			
2011-08-02-0000	124	-3.503	8/2/11 0:00	-0.02825	10			
2011-08-02-0100	325	0.056	8/2/11 1:00	0.000172	11			
2011-08-02-0200	281	1.963	8/2/11 2:00	0.006986	12			
2011-08-02-0300	281	1.629	8/2/11 3:00	0.005797	13			
2011-08-02-0400	281	1.746	8/2/11 4:00	0.006214	14			
2011-08-02-0500	279	1.762	8/2/11 5:00	0.006315	15			
2011-08-02-0600	322	2.411	8/2/11 6:00	0.007488	16			
2011-08-02-0700	223	1.055	8/2/11 7:00	0.004731	17			
2011-08-02-0800	149	-3.718	8/2/11 8:00	-0.02495	18			
2011-08-03-0100	200	-0.282	8/3/11 1:00	-0.00141	19			
2011-08-03-0200	200	-0.391	8/3/11 2:00	-0.00196	20			
2011-08-03-0300	200	-0.314	8/3/11 3:00	-0.00157	21			
2011-08-03-0400	200	-0.098	8/3/11 4:00	-0.00049	22			
2011-08-03-0500	200	-0.185	8/3/11 5:00	-0.00093	23			
2011-08-03-0600	200	-0.47	8/3/11 6:00	-0.00235	24			
2011-08-03-0700	278	0.365	8/3/11 7:00	0.001313	25			
2011-08-03-0800	200	-0.813	8/3/11 8:00	-0.00407	26			
2011-08-04-0200	150	-4.236	8/4/11 2:00	-0.02824	27			
2011-08-04-0300	200	-3.372	8/4/11 3:00	-0.01686	28			
2011-08-04-0400	200	-2.376	8/4/11 4:00	-0.01188	29			
2011-08-04-0500	399	0.166	8/4/11 5:00	0.000416	30			

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-08-04-0600	398	-0.257	8/4/11 6:00	-0.00065	31	
2011-08-04-0700	279	-1.984	8/4/11 7:00	-0.00711	32	
2011-08-04-0800	386	-2.332	8/4/11 8:00	-0.00604	33	
2011-08-04-0900	151	-5.205	8/4/11 9:00	-0.03447	34	
2011-08-05-0000	100	-3.216	8/5/11 0:00	-0.03216	35	
2011-08-05-0100	149	0.624	8/5/11 1:00	0.004188	36	
2011-08-05-0200	150	0.776	8/5/11 2:00	0.005173	37	
2011-08-05-0300	150	0.829	8/5/11 3:00	0.005527	38	
2011-08-05-0400	150	0.812	8/5/11 4:00	0.005413	39	
2011-08-05-0500	150	0.644	8/5/11 5:00	0.004293	40	
2011-08-05-0600	150	0.569	8/5/11 6:00	0.003793	41	
2011-08-05-0700	230	1.73	8/5/11 7:00	0.007522	42	
2011-08-05-0800	251	1.39	8/5/11 8:00	0.005538	43	
2011-08-05-0900	174	-0.367	8/5/11 9:00	-0.00211	44	
2011-08-05-1700	121	1.8	8/5/11 17:00	0.014876	45	
2011-08-05-1800	141	1.786	8/5/11 18:00	0.012667	46	
2011-08-05-1900	262	-0.163	8/5/11 19:00	-0.00062	47	
2011-08-05-2000	291	-2.502	8/5/11 20:00	-0.0086	48	
2011-08-05-2100	150	-2.722	8/5/11 21:00	-0.01815	49	
2011-08-05-2200	286	-5.907	8/5/11 22:00	-0.02065	50	
2011-08-05-2300	203	1.574	8/5/11 23:00	0.007754	51	
2011-08-06-0000	159	0.688	8/6/11 0:00	0.004327	52	
2011-08-06-0100	150	0.146	8/6/11 1:00	0.000973	53	
2011-08-06-0200	150	0.057	8/6/11 2:00	0.00038	54	
2011-08-06-0300	150	-0.011	8/6/11 3:00	-7.3E-05	55	
2011-08-06-0400	147	-0.057	8/6/11 4:00	-0.00039	56	
2011-08-06-0500	149	-0.084	8/6/11 5:00	-0.00056	57	
2011-08-06-0600	150	-0.031	8/6/11 6:00	-0.00021	58	
2011-08-06-0700	366	2.147	8/6/11 7:00	0.005866	59	
2011-08-06-0800	366	2.336	8/6/11 8:00	0.006383	60	
2011-08-06-0900	403	3.159	8/6/11 9:00	0.007839	61	
2011-08-06-1000	411	3.315	8/6/11 10:00	0.008066	62	
2011-08-06-1100	243	0.95	8/6/11 11:00	0.003909	63	
2011-08-06-1200	274	-3.182	8/6/11 12:00	-0.01161	64	
2011-08-06-1300	325	-8.707	8/6/11 13:00	-0.02679	65	
2011-08-06-1400	376	-6.202	8/6/11 14:00	-0.01649	66	
2011-08-06-1500	246	-2.527	8/6/11 15:00	-0.01027	67	
2011-08-06-1600	265	-4.157	8/6/11 16:00	-0.01569	68	
2011-08-06-1700	249	-3.879	8/6/11 17:00	-0.01558	69	
2011-08-06-1800	248	-3.815	8/6/11 18:00	-0.01538	70	
2011-08-06-1900	249	-5.107	8/6/11 19:00	-0.02051	71	
2011-08-06-2000	247	-4.427	8/6/11 20:00	-0.01792	72	
2011-08-06-2100	249	-1.3	8/6/11 21:00	-0.00522	73	
2011-08-06-2200	249	1.041	8/6/11 22:00	0.004181	74	
2011-08-06-2300	250	0.962	8/6/11 23:00	0.003848	75	
2011-08-07-0000	250	1.013	8/7/11 0:00	0.004052	76	
2011-08-07-0100	150	0.026	8/7/11 1:00	0.000173	77	
2011-08-07-0200	150	-0.049	8/7/11 2:00	-0.00033	78	
2011-08-07-0300	144	-0.113	8/7/11 3:00	-0.00078	79	
2011-08-07-0400	141	-0.164	8/7/11 4:00	-0.00116	80	
2011-08-07-0500	146	-0.064	8/7/11 5:00	-0.00044	81	
2011-08-07-0600	150	0.035	8/7/11 6:00	0.000233	82	
2011-08-07-0700	150	0.114	8/7/11 7:00	0.00076	83	
2011-08-07-0800	146	0.077	8/7/11 8:00	0.000527	84	
2011-08-07-0900	208	0.843	8/7/11 9:00	0.004053	85	
2011-08-07-1000	217	0.974	8/7/11 10:00	0.004488	86	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-08-07-1100	229	0.897	8/7/11 11:00	0.003917	87	
2011-08-07-1200	280	1.379	8/7/11 12:00	0.004925	88	
2011-08-07-1300	458	0.456	8/7/11 13:00	0.000996	89	
2011-08-07-1400	408	-9.258	8/7/11 14:00	-0.02269	90	
2011-08-07-1500	267	-8.235	8/7/11 15:00	-0.03084	91	
2011-08-07-1600	258	-3.794	8/7/11 16:00	-0.01471	92	
2011-08-07-1700	268	-1.4	8/7/11 17:00	-0.00522	93	
2011-08-07-1800	219	-0.188	8/7/11 18:00	-0.00086	94	
2011-08-07-1900	271	-1.125	8/7/11 19:00	-0.00415	95	
2011-08-07-2000	356	1.235	8/7/11 20:00	0.003469	96	
2011-08-07-2100	316	0.987	8/7/11 21:00	0.003123	97	
2011-08-07-2200	315	-2.615	8/7/11 22:00	-0.0083	98	
2011-08-07-2300	316	-8.182	8/7/11 23:00	-0.02589	99	
2011-08-08-0000	316	-4.975	8/8/11 0:00	-0.01574	100	
2011-08-08-0100	316	-0.5	8/8/11 1:00	-0.00158	101	
2011-08-08-0200	216	0.787	8/8/11 2:00	0.003644	102	
2011-08-08-0300	216	0.621	8/8/11 3:00	0.002875	103	
2011-08-08-0400	216	0.58	8/8/11 4:00	0.002685	104	
2011-08-08-0500	214	0.736	8/8/11 5:00	0.003439	105	
2011-08-08-0600	286	1.863	8/8/11 6:00	0.006514	106	
2011-08-08-0700	368	0.088	8/8/11 7:00	0.000239	107	
2011-08-08-0800	198	-6.091	8/8/11 8:00	-0.03076	108	
2011-08-08-1500	175	0.201	8/8/11 15:00	0.001149	109	
2011-08-08-1600	289	1.376	8/8/11 16:00	0.004761	110	
2011-08-08-1700	399	2.87	8/8/11 17:00	0.007193	111	
2011-08-08-1800	340	2.73	8/8/11 18:00	0.008029	112	
2011-08-08-1900	298	2.857	8/8/11 19:00	0.009587	113	
2011-08-08-2000	306	3.8	8/8/11 20:00	0.012418	114	
2011-08-09-0000	100	-2.969	8/9/11 0:00	-0.02969	115	
2011-08-09-0600	430	4.048	8/9/11 6:00	0.009414	116	
2011-08-09-0700	219	1.623	8/9/11 7:00	0.007411	117	
2011-08-09-0800	300	0.62	8/9/11 8:00	0.002067	118	
2011-08-10-0900	335	-0.355	8/10/11 9:00	-0.00106	119	
2011-08-10-1000	200	-6.78	8/10/11 10:00	-0.0339	120	
2011-08-11-0900	149	0.156	8/11/11 9:00	0.001047	121	
2011-08-11-1000	149	0.458	8/11/11 10:00	0.003074	122	
2011-08-11-1100	245	0.04	8/11/11 11:00	0.000163	123	
2011-08-11-1200	100	-3.3	8/11/11 12:00	-0.033	124	
2011-08-13-2100	149	-0.333	8/13/11 21:00	-0.00223	125	
2011-08-14-1600	202	-4.905	8/14/11 16:00	-0.02428	126	
2011-08-14-1700	126	-2.517	8/14/11 17:00	-0.01998	127	
2011-08-14-2100	250	-2.204	8/14/11 21:00	-0.00882	128	
2011-08-15-0700	231	-0.537	8/15/11 7:00	-0.00232	129	
2011-08-15-0800	317	-3.131	8/15/11 8:00	-0.00988	130	
2011-08-15-2100	250	-5.443	8/15/11 21:00	-0.02177	131	
2011-08-15-2200	300	0.478	8/15/11 22:00	0.001593	132	
2011-08-15-2300	159	0.537	8/15/11 23:00	0.003377	133	
2011-08-16-1000	300	0.773	8/16/11 10:00	0.002577	134	
2011-08-16-1100	164	-1.925	8/16/11 11:00	-0.01174	135	
2011-08-16-1800	153	-3.421	8/16/11 18:00	-0.02236	136	
2011-08-16-1900	219	-5.352	8/16/11 19:00	-0.02444	137	
2011-08-16-2000	368	-5.044	8/16/11 20:00	-0.01371	138	
2011-08-16-2100	404	-3.983	8/16/11 21:00	-0.00986	139	
2011-08-16-2200	300	1.341	8/16/11 22:00	0.00447	140	
2011-08-17-0800	300	1.911	8/17/11 8:00	0.00637	141	
2011-08-17-0900	553	1.19	8/17/11 9:00	0.002152	142	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-08-17-1000	300	-6.34	8/17/11 10:00	-0.02113	143	
2011-08-17-1900	150	0.601	8/17/11 19:00	0.004007	144	
2011-08-18-0600	233	1.113	8/18/11 6:00	0.004777	145	
2011-08-18-0700	462	3.524	8/18/11 7:00	0.007628	146	
2011-08-18-0800	484	3.585	8/18/11 8:00	0.007407	147	
2011-08-18-0900	493	4.553	8/18/11 9:00	0.009235	148	
2011-08-18-1000	482	3.733	8/18/11 10:00	0.007745	149	
2011-08-18-1100	285	-0.427	8/18/11 11:00	-0.0015	150	
2011-08-18-1200	310	-6.617	8/18/11 12:00	-0.02135	151	
2011-08-18-1300	284	-1.388	8/18/11 13:00	-0.00489	152	
2011-08-18-1400	300	1.157	8/18/11 14:00	0.003857	153	
2011-08-18-1500	250	2.395	8/18/11 15:00	0.00958	154	
2011-08-18-1600	271	2.512	8/18/11 16:00	0.009269	155	
2011-08-18-1700	275	2.129	8/18/11 17:00	0.007742	156	
2011-08-18-1800	337	1.285	8/18/11 18:00	0.003813	157	
2011-08-18-2200	125	-2.308	8/18/11 22:00	-0.01846	158	
2011-08-18-2300	150	0.319	8/18/11 23:00	0.002127	159	
2011-08-19-0500	120	0.034	8/19/11 5:00	0.000283	160	
2011-08-19-0600	357	0.832	8/19/11 6:00	0.002331	161	
2011-08-19-0700	425	-0.13	8/19/11 7:00	-0.00031	162	
2011-08-19-0800	508	0.613	8/19/11 8:00	0.001207	163	
2011-08-19-0900	300	-0.526	8/19/11 9:00	-0.00175	164	
2011-08-19-1000	125	-3.523	8/19/11 10:00	-0.02818	165	
2011-08-19-1400	221	1.213	8/19/11 14:00	0.005489	166	
2011-08-19-1500	200	1.14	8/19/11 15:00	0.0057	167	
2011-08-19-1600	250	-0.522	8/19/11 16:00	-0.00209	168	
2011-08-19-1700	200	-0.78	8/19/11 17:00	-0.0039	169	
2011-08-19-1900	150	-3.26	8/19/11 19:00	-0.02173	170	
2011-08-19-2000	300	-7.317	8/19/11 20:00	-0.02439	171	
2011-08-19-2100	148	-2.917	8/19/11 21:00	-0.01971	172	
2011-08-19-2200	150	0.004	8/19/11 22:00	2.67E-05	173	
2011-08-20-1100	375	-3.675	8/20/11 11:00	-0.0098	174	
2011-08-20-2200	100	-2.271	8/20/11 22:00	-0.02271	175	
2011-08-21-1000	175	-1.507	8/21/11 10:00	-0.00861	176	
2011-08-23-1200	103	-2.9	8/23/11 12:00	-0.02816	177	
2011-08-24-0700	150	0.832	8/24/11 7:00	0.005547	178	
2011-08-24-0800	150	0.054	8/24/11 8:00	0.00036	179	
2011-08-24-0900	400	-3.172	8/24/11 9:00	-0.00793	180	
2011-08-24-1000	310	-8.634	8/24/11 10:00	-0.02785	181	
2011-08-24-2100	250	2.579	8/24/11 21:00	0.010316	182	
2011-08-24-2200	113	-0.907	8/24/11 22:00	-0.00803	183	
2011-08-25-0600	138	-0.188	8/25/11 6:00	-0.00136	184	
2011-08-25-0700	272	1.277	8/25/11 7:00	0.004695	185	
2011-08-25-0800	150	0.113	8/25/11 8:00	0.000753	186	
2011-08-25-0900	150	-4.814	8/25/11 9:00	-0.03209	187	
2011-08-26-0800	300	0.933	8/26/11 8:00	0.00311	188	
2011-08-26-0900	334	1.082	8/26/11 9:00	0.00324	189	
2011-08-26-1000	100	-3.146	8/26/11 10:00	-0.03146	190	
2011-08-26-1300	150	1.733	8/26/11 13:00	0.011553	191	
2011-08-26-2100	100	-2.868	8/26/11 21:00	-0.02868	192	
2011-08-26-2200	100	-2.82	8/26/11 22:00	-0.0282	193	
2011-08-26-2300	105	-0.381	8/26/11 23:00	-0.00363	194	
2011-08-27-0000	170	0.527	8/27/11 0:00	0.0031	195	
2011-08-27-0900	400	1.014	8/27/11 9:00	0.002535	196	
2011-08-27-1000	550	-0.71	8/27/11 10:00	-0.00129	197	
2011-08-27-1100	334	-5.987	8/27/11 11:00	-0.01793	198	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor		
2011-08-27-1200	150	-3.927	8/27/11 12:00	-0.02618	199			
2011-08-27-1300	100	-2.616	8/27/11 13:00	-0.02616	200			
2011-08-29-1200	100	-3.498	8/29/11 12:00	-0.03498	201			
2011-08-29-2100	150	-4.68	8/29/11 21:00	-0.0312	202			
2011-08-29-2200	112	-0.499	8/29/11 22:00	-0.00446	203			
2011-08-30-0700	125	0.197	8/30/11 7:00	0.001576	204			
2011-08-30-0900	150	0.429	8/30/11 9:00	0.00286	205			
2011-08-30-1000	150	0.375	8/30/11 10:00	0.0025	206			
2011-08-30-1100	150	0.188	8/30/11 11:00	0.001253	207			
2011-08-30-1200	350	-4.142	8/30/11 12:00	-0.01183	208			
2011-08-30-1300	138	-4.139	8/30/11 13:00	-0.02999	209			
2011-08-31-0700	136	0.245	8/31/11 7:00	0.001801	210			
2011-09-01-0700	238	1.096	9/1/11 7:00	0.004605	1	210	51,105	-153
2011-09-02-0800	247	0.577	9/2/11 8:00	0.002336	2	avg	243	-0.727 -0.299%
2011-09-02-0900	142	-3.416	9/2/11 9:00	-0.02406	3			
2011-09-03-0900	199	0.579	9/3/11 9:00	0.00291	4			
2011-09-03-1000	397	-2.665	9/3/11 10:00	-0.00671	5			
2011-09-03-1100	100	-1.306	9/3/11 11:00	-0.01306	6			
2011-09-04-0000	199	-3.944	9/4/11 0:00	-0.01982	7			
2011-09-04-1100	193	0.798	9/4/11 11:00	0.004135	8			
2011-09-04-1200	373	2.199	9/4/11 12:00	0.005895	9			
2011-09-04-1300	330	2.089	9/4/11 13:00	0.00633	10			
2011-09-04-1400	304	0.77	9/4/11 14:00	0.002533	11			
2011-09-04-1500	298	0.064	9/4/11 15:00	0.000215	12			
2011-09-04-1600	342	2.664	9/4/11 16:00	0.007789	13			
2011-09-04-1700	342	2.709	9/4/11 17:00	0.007921	14			
2011-09-04-1800	342	2.495	9/4/11 18:00	0.007295	15			
2011-09-04-1900	337	2.49	9/4/11 19:00	0.007389	16			
2011-09-04-2000	200	1.112	9/4/11 20:00	0.00556	17			
2011-09-04-2100	200	0.569	9/4/11 21:00	0.002845	18			
2011-09-04-2200	200	-0.087	9/4/11 22:00	-0.00044	19			
2011-09-05-1000	150	0.099	9/5/11 10:00	0.00066	20			
2011-09-05-1100	200	0.662	9/5/11 11:00	0.00331	21			
2011-09-05-1200	268	1.54	9/5/11 12:00	0.005746	22			
2011-09-05-1500	148	0.124	9/5/11 15:00	0.000838	23			
2011-09-05-1600	148	0.117	9/5/11 16:00	0.000791	24			
2011-09-06-0700	200	1.347	9/6/11 7:00	0.006735	25			
2011-09-06-0800	200	0.998	9/6/11 8:00	0.00499	26			
2011-09-06-1000	125	-0.692	9/6/11 10:00	-0.00554	27			
2011-09-06-1100	488	0.307	9/6/11 11:00	0.000629	28			
2011-09-06-1200	178	-2.438	9/6/11 12:00	-0.0137	29			
2011-09-06-2000	300	0.603	9/6/11 20:00	0.00201	30			
2011-09-06-2100	200	1.061	9/6/11 21:00	0.005305	31			
2011-09-07-0700	200	0.814	9/7/11 7:00	0.00407	32			
2011-09-07-0800	100	0.234	9/7/11 8:00	0.00234	33			
2011-09-07-0900	100	0.31	9/7/11 9:00	0.0031	34			
2011-09-07-1000	150	0.725	9/7/11 10:00	0.004833	35			
2011-09-07-1100	300	1.917	9/7/11 11:00	0.00639	36			
2011-09-07-1200	200	1.013	9/7/11 12:00	0.005065	37			
2011-09-07-1800	200	1.96	9/7/11 18:00	0.0098	38			
2011-09-07-1900	200	1.755	9/7/11 19:00	0.008775	39			
2011-09-07-2000	200	2.044	9/7/11 20:00	0.01022	40			
2011-09-08-0700	200	1.614	9/8/11 7:00	0.00807	41			
2011-09-08-0800	360	2.953	9/8/11 8:00	0.008203	42			
2011-09-08-0900	300	2.298	9/8/11 9:00	0.00766	43			
2011-09-08-1000	199	1.79	9/8/11 10:00	0.008995	44			

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-09-08-1100	200	1.887	9/8/11 11:00	0.009435	45	
2011-09-08-1200	275	2.794	9/8/11 12:00	0.01016	46	
2011-09-08-1300	500	3.016	9/8/11 13:00	0.006032	47	
2011-09-08-1400	500	4.205	9/8/11 14:00	0.00841	48	
2011-09-08-1500	418	3.452	9/8/11 15:00	0.008258	49	
2011-09-08-1600	300	2.245	9/8/11 16:00	0.007483	50	
2011-09-08-1700	100	1.238	9/8/11 17:00	0.01238	51	
2011-09-09-0600	200	0.831	9/9/11 6:00	0.004155	52	
2011-09-09-0700	372	1.897	9/9/11 7:00	0.005099	53	
2011-09-09-0800	250	1.595	9/9/11 8:00	0.00638	54	
2011-09-09-0900	200	1.31	9/9/11 9:00	0.00655	55	
2011-09-10-0900	160	1.352	9/10/11 9:00	0.00845	56	
2011-09-11-1200	200	1.905	9/11/11 12:00	0.009525	57	
2011-09-11-1300	200	2.128	9/11/11 13:00	0.01064	58	
2011-09-11-1400	151	1.741	9/11/11 14:00	0.01153	59	
2011-09-11-1500	255	2.985	9/11/11 15:00	0.011706	60	
2011-09-11-1600	400	5.272	9/11/11 16:00	0.01318	61	
2011-09-11-1700	303	3.932	9/11/11 17:00	0.012977	62	
2011-09-11-1800	450	5.394	9/11/11 18:00	0.011987	63	
2011-09-11-1900	598	6.966	9/11/11 19:00	0.011649	64	
2011-09-11-2000	424	4.721	9/11/11 20:00	0.011134	65	
2011-09-11-2100	517	5.243	9/11/11 21:00	0.010141	66	
2011-09-11-2200	500	4.919	9/11/11 22:00	0.009838	67	
2011-09-11-2300	282	2.51	9/11/11 23:00	0.008901	68	
2011-09-12-0700	290	1.17	9/12/11 7:00	0.004034	69	
2011-09-12-0800	290	1.271	9/12/11 8:00	0.004383	70	
2011-09-12-0900	398	2.34	9/12/11 9:00	0.005879	71	
2011-09-12-1000	398	2.937	9/12/11 10:00	0.007379	72	
2011-09-12-1100	342	2.843	9/12/11 11:00	0.008313	73	
2011-09-12-1200	108	0.142	9/12/11 12:00	0.001315	74	
2011-09-12-1400	100	0.066	9/12/11 14:00	0.00066	75	
2011-09-12-1500	199	0.23	9/12/11 15:00	0.001156	76	
2011-09-12-1600	100	0.783	9/12/11 16:00	0.00783	77	
2011-09-12-1700	100	0.794	9/12/11 17:00	0.00794	78	
2011-09-12-1800	150	0.102	9/12/11 18:00	0.00068	79	
2011-09-12-2100	100	-2.524	9/12/11 21:00	-0.02524	80	
2011-09-12-2200	198	0.907	9/12/11 22:00	0.004581	81	
2011-09-12-2300	152	1.177	9/12/11 23:00	0.007743	82	
2011-09-13-0700	150	0.37	9/13/11 7:00	0.002467	83	
2011-09-13-0800	200	0.642	9/13/11 8:00	0.00321	84	
2011-09-13-0900	200	0.757	9/13/11 9:00	0.003785	85	
2011-09-13-1000	300	2.359	9/13/11 10:00	0.007863	86	
2011-09-13-1100	300	-0.51	9/13/11 11:00	-0.0017	87	
2011-09-13-2200	100	0.606	9/13/11 22:00	0.00606	88	
2011-09-14-0700	150	0.579	9/14/11 7:00	0.00386	89	
2011-09-14-0800	250	1.393	9/14/11 8:00	0.005572	90	
2011-09-14-0900	200	0.716	9/14/11 9:00	0.00358	91	
2011-09-14-1000	200	-4.448	9/14/11 10:00	-0.02224	92	
2011-09-15-0700	179	1.99	9/15/11 7:00	0.011117	93	
2011-09-15-0800	150	1.618	9/15/11 8:00	0.010787	94	
2011-09-19-0700	300	2.297	9/19/11 7:00	0.007657	95	
2011-09-19-0800	400	3.077	9/19/11 8:00	0.007693	96	
2011-09-19-0900	400	2.532	9/19/11 9:00	0.00633	97	
2011-09-19-1000	402	3.014	9/19/11 10:00	0.007498	98	
2011-09-19-1100	450	4.17	9/19/11 11:00	0.009267	99	
2011-09-19-1200	465	4.434	9/19/11 12:00	0.009535	100	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-09-19-1300	350	3.211	9/19/11 13:00	0.009174	101	
2011-09-19-1400	400	3.98	9/19/11 14:00	0.00995	102	
2011-09-19-1600	100	0.555	9/19/11 16:00	0.00555	103	
2011-09-19-1700	303	2.3	9/19/11 17:00	0.007591	104	
2011-09-19-1800	403	3.362	9/19/11 18:00	0.008342	105	
2011-09-19-1900	229	1.603	9/19/11 19:00	0.007	106	
2011-09-19-2000	200	1.151	9/19/11 20:00	0.005755	107	
2011-09-19-2100	352	2.171	9/19/11 21:00	0.006168	108	
2011-09-19-2300	195	1.848	9/19/11 23:00	0.009477	109	
2011-09-20-0700	100	0.728	9/20/11 7:00	0.00728	110	
2011-09-20-0800	486	3.261	9/20/11 8:00	0.00671	111	
2011-09-20-0900	428	1.913	9/20/11 9:00	0.00447	112	
2011-09-20-1000	496	2.728	9/20/11 10:00	0.0055	113	
2011-09-20-1100	484	3.037	9/20/11 11:00	0.006275	114	
2011-09-20-1200	445	2.748	9/20/11 12:00	0.006175	115	
2011-09-20-1300	479	3.365	9/20/11 13:00	0.007025	116	
2011-09-20-1400	676	6.363	9/20/11 14:00	0.009413	117	
2011-09-20-1500	672	6.532	9/20/11 15:00	0.00972	118	
2011-09-20-1600	745	7.686	9/20/11 16:00	0.010317	119	
2011-09-20-1700	828	8.782	9/20/11 17:00	0.010606	120	
2011-09-20-1800	819	8.128	9/20/11 18:00	0.009924	121	
2011-09-20-1900	967	9.755	9/20/11 19:00	0.010088	122	
2011-09-20-2000	897	9.171	9/20/11 20:00	0.010224	123	
2011-09-20-2100	561	5.569	9/20/11 21:00	0.009927	124	
2011-09-20-2200	206	0.916	9/20/11 22:00	0.004447	125	
2011-09-20-2300	206	0.952	9/20/11 23:00	0.004621	126	
2011-09-21-0600	200	0.176	9/21/11 6:00	0.00088	127	
2011-09-21-0700	473	2.15	9/21/11 7:00	0.004545	128	
2011-09-21-0800	498	2.225	9/21/11 8:00	0.004468	129	
2011-09-21-0900	388	1.184	9/21/11 9:00	0.003052	130	
2011-09-21-1000	405	1.601	9/21/11 10:00	0.003953	131	
2011-09-21-1100	489	2.924	9/21/11 11:00	0.00598	132	
2011-09-21-1200	459	3.935	9/21/11 12:00	0.008573	133	
2011-09-21-1300	434	4.414	9/21/11 13:00	0.010171	134	
2011-09-21-1400	479	5.302	9/21/11 14:00	0.011069	135	
2011-09-21-1500	479	4.238	9/21/11 15:00	0.008848	136	
2011-09-21-1600	379	2.255	9/21/11 16:00	0.00595	137	
2011-09-21-1700	364	3.678	9/21/11 17:00	0.010104	138	
2011-09-21-1800	287	1.538	9/21/11 18:00	0.005359	139	
2011-09-21-1900	399	2.51	9/21/11 19:00	0.006291	140	
2011-09-21-2000	400	0.138	9/21/11 20:00	0.000345	141	
2011-09-21-2100	248	-1.292	9/21/11 21:00	-0.00521	142	
2011-09-21-2200	287	2.117	9/21/11 22:00	0.007376	143	
2011-09-22-0600	349	1.393	9/22/11 6:00	0.003991	144	
2011-09-22-0700	300	1.275	9/22/11 7:00	0.00425	145	
2011-09-22-0800	400	2.29	9/22/11 8:00	0.005725	146	
2011-09-22-0900	405	2.854	9/22/11 9:00	0.007047	147	
2011-09-22-1000	522	4.862	9/22/11 10:00	0.009314	148	
2011-09-22-1100	506	5.092	9/22/11 11:00	0.010063	149	
2011-09-22-1200	375	3.882	9/22/11 12:00	0.010352	150	
2011-09-22-1300	396	4.576	9/22/11 13:00	0.011556	151	
2011-09-22-1400	300	2.433	9/22/11 14:00	0.00811	152	
2011-09-22-1500	199	0.916	9/22/11 15:00	0.004603	153	
2011-09-22-1600	213	-0.25	9/22/11 16:00	-0.00117	154	
2011-09-22-1800	200	-0.694	9/22/11 18:00	-0.00347	155	
2011-09-22-1900	350	2.24	9/22/11 19:00	0.0064	156	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-09-22-2000	448	4.106	9/22/11 20:00	0.009165	157	
2011-09-22-2100	432	3.69	9/22/11 21:00	0.008542	158	
2011-09-22-2200	400	3.177	9/22/11 22:00	0.007943	159	
2011-09-22-2300	303	2.118	9/22/11 23:00	0.00699	160	
2011-09-23-0000	103	-0.076	9/23/11 0:00	-0.00074	161	
2011-09-23-0600	398	1.383	9/23/11 6:00	0.003475	162	
2011-09-23-0700	696	5.669	9/23/11 7:00	0.008145	163	
2011-09-23-0800	697	6.657	9/23/11 8:00	0.009551	164	
2011-09-23-0900	469	3.386	9/23/11 9:00	0.00722	165	
2011-09-23-1000	561	4.635	9/23/11 10:00	0.008262	166	
2011-09-23-1100	484	5.552	9/23/11 11:00	0.011471	167	
2011-09-23-1300	163	1.55	9/23/11 13:00	0.009509	168	
2011-09-23-1400	150	1.509	9/23/11 14:00	0.01006	169	
2011-09-23-1500	429	5.359	9/23/11 15:00	0.012492	170	
2011-09-23-1600	429	4.661	9/23/11 16:00	0.010865	171	
2011-09-23-1700	352	3.945	9/23/11 17:00	0.011207	172	
2011-09-23-1800	348	3.76	9/23/11 18:00	0.010805	173	
2011-09-23-1900	427	4.807	9/23/11 19:00	0.011258	174	
2011-09-23-2000	488	5.516	9/23/11 20:00	0.011303	175	
2011-09-23-2100	394	3.716	9/23/11 21:00	0.009431	176	
2011-09-23-2200	398	3.416	9/23/11 22:00	0.008583	177	
2011-09-23-2300	398	3.14	9/23/11 23:00	0.007889	178	
2011-09-24-0000	431	3.514	9/24/11 0:00	0.008153	179	
2011-09-24-0100	474	3.998	9/24/11 1:00	0.008435	180	
2011-09-24-0200	472	4.13	9/24/11 2:00	0.00875	181	
2011-09-24-0300	469	4.024	9/24/11 3:00	0.00858	182	
2011-09-24-0400	465	3.944	9/24/11 4:00	0.008482	183	
2011-09-24-0500	415	3.29	9/24/11 5:00	0.007928	184	
2011-09-24-0600	398	2.696	9/24/11 6:00	0.006774	185	
2011-09-24-0700	398	2.613	9/24/11 7:00	0.006565	186	
2011-09-24-0800	398	2.949	9/24/11 8:00	0.00741	187	
2011-09-24-0900	397	3.303	9/24/11 9:00	0.00832	188	
2011-09-24-1000	518	4.55	9/24/11 10:00	0.008784	189	
2011-09-24-1100	398	3.304	9/24/11 11:00	0.008302	190	
2011-09-24-1200	400	3.351	9/24/11 12:00	0.008378	191	
2011-09-24-1300	400	3.349	9/24/11 13:00	0.008373	192	
2011-09-24-1400	400	3.316	9/24/11 14:00	0.00829	193	
2011-09-24-1500	400	3.266	9/24/11 15:00	0.008165	194	
2011-09-24-1600	400	3.304	9/24/11 16:00	0.00826	195	
2011-09-24-1700	400	3.451	9/24/11 17:00	0.008628	196	
2011-09-24-1800	400	3.301	9/24/11 18:00	0.008253	197	
2011-09-24-1900	400	3.194	9/24/11 19:00	0.007985	198	
2011-09-24-2000	400	3.182	9/24/11 20:00	0.007955	199	
2011-09-24-2100	398	2.838	9/24/11 21:00	0.007131	200	
2011-09-24-2200	398	2.855	9/24/11 22:00	0.007173	201	
2011-09-24-2300	398	2.702	9/24/11 23:00	0.006789	202	
2011-09-25-0000	424	2.632	9/25/11 0:00	0.006208	203	
2011-09-25-0100	394	2.509	9/25/11 1:00	0.006368	204	
2011-09-25-1000	200	1.136	9/25/11 10:00	0.00568	205	
2011-09-25-1100	200	1.112	9/25/11 11:00	0.00556	206	
2011-09-25-1200	329	2.58	9/25/11 12:00	0.007842	207	
2011-09-25-1300	429	3.953	9/25/11 13:00	0.009214	208	
2011-09-25-1400	429	4.114	9/25/11 14:00	0.00959	209	
2011-09-25-1500	429	3.807	9/25/11 15:00	0.008874	210	
2011-09-25-1600	429	3.882	9/25/11 16:00	0.009049	211	
2011-09-25-1700	429	4.267	9/25/11 17:00	0.009946	212	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-09-25-1800	429	4.038	9/25/11 18:00	0.009413	213	
2011-09-25-1900	324	2.902	9/25/11 19:00	0.008957	214	
2011-09-25-2000	348	3.099	9/25/11 20:00	0.008905	215	
2011-09-25-2100	298	2.119	9/25/11 21:00	0.007111	216	
2011-09-25-2200	398	3.623	9/25/11 22:00	0.009103	217	
2011-09-25-2300	398	3.463	9/25/11 23:00	0.008701	218	
2011-09-26-0000	200	1.473	9/26/11 0:00	0.007365	219	
2011-09-26-0100	200	1.529	9/26/11 1:00	0.007645	220	
2011-09-26-0200	397	3.747	9/26/11 2:00	0.009438	221	
2011-09-26-0600	302	2.063	9/26/11 6:00	0.006831	222	
2011-09-26-0700	400	3.222	9/26/11 7:00	0.008055	223	
2011-09-26-0800	455	3.927	9/26/11 8:00	0.008631	224	
2011-09-26-0900	458	4.565	9/26/11 9:00	0.009967	225	
2011-09-26-1000	380	3.392	9/26/11 10:00	0.008926	226	
2011-09-26-1100	350	3.278	9/26/11 11:00	0.009366	227	
2011-09-26-1200	352	3.797	9/26/11 12:00	0.010787	228	
2011-09-26-1300	298	2.715	9/26/11 13:00	0.009111	229	
2011-09-26-1400	250	2.277	9/26/11 14:00	0.009108	230	
2011-09-26-1500	249	2.389	9/26/11 15:00	0.009594	231	
2011-09-26-1600	225	2.052	9/26/11 16:00	0.00912	232	
2011-09-26-1700	249	2.253	9/26/11 17:00	0.009048	233	
2011-09-26-1800	350	3.099	9/26/11 18:00	0.008854	234	
2011-09-26-1900	200	1.501	9/26/11 19:00	0.007505	235	
2011-09-26-2000	200	1.519	9/26/11 20:00	0.007595	236	
2011-09-26-2100	200	1.535	9/26/11 21:00	0.007675	237	
2011-09-26-2200	200	1.693	9/26/11 22:00	0.008465	238	
2011-09-27-0600	299	2.514	9/27/11 6:00	0.008408	239	
2011-09-27-0700	407	3.625	9/27/11 7:00	0.008907	240	
2011-09-27-0800	680	5.992	9/27/11 8:00	0.008812	241	
2011-09-27-0900	659	6.56	9/27/11 9:00	0.009954	242	
2011-09-27-1000	300	2.844	9/27/11 10:00	0.00948	243	
2011-09-27-1100	306	3.444	9/27/11 11:00	0.011255	244	
2011-09-27-1200	456	5.521	9/27/11 12:00	0.012107	245	
2011-09-27-1300	440	2.703	9/27/11 13:00	0.006143	246	
2011-09-27-1500	170	0.593	9/27/11 15:00	0.003488	247	
2011-09-27-1600	261	3.132	9/27/11 16:00	0.012	248	
2011-09-27-1700	411	4.986	9/27/11 17:00	0.012131	249	
2011-09-27-1800	385	4.815	9/27/11 18:00	0.012506	250	
2011-09-27-1900	333	4.467	9/27/11 19:00	0.013414	251	
2011-09-27-2000	200	2.548	9/27/11 20:00	0.01274	252	
2011-09-27-2100	701	9.966	9/27/11 21:00	0.014217	253	
2011-09-27-2200	300	3.425	9/27/11 22:00	0.011417	254	
2011-09-27-2300	200	2.076	9/27/11 23:00	0.01038	255	
2011-09-28-0600	280	2.406	9/28/11 6:00	0.008593	256	
2011-09-28-0700	500	5.204	9/28/11 7:00	0.010408	257	
2011-09-28-0800	682	7.337	9/28/11 8:00	0.010758	258	
2011-09-28-0900	553	6.092	9/28/11 9:00	0.011016	259	
2011-09-28-1000	630	7.252	9/28/11 10:00	0.011511	260	
2011-09-28-1100	536	6.548	9/28/11 11:00	0.012216	261	
2011-09-28-1200	510	6.5	9/28/11 12:00	0.012745	262	
2011-09-28-1300	490	6.295	9/28/11 13:00	0.012847	263	
2011-09-28-1400	525	6.623	9/28/11 14:00	0.012615	264	
2011-09-28-1500	500	6.649	9/28/11 15:00	0.013298	265	
2011-09-28-1600	554	7.322	9/28/11 16:00	0.013217	266	
2011-09-28-1700	575	7.339	9/28/11 17:00	0.012763	267	
2011-09-28-1800	600	7.569	9/28/11 18:00	0.012615	268	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor		
2011-09-28-1900	600	7.43	9/28/11 19:00	0.012383	269			
2011-09-28-2000	543	6.966	9/28/11 20:00	0.012829	270			
2011-09-28-2100	548	7.335	9/28/11 21:00	0.013385	271			
2011-09-28-2200	563	6.369	9/28/11 22:00	0.011313	272			
2011-09-28-2300	282	2.992	9/28/11 23:00	0.01061	273			
2011-09-29-0000	200	2.091	9/29/11 0:00	0.010455	274			
2011-09-29-0100	169	1.666	9/29/11 1:00	0.009858	275			
2011-09-29-0600	200	1.705	9/29/11 6:00	0.008525	276			
2011-09-29-0700	355	3.067	9/29/11 7:00	0.008639	277			
2011-09-29-0800	580	5.616	9/29/11 8:00	0.009683	278			
2011-09-29-0900	480	5.05	9/29/11 9:00	0.010521	279			
2011-09-29-1000	480	5.082	9/29/11 10:00	0.010588	280			
2011-09-29-1100	480	5.21	9/29/11 11:00	0.010854	281			
2011-09-29-1200	336	4.123	9/29/11 12:00	0.012271	282			
2011-09-29-1300	300	3.87	9/29/11 13:00	0.0129	283			
2011-09-29-1400	275	2.999	9/29/11 14:00	0.010905	284			
2011-09-29-1500	250	2.591	9/29/11 15:00	0.010364	285			
2011-09-29-1600	200	2.141	9/29/11 16:00	0.010705	286			
2011-09-29-1700	200	2.775	9/29/11 17:00	0.013875	287			
2011-09-29-1800	208	2.056	9/29/11 18:00	0.009885	288			
2011-09-29-1900	250	2.374	9/29/11 19:00	0.009496	289			
2011-09-29-2000	275	2.638	9/29/11 20:00	0.009593	290			
2011-09-29-2100	275	2.987	9/29/11 21:00	0.010862	291			
2011-09-29-2200	282	3.461	9/29/11 22:00	0.012273	292			
2011-09-30-0200	117	0.831	9/30/11 2:00	0.007103	293			
2011-09-30-0600	382	3.674	9/30/11 6:00	0.009618	294			
2011-09-30-0700	301	3.163	9/30/11 7:00	0.010508	295			
2011-09-30-0800	365	3.663	9/30/11 8:00	0.010036	296			
2011-09-30-0900	318	3.14	9/30/11 9:00	0.009874	297			
2011-09-30-1000	308	3.02	9/30/11 10:00	0.009805	298			
2011-09-30-1100	305	3.031	9/30/11 11:00	0.009938	299			
2011-09-30-1200	308	3.451	9/30/11 12:00	0.011205	300			
2011-09-30-1300	295	3.275	9/30/11 13:00	0.011102	301			
2011-09-30-1400	276	3.131	9/30/11 14:00	0.011344	302			
2011-09-30-1500	318	3.333	9/30/11 15:00	0.010481	303			
2011-09-30-1600	307	2.934	9/30/11 16:00	0.009557	304			
2011-09-30-1700	277	2.374	9/30/11 17:00	0.00857	305			
2011-09-30-1800	271	2.099	9/30/11 18:00	0.007745	306			
2011-09-30-1900	265	1.864	9/30/11 19:00	0.007034	307			
2011-09-30-2000	267	1.579	9/30/11 20:00	0.005914	308			
2011-10-01-0900	358	1.159	10/1/11 9:00	0.003237	1	308	106,233	868
2011-10-01-1000	378	1.561	10/1/11 10:00	0.00413	2	avg	345	2.818 0.817%
2011-10-01-1100	378	1.341	10/1/11 11:00	0.003548	3			
2011-10-01-1200	395	1.846	10/1/11 12:00	0.004673	4			
2011-10-01-1300	395	2.272	10/1/11 13:00	0.005752	5			
2011-10-01-1400	395	2.298	10/1/11 14:00	0.005818	6			
2011-10-01-1500	224	1.293	10/1/11 15:00	0.005772	7			
2011-10-01-1600	198	0.95	10/1/11 16:00	0.004798	8			
2011-10-01-1700	198	0.979	10/1/11 17:00	0.004944	9			
2011-10-01-1800	396	1.97	10/1/11 18:00	0.004975	10			
2011-10-01-1900	496	2.755	10/1/11 19:00	0.005554	11			
2011-10-01-2000	498	3.034	10/1/11 20:00	0.006092	12			
2011-10-01-2100	396	2.086	10/1/11 21:00	0.005268	13			
2011-10-02-0800	298	1.062	10/2/11 8:00	0.003564	14			
2011-10-02-0900	298	1.204	10/2/11 9:00	0.00404	15			
2011-10-02-1000	395	1.813	10/2/11 10:00	0.00459	16			

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-10-02-1100	394	1.668	10/2/11 11:00	0.004234	17	
2011-10-02-1200	398	1.718	10/2/11 12:00	0.004317	18	
2011-10-02-1300	394	1.752	10/2/11 13:00	0.004447	19	
2011-10-02-1400	398	2.079	10/2/11 14:00	0.005224	20	
2011-10-02-1500	398	2.015	10/2/11 15:00	0.005063	21	
2011-10-02-1600	398	2.061	10/2/11 16:00	0.005178	22	
2011-10-02-1700	398	1.665	10/2/11 17:00	0.004183	23	
2011-10-02-1800	427	1.931	10/2/11 18:00	0.004522	24	
2011-10-02-1900	598	2.506	10/2/11 19:00	0.004191	25	
2011-10-02-2000	598	2.198	10/2/11 20:00	0.003676	26	
2011-10-02-2100	498	2.307	10/2/11 21:00	0.004633	27	
2011-10-02-2200	396	2.093	10/2/11 22:00	0.005285	28	
2011-10-03-0300	380	1.098	10/3/11 3:00	0.002889	29	
2011-10-03-0400	380	1.691	10/3/11 4:00	0.00445	30	
2011-10-03-0500	380	1.637	10/3/11 5:00	0.004308	31	
2011-10-03-0600	380	1.158	10/3/11 6:00	0.003047	32	
2011-10-03-0700	380	1.621	10/3/11 7:00	0.004266	33	
2011-10-03-0800	333	1.946	10/3/11 8:00	0.005844	34	
2011-10-03-0900	433	3.158	10/3/11 9:00	0.007293	35	
2011-10-03-1000	383	3.328	10/3/11 10:00	0.008689	36	
2011-10-03-1100	433	3.356	10/3/11 11:00	0.007751	37	
2011-10-03-1200	384	2.879	10/3/11 12:00	0.007497	38	
2011-10-03-1300	374	2.84	10/3/11 13:00	0.007594	39	
2011-10-03-1400	373	3.089	10/3/11 14:00	0.008282	40	
2011-10-03-1500	373	3.067	10/3/11 15:00	0.008223	41	
2011-10-03-1600	373	3.004	10/3/11 16:00	0.008054	42	
2011-10-03-1700	373	3.022	10/3/11 17:00	0.008102	43	
2011-10-03-1800	373	2.919	10/3/11 18:00	0.007826	44	
2011-10-03-1900	473	3.762	10/3/11 19:00	0.007953	45	
2011-10-03-2000	373	2.539	10/3/11 20:00	0.006807	46	
2011-10-03-2100	393	2.875	10/3/11 21:00	0.007316	47	
2011-10-03-2200	373	2.673	10/3/11 22:00	0.007166	48	
2011-10-03-2300	298	1.948	10/3/11 23:00	0.006537	49	
2011-10-04-0500	273	1.719	10/4/11 5:00	0.006297	50	
2011-10-04-0600	448	2.299	10/4/11 6:00	0.005132	51	
2011-10-04-0700	578	3.91	10/4/11 7:00	0.006765	52	
2011-10-04-0800	578	4.603	10/4/11 8:00	0.007964	53	
2011-10-04-0900	378	2.964	10/4/11 9:00	0.007841	54	
2011-10-04-1000	378	3.113	10/4/11 10:00	0.008235	55	
2011-10-04-1100	378	3.25	10/4/11 11:00	0.008598	56	
2011-10-04-1200	378	3.564	10/4/11 12:00	0.009429	57	
2011-10-04-1300	466	4.595	10/4/11 13:00	0.009861	58	
2011-10-04-1400	416	3.992	10/4/11 14:00	0.009596	59	
2011-10-04-1500	416	3.832	10/4/11 15:00	0.009212	60	
2011-10-04-1600	416	3.866	10/4/11 16:00	0.009293	61	
2011-10-04-1700	416	4.369	10/4/11 17:00	0.010502	62	
2011-10-04-1800	416	3.787	10/4/11 18:00	0.009103	63	
2011-10-04-1900	416	3.764	10/4/11 19:00	0.009048	64	
2011-10-04-2000	383	3.578	10/4/11 20:00	0.009342	65	
2011-10-04-2100	382	3.145	10/4/11 21:00	0.008233	66	
2011-10-04-2200	324	2.381	10/4/11 22:00	0.007349	67	
2011-10-05-0500	287	2.024	10/5/11 5:00	0.007052	68	
2011-10-05-0600	384	3.032	10/5/11 6:00	0.007896	69	
2011-10-05-0700	499	4.472	10/5/11 7:00	0.008962	70	
2011-10-05-0800	499	4.773	10/5/11 8:00	0.009565	71	
2011-10-05-0900	399	4.037	10/5/11 9:00	0.010118	72	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-10-05-1000	399	4.21	10/5/11 10:00	0.010551	73	
2011-10-05-1100	399	4.458	10/5/11 11:00	0.011173	74	
2011-10-05-1200	487	5.363	10/5/11 12:00	0.011012	75	
2011-10-05-1300	411	4.791	10/5/11 13:00	0.011657	76	
2011-10-05-1400	450	5.104	10/5/11 14:00	0.011342	77	
2011-10-05-1500	484	5.337	10/5/11 15:00	0.011027	78	
2011-10-05-1600	484	4.965	10/5/11 16:00	0.010258	79	
2011-10-05-1700	484	5.091	10/5/11 17:00	0.010519	80	
2011-10-05-1800	484	5.222	10/5/11 18:00	0.010789	81	
2011-10-05-1900	484	5.644	10/5/11 19:00	0.011661	82	
2011-10-05-2000	408	5.017	10/5/11 20:00	0.012297	83	
2011-10-05-2100	403	4.805	10/5/11 21:00	0.011923	84	
2011-10-05-2200	311	3.187	10/5/11 22:00	0.010248	85	
2011-10-06-0500	411	4.181	10/6/11 5:00	0.010173	86	
2011-10-06-0600	411	4.091	10/6/11 6:00	0.009954	87	
2011-10-06-0700	561	5.645	10/6/11 7:00	0.010062	88	
2011-10-06-0800	745	8.61	10/6/11 8:00	0.011557	89	
2011-10-06-0900	546	6.573	10/6/11 9:00	0.012038	90	
2011-10-06-1000	576	6.8	10/6/11 10:00	0.011806	91	
2011-10-06-1100	175	1.42	10/6/11 11:00	0.008114	92	
2011-10-06-1200	359	3.977	10/6/11 12:00	0.011078	93	
2011-10-06-1300	861	9.817	10/6/11 13:00	0.011402	94	
2011-10-06-1400	833	7.987	10/6/11 14:00	0.009588	95	
2011-10-06-1500	686	5.801	10/6/11 15:00	0.008456	96	
2011-10-06-1600	686	5.865	10/6/11 16:00	0.00855	97	
2011-10-06-1700	682	5.475	10/6/11 17:00	0.008028	98	
2011-10-06-1800	680	5.334	10/6/11 18:00	0.007844	99	
2011-10-06-1900	680	6	10/6/11 19:00	0.008824	100	
2011-10-06-2000	680	7.741	10/6/11 20:00	0.011384	101	
2011-10-06-2100	680	7.906	10/6/11 21:00	0.011626	102	
2011-10-06-2200	593	6.836	10/6/11 22:00	0.011528	103	
2011-10-06-2300	411	4.221	10/6/11 23:00	0.01027	104	
2011-10-07-0400	298	2.346	10/7/11 4:00	0.007872	105	
2011-10-07-0500	411	3.605	10/7/11 5:00	0.008771	106	
2011-10-07-0600	404	3.002	10/7/11 6:00	0.007431	107	
2011-10-07-0700	481	4.001	10/7/11 7:00	0.008318	108	
2011-10-07-0800	728	7.629	10/7/11 8:00	0.010479	109	
2011-10-07-0900	630	6.433	10/7/11 9:00	0.010211	110	
2011-10-07-1000	729	7.492	10/7/11 10:00	0.010277	111	
2011-10-07-1100	611	6.482	10/7/11 11:00	0.010609	112	
2011-10-07-1200	511	5.725	10/7/11 12:00	0.011204	113	
2011-10-07-1300	411	4.63	10/7/11 13:00	0.011265	114	
2011-10-07-1400	311	3.396	10/7/11 14:00	0.01092	115	
2011-10-07-1500	236	2.334	10/7/11 15:00	0.00989	116	
2011-10-07-1600	186	1.808	10/7/11 16:00	0.00972	117	
2011-10-07-1700	149	1.303	10/7/11 17:00	0.008745	118	
2011-10-07-1800	136	0.986	10/7/11 18:00	0.00725	119	
2011-10-07-1900	348	3.595	10/7/11 19:00	0.01033	120	
2011-10-07-2000	448	5.184	10/7/11 20:00	0.011571	121	
2011-10-07-2100	348	3.723	10/7/11 21:00	0.010698	122	
2011-10-07-2200	148	1.217	10/7/11 22:00	0.008223	123	
2011-10-08-0600	448	4.399	10/8/11 6:00	0.009819	124	
2011-10-08-0700	711	7.772	10/8/11 7:00	0.010931	125	
2011-10-08-0800	549	5.974	10/8/11 8:00	0.010882	126	
2011-10-08-0900	550	5.925	10/8/11 9:00	0.010773	127	
2011-10-08-1000	550	5.753	10/8/11 10:00	0.01046	128	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-10-08-1100	551	6.071	10/8/11 11:00	0.011018	129	
2011-10-08-1200	375	4.163	10/8/11 12:00	0.011101	130	
2011-10-08-1300	275	3.026	10/8/11 13:00	0.011004	131	
2011-10-08-1400	250	2.956	10/8/11 14:00	0.011824	132	
2011-10-08-1500	175	1.909	10/8/11 15:00	0.010909	133	
2011-10-08-1600	150	1.446	10/8/11 16:00	0.00964	134	
2011-10-08-1900	150	1.449	10/8/11 19:00	0.00966	135	
2011-10-08-2000	200	2.181	10/8/11 20:00	0.010905	136	
2011-10-08-2100	200	1.894	10/8/11 21:00	0.00947	137	
2011-10-08-2200	200	1.789	10/8/11 22:00	0.008945	138	
2011-10-08-2300	150	1.129	10/8/11 23:00	0.007527	139	
2011-10-09-1100	200	1.409	10/9/11 11:00	0.007045	140	
2011-10-09-1200	200	1.572	10/9/11 12:00	0.00786	141	
2011-10-09-1300	273	2.263	10/9/11 13:00	0.008289	142	
2011-10-09-1400	299	2.638	10/9/11 14:00	0.008823	143	
2011-10-09-1500	300	2.788	10/9/11 15:00	0.009293	144	
2011-10-09-1600	500	4.833	10/9/11 16:00	0.009666	145	
2011-10-09-1700	550	5.148	10/9/11 17:00	0.00936	146	
2011-10-09-1800	571	5.041	10/9/11 18:00	0.008828	147	
2011-10-09-1900	822	8.061	10/9/11 19:00	0.009807	148	
2011-10-09-2000	750	7.42	10/9/11 20:00	0.009893	149	
2011-10-09-2100	651	6	10/9/11 21:00	0.009217	150	
2011-10-09-2200	551	4.719	10/9/11 22:00	0.008564	151	
2011-10-09-2300	200	0.875	10/9/11 23:00	0.004375	152	
2011-10-10-0500	551	4.192	10/10/11 5:00	0.007608	153	
2011-10-10-0600	551	4.451	10/10/11 6:00	0.008078	154	
2011-10-10-0700	851	8.421	10/10/11 7:00	0.009895	155	
2011-10-10-0800	998	11.422	10/10/11 8:00	0.011445	156	
2011-10-10-0900	950	11.555	10/10/11 9:00	0.012163	157	
2011-10-10-1000	851	10.842	10/10/11 10:00	0.01274	158	
2011-10-10-1100	549	6.896	10/10/11 11:00	0.012561	159	
2011-10-10-1200	551	6.983	10/10/11 12:00	0.012673	160	
2011-10-10-1300	551	7.096	10/10/11 13:00	0.012878	161	
2011-10-10-1400	400	3.85	10/10/11 14:00	0.009625	162	
2011-10-10-1500	300	1.507	10/10/11 15:00	0.005023	163	
2011-10-10-1600	250	2.903	10/10/11 16:00	0.011612	164	
2011-10-10-1700	300	3.609	10/10/11 17:00	0.01203	165	
2011-10-10-1800	350	4.378	10/10/11 18:00	0.012509	166	
2011-10-10-1900	450	5.605	10/10/11 19:00	0.012456	167	
2011-10-10-2000	400	4.307	10/10/11 20:00	0.010768	168	
2011-10-10-2100	350	4.298	10/10/11 21:00	0.01228	169	
2011-10-10-2200	400	4.697	10/10/11 22:00	0.011743	170	
2011-10-10-2300	300	2.988	10/10/11 23:00	0.00996	171	
2011-10-11-0000	100	0.857	10/11/11 0:00	0.00857	172	
2011-10-11-0600	238	2.299	10/11/11 6:00	0.00966	173	
2011-10-11-0700	663	8.178	10/11/11 7:00	0.012335	174	
2011-10-11-0800	670	9.502	10/11/11 8:00	0.014182	175	
2011-10-11-0900	550	8.058	10/11/11 9:00	0.014651	176	
2011-10-11-1000	551	8.527	10/11/11 10:00	0.015475	177	
2011-10-11-1100	551	8.67	10/11/11 11:00	0.015735	178	
2011-10-11-1200	551	8.818	10/11/11 12:00	0.016004	179	
2011-10-11-1300	551	8.359	10/11/11 13:00	0.015171	180	
2011-10-11-1400	551	8.338	10/11/11 14:00	0.015132	181	
2011-10-11-1500	549	8.226	10/11/11 15:00	0.014984	182	
2011-10-11-1600	550	8.218	10/11/11 16:00	0.014942	183	
2011-10-11-1700	550	7.98	10/11/11 17:00	0.014509	184	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-10-11-1800	625	8.434	10/11/11 18:00	0.013494	185	
2011-10-11-1900	600	8.644	10/11/11 19:00	0.014407	186	
2011-10-11-2000	550	7.838	10/11/11 20:00	0.014251	187	
2011-10-11-2100	550	7.443	10/11/11 21:00	0.013533	188	
2011-10-11-2200	399	5.046	10/11/11 22:00	0.012647	189	
2011-10-11-2300	300	3.308	10/11/11 23:00	0.011027	190	
2011-10-12-0000	100	0.861	10/12/11 0:00	0.00861	191	
2011-10-12-0600	538	5.445	10/12/11 6:00	0.010121	192	
2011-10-12-0700	765	8.903	10/12/11 7:00	0.011638	193	
2011-10-12-0800	800	8.312	10/12/11 8:00	0.01039	194	
2011-10-12-0900	551	2.796	10/12/11 9:00	0.005074	195	
2011-10-12-1000	667	1.861	10/12/11 10:00	0.00279	196	
2011-10-12-1100	601	3.308	10/12/11 11:00	0.005504	197	
2011-10-12-1200	451	1.214	10/12/11 12:00	0.002692	198	
2011-10-12-1300	438	1.137	10/12/11 13:00	0.002596	199	
2011-10-12-1400	438	-0.129	10/12/11 14:00	-0.00029	200	
2011-10-12-1500	438	-0.813	10/12/11 15:00	-0.00186	201	
2011-10-12-1600	538	0.388	10/12/11 16:00	0.000721	202	
2011-10-12-1700	538	-1.235	10/12/11 17:00	-0.0023	203	
2011-10-12-1800	563	3.764	10/12/11 18:00	0.006686	204	
2011-10-12-1900	488	-0.08	10/12/11 19:00	-0.00016	205	
2011-10-12-2000	438	-3.403	10/12/11 20:00	-0.00777	206	
2011-10-12-2100	588	-1.429	10/12/11 21:00	-0.00243	207	
2011-10-12-2200	639	2.608	10/12/11 22:00	0.004081	208	
2011-10-13-0500	300	2.247	10/13/11 5:00	0.00749	209	
2011-10-13-0600	600	6.34	10/13/11 6:00	0.010567	210	
2011-10-13-0700	503	5.703	10/13/11 7:00	0.011338	211	
2011-10-13-0800	503	1.398	10/13/11 8:00	0.002779	212	
2011-10-13-0900	503	-1.569	10/13/11 9:00	-0.00312	213	
2011-10-13-1000	600	-0.031	10/13/11 10:00	-5.2E-05	214	
2011-10-13-1100	549	-0.638	10/13/11 11:00	-0.00116	215	
2011-10-13-1200	499	-1.137	10/13/11 12:00	-0.00228	216	
2011-10-13-1300	499	0.889	10/13/11 13:00	0.001782	217	
2011-10-13-1400	349	4.387	10/13/11 14:00	0.01257	218	
2011-10-13-1500	402	4.964	10/13/11 15:00	0.012348	219	
2011-10-13-1600	451	5.614	10/13/11 16:00	0.012448	220	
2011-10-13-1700	500	6.124	10/13/11 17:00	0.012248	221	
2011-10-13-1800	575	7.103	10/13/11 18:00	0.012353	222	
2011-10-13-1900	500	6.611	10/13/11 19:00	0.013222	223	
2011-10-13-2000	400	5.338	10/13/11 20:00	0.013345	224	
2011-10-13-2100	450	5.107	10/13/11 21:00	0.011349	225	
2011-10-13-2200	638	7.517	10/13/11 22:00	0.011782	226	
2011-10-13-2300	300	1.666	10/13/11 23:00	0.005553	227	
2011-10-14-0500	300	1.297	10/14/11 5:00	0.004323	228	
2011-10-14-0600	600	5.002	10/14/11 6:00	0.008337	229	
2011-10-14-0700	525	3.67	10/14/11 7:00	0.00699	230	
2011-10-14-0800	550	4.599	10/14/11 8:00	0.008362	231	
2011-10-14-0900	550	5.248	10/14/11 9:00	0.009542	232	
2011-10-14-1000	550	4.869	10/14/11 10:00	0.008853	233	
2011-10-14-1100	525	4.364	10/14/11 11:00	0.008312	234	
2011-10-14-1200	475	1.769	10/14/11 12:00	0.003724	235	
2011-10-14-1600	149	0.811	10/14/11 16:00	0.005443	236	
2011-10-14-1700	350	2.486	10/14/11 17:00	0.007103	237	
2011-10-14-1800	475	3.823	10/14/11 18:00	0.008048	238	
2011-10-14-1900	600	5.272	10/14/11 19:00	0.008787	239	
2011-10-14-2000	638	6.458	10/14/11 20:00	0.010122	240	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-10-14-2100	450	3.65	10/14/11 21:00	0.008111	241	
2011-10-15-0800	200	1.579	10/15/11 8:00	0.007895	242	
2011-10-15-0900	200	1.733	10/15/11 9:00	0.008665	243	
2011-10-15-1000	159	1.715	10/15/11 10:00	0.010786	244	
2011-10-15-1100	100	1.083	10/15/11 11:00	0.01083	245	
2011-10-15-1200	100	0.954	10/15/11 12:00	0.00954	246	
2011-10-15-1300	135	1.336	10/15/11 13:00	0.009896	247	
2011-10-15-1400	185	1.811	10/15/11 14:00	0.009789	248	
2011-10-15-1500	188	1.736	10/15/11 15:00	0.009234	249	
2011-10-15-2000	150	1.371	10/15/11 20:00	0.00914	250	
2011-10-16-1000	150	0.661	10/16/11 10:00	0.004407	251	
2011-10-16-1100	400	3.145	10/16/11 11:00	0.007863	252	
2011-10-16-1200	350	3.17	10/16/11 12:00	0.009057	253	
2011-10-17-0500	300	2.835	10/17/11 5:00	0.00945	254	
2011-10-17-0600	551	5.995	10/17/11 6:00	0.01088	255	
2011-10-17-0700	551	6.39	10/17/11 7:00	0.011597	256	
2011-10-17-0800	551	6.582	10/17/11 8:00	0.011946	257	
2011-10-17-0900	200	1.746	10/17/11 9:00	0.00873	258	
2011-10-17-1000	200	2.152	10/17/11 10:00	0.01076	259	
2011-10-17-1100	100	1.335	10/17/11 11:00	0.01335	260	
2011-10-17-1800	100	0.447	10/17/11 18:00	0.00447	261	
2011-10-18-0500	349	3.226	10/18/11 5:00	0.009244	262	
2011-10-18-0600	423	4.276	10/18/11 6:00	0.010109	263	
2011-10-18-0700	100	-0.12	10/18/11 7:00	-0.0012	264	
2011-10-18-0800	273	2.756	10/18/11 8:00	0.010095	265	
2011-10-18-0900	400	4.453	10/18/11 9:00	0.011133	266	
2011-10-18-1000	300	2.814	10/18/11 10:00	0.00938	267	
2011-10-18-1100	313	3.605	10/18/11 11:00	0.011518	268	
2011-10-18-1200	426	5.781	10/18/11 12:00	0.01357	269	
2011-10-18-1300	434	3.849	10/18/11 13:00	0.008869	270	
2011-10-18-1400	450	2.722	10/18/11 14:00	0.006049	271	
2011-10-18-1500	398	1.525	10/18/11 15:00	0.003832	272	
2011-10-18-1600	400	1.451	10/18/11 16:00	0.003628	273	
2011-10-18-1700	450	2.191	10/18/11 17:00	0.004869	274	
2011-10-18-1800	350	0.695	10/18/11 18:00	0.001986	275	
2011-10-18-1900	250	-0.932	10/18/11 19:00	-0.00373	276	
2011-10-18-2000	250	-0.958	10/18/11 20:00	-0.00383	277	
2011-10-18-2100	400	2.73	10/18/11 21:00	0.006825	278	
2011-10-18-2200	600	7.408	10/18/11 22:00	0.012347	279	
2011-10-18-2300	550	6.487	10/18/11 23:00	0.011795	280	
2011-10-19-0000	550	6.203	10/19/11 0:00	0.011278	281	
2011-10-19-0100	300	2.948	10/19/11 1:00	0.009827	282	
2011-10-19-0200	300	2.945	10/19/11 2:00	0.009817	283	
2011-10-19-0300	300	3.021	10/19/11 3:00	0.01007	284	
2011-10-19-0400	300	2.952	10/19/11 4:00	0.00984	285	
2011-10-19-0500	300	3	10/19/11 5:00	0.01	286	
2011-10-19-0600	550	6.448	10/19/11 6:00	0.011724	287	
2011-10-19-0700	551	3.486	10/19/11 7:00	0.006327	288	
2011-10-19-0800	701	0.949	10/19/11 8:00	0.001354	289	
2011-10-19-0900	550	-0.96	10/19/11 9:00	-0.00175	290	
2011-10-19-1000	550	1.179	10/19/11 10:00	0.002144	291	
2011-10-19-1100	551	1.147	10/19/11 11:00	0.002082	292	
2011-10-19-1200	701	3.008	10/19/11 12:00	0.004291	293	
2011-10-19-1300	701	2.953	10/19/11 13:00	0.004213	294	
2011-10-19-1400	650	2.988	10/19/11 14:00	0.004597	295	
2011-10-19-1500	651	2.936	10/19/11 15:00	0.00451	296	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-10-19-1600	650	2.928	10/19/11 16:00	0.004505	297	
2011-10-19-1700	701	2.871	10/19/11 17:00	0.004096	298	
2011-10-19-1800	475	-2.243	10/19/11 18:00	-0.00472	299	
2011-10-19-1900	100	-2.639	10/19/11 19:00	-0.02639	300	
2011-10-19-2000	298	-2.395	10/19/11 20:00	-0.00804	301	
2011-10-19-2100	420	-0.31	10/19/11 21:00	-0.00074	302	
2011-10-19-2200	400	5.555	10/19/11 22:00	0.013888	303	
2011-10-19-2300	400	5.612	10/19/11 23:00	0.01403	304	
2011-10-20-0100	100	1.16	10/20/11 1:00	0.0116	305	
2011-10-20-0300	100	0.976	10/20/11 3:00	0.00976	306	
2011-10-20-0400	100	1.063	10/20/11 4:00	0.01063	307	
2011-10-20-0500	549	7.3	10/20/11 5:00	0.013297	308	
2011-10-20-0600	800	8.642	10/20/11 6:00	0.010803	309	
2011-10-20-0700	525	0.785	10/20/11 7:00	0.001495	310	
2011-10-20-0800	447	-0.434	10/20/11 8:00	-0.00097	311	
2011-10-20-0900	595	-0.497	10/20/11 9:00	-0.00084	312	
2011-10-20-1000	598	-2.401	10/20/11 10:00	-0.00402	313	
2011-10-20-1100	472	-4.118	10/20/11 11:00	-0.00872	314	
2011-10-20-1200	524	-3.296	10/20/11 12:00	-0.00629	315	
2011-10-20-1300	500	-3.558	10/20/11 13:00	-0.00712	316	
2011-10-20-1400	550	-2.812	10/20/11 14:00	-0.00511	317	
2011-10-20-1500	696	-0.704	10/20/11 15:00	-0.00101	318	
2011-10-20-1600	698	-0.411	10/20/11 16:00	-0.00059	319	
2011-10-20-1700	700	-0.035	10/20/11 17:00	-0.00005	320	
2011-10-20-1800	641	0.081	10/20/11 18:00	0.000126	321	
2011-10-20-1900	500	-0.105	10/20/11 19:00	-0.00021	322	
2011-10-20-2000	450	-0.303	10/20/11 20:00	-0.00067	323	
2011-10-20-2100	491	6.766	10/20/11 21:00	0.01378	324	
2011-10-20-2200	650	8.845	10/20/11 22:00	0.013608	325	
2011-10-20-2300	550	7.166	10/20/11 23:00	0.013029	326	
2011-10-21-0000	550	7.009	10/21/11 0:00	0.012744	327	
2011-10-21-0100	450	5.266	10/21/11 1:00	0.011702	328	
2011-10-21-0500	450	4.194	10/21/11 5:00	0.00932	329	
2011-10-21-0600	750	8.276	10/21/11 6:00	0.011035	330	
2011-10-21-0700	550	5.389	10/21/11 7:00	0.009798	331	
2011-10-21-0800	450	2.693	10/21/11 8:00	0.005984	332	
2011-10-21-0900	599	4.516	10/21/11 9:00	0.007539	333	
2011-10-21-1000	698	6.771	10/21/11 10:00	0.009701	334	
2011-10-21-1100	800	9.738	10/21/11 11:00	0.012173	335	
2011-10-21-1200	850	10.817	10/21/11 12:00	0.012726	336	
2011-10-21-1300	818	6.228	10/21/11 13:00	0.007614	337	
2011-10-21-1400	600	5.52	10/21/11 14:00	0.0092	338	
2011-10-21-1500	700	8.499	10/21/11 15:00	0.012141	339	
2011-10-21-1600	798	10.194	10/21/11 16:00	0.012774	340	
2011-10-21-1700	919	12.265	10/21/11 17:00	0.013346	341	
2011-10-21-1800	918	12.732	10/21/11 18:00	0.013869	342	
2011-10-21-1900	918	12.899	10/21/11 19:00	0.014051	343	
2011-10-21-2000	918	13.2	10/21/11 20:00	0.014379	344	
2011-10-21-2100	917	13.053	10/21/11 21:00	0.014234	345	
2011-10-21-2200	917	12.319	10/21/11 22:00	0.013434	346	
2011-10-21-2300	551	6.861	10/21/11 23:00	0.012452	347	
2011-10-22-0000	551	6.144	10/22/11 0:00	0.011151	348	
2011-10-22-0100	651	8.062	10/22/11 1:00	0.012384	349	
2011-10-22-0200	651	7.852	10/22/11 2:00	0.012061	350	
2011-10-22-0300	651	7.627	10/22/11 3:00	0.011716	351	
2011-10-22-0400	651	7.516	10/22/11 4:00	0.011545	352	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-10-22-0500	651	7.542	10/22/11 5:00	0.011585	353	
2011-10-22-0600	651	7.856	10/22/11 6:00	0.012068	354	
2011-10-22-0700	700	8.85	10/22/11 7:00	0.012643	355	
2011-10-22-0800	700	9.488	10/22/11 8:00	0.013554	356	
2011-10-22-0900	650	8.09	10/22/11 9:00	0.012446	357	
2011-10-22-1000	550	6.431	10/22/11 10:00	0.011693	358	
2011-10-22-1100	638	7.442	10/22/11 11:00	0.011665	359	
2011-10-22-1200	800	9.293	10/22/11 12:00	0.011616	360	
2011-10-22-1300	949	10.27	10/22/11 13:00	0.010822	361	
2011-10-22-1400	1049	11.448	10/22/11 14:00	0.010913	362	
2011-10-22-1500	1100	12.169	10/22/11 15:00	0.011063	363	
2011-10-22-1600	1152	12.893	10/22/11 16:00	0.011192	364	
2011-10-22-1700	1152	13.082	10/22/11 17:00	0.011356	365	
2011-10-22-1800	1126	13.104	10/22/11 18:00	0.011638	366	
2011-10-22-1900	931	10.329	10/22/11 19:00	0.011095	367	
2011-10-22-2000	950	10.583	10/22/11 20:00	0.01114	368	
2011-10-22-2100	925	11.562	10/22/11 21:00	0.012499	369	
2011-10-22-2200	400	3.71	10/22/11 22:00	0.009275	370	
2011-10-22-2300	100	0.897	10/22/11 23:00	0.00897	371	
2011-10-23-0000	100	0.775	10/23/11 0:00	0.00775	372	
2011-10-23-0100	100	0.87	10/23/11 1:00	0.0087	373	
2011-10-23-0200	100	0.833	10/23/11 2:00	0.00833	374	
2011-10-23-0300	400	3.123	10/23/11 3:00	0.007808	375	
2011-10-23-0400	651	6.143	10/23/11 4:00	0.009436	376	
2011-10-23-0500	651	5.927	10/23/11 5:00	0.009104	377	
2011-10-23-0600	651	5.345	10/23/11 6:00	0.00821	378	
2011-10-23-0700	500	4.482	10/23/11 7:00	0.008964	379	
2011-10-23-0800	600	5.503	10/23/11 8:00	0.009172	380	
2011-10-23-0900	550	4.903	10/23/11 9:00	0.008915	381	
2011-10-23-1000	450	3.482	10/23/11 10:00	0.007738	382	
2011-10-23-1100	500	3.998	10/23/11 11:00	0.007996	383	
2011-10-23-1200	625	5.06	10/23/11 12:00	0.008096	384	
2011-10-23-1300	651	5.394	10/23/11 13:00	0.008286	385	
2011-10-23-1400	750	6.203	10/23/11 14:00	0.008271	386	
2011-10-23-1500	750	6.339	10/23/11 15:00	0.008452	387	
2011-10-23-1600	800	6.804	10/23/11 16:00	0.008505	388	
2011-10-23-1700	800	6.956	10/23/11 17:00	0.008695	389	
2011-10-23-1800	775	6.958	10/23/11 18:00	0.008978	390	
2011-10-23-1900	525	4.33	10/23/11 19:00	0.008248	391	
2011-10-23-2000	450	4.009	10/23/11 20:00	0.008909	392	
2011-10-23-2100	449	4.007	10/23/11 21:00	0.008924	393	
2011-10-23-2200	600	5.752	10/23/11 22:00	0.009587	394	
2011-10-23-2300	550	5.031	10/23/11 23:00	0.009147	395	
2011-10-24-0000	163	1.428	10/24/11 0:00	0.008761	396	
2011-10-24-0100	100	0.855	10/24/11 1:00	0.00855	397	
2011-10-24-0200	250	1.528	10/24/11 2:00	0.006112	398	
2011-10-24-0300	300	1.775	10/24/11 3:00	0.005917	399	
2011-10-24-0400	450	3.237	10/24/11 4:00	0.007193	400	
2011-10-24-0500	625	4.793	10/24/11 5:00	0.007669	401	
2011-10-24-0600	300	1.515	10/24/11 6:00	0.00505	402	
2011-10-24-0700	100	0.078	10/24/11 7:00	0.00078	403	
2011-10-24-0800	100	0.278	10/24/11 8:00	0.00278	404	
2011-10-24-0900	100	0.151	10/24/11 9:00	0.00151	405	
2011-10-24-1300	100	0.226	10/24/11 13:00	0.00226	406	
2011-10-24-2200	300	3.673	10/24/11 22:00	0.012243	407	
2011-10-24-2300	500	5.262	10/24/11 23:00	0.010524	408	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-10-25-0000	438	5.397	10/25/11 0:00	0.012322	409	
2011-10-25-0500	625	5.254	10/25/11 5:00	0.008406	410	
2011-10-25-0600	675	5.867	10/25/11 6:00	0.008692	411	
2011-10-25-2200	250	2.595	10/25/11 22:00	0.01038	412	
2011-10-25-2300	400	4.318	10/25/11 23:00	0.010795	413	
2011-10-26-0000	551	6.079	10/26/11 0:00	0.011033	414	
2011-10-26-0100	500	4.944	10/26/11 1:00	0.009888	415	
2011-10-26-0200	188	1.601	10/26/11 2:00	0.008516	416	
2011-10-26-0500	325	3.279	10/26/11 5:00	0.010089	417	
2011-10-26-0600	651	6.839	10/26/11 6:00	0.010505	418	
2011-10-26-1900	180	1.939	10/26/11 19:00	0.010772	419	
2011-10-26-2000	200	2.319	10/26/11 20:00	0.011595	420	
2011-10-26-2100	500	6.737	10/26/11 21:00	0.013474	421	
2011-10-26-2200	551	7.182	10/26/11 22:00	0.013034	422	
2011-10-26-2300	188	1.885	10/26/11 23:00	0.010027	423	
2011-10-27-0500	325	2.8	10/27/11 5:00	0.008615	424	
2011-10-27-0600	701	7.242	10/27/11 6:00	0.010331	425	
2011-10-27-0700	119	1.112	10/27/11 7:00	0.009345	426	
2011-10-28-0000	150	1.652	10/28/11 0:00	0.011013	427	
2011-10-28-0100	400	3.524	10/28/11 1:00	0.00881	428	
2011-10-28-0200	551	4.7	10/28/11 2:00	0.00853	429	
2011-10-28-0300	800	7.529	10/28/11 3:00	0.009411	430	
2011-10-28-0400	900	8.642	10/28/11 4:00	0.009602	431	
2011-10-28-0500	900	9.174	10/28/11 5:00	0.010193	432	
2011-10-28-0600	400	3.319	10/28/11 6:00	0.008298	433	
2011-10-28-1100	188	2.001	10/28/11 11:00	0.010644	434	
2011-10-28-1500	188	2.211	10/28/11 15:00	0.011761	435	
2011-10-29-0100	149	1.428	10/29/11 1:00	0.009584	436	
2011-10-29-0200	199	1.835	10/29/11 2:00	0.009221	437	
2011-10-29-0300	200	1.711	10/29/11 3:00	0.008555	438	
2011-10-29-0400	200	1.672	10/29/11 4:00	0.00836	439	
2011-10-29-0500	400	4.482	10/29/11 5:00	0.011205	440	
2011-10-29-0600	400	5.031	10/29/11 6:00	0.012578	441	
2011-10-29-0700	325	4.606	10/29/11 7:00	0.014172	442	
2011-10-29-0800	300	4.625	10/29/11 8:00	0.015417	443	
2011-10-29-0900	300	4.497	10/29/11 9:00	0.01499	444	
2011-10-29-1000	325	5.111	10/29/11 10:00	0.015726	445	
2011-10-29-1100	400	5.635	10/29/11 11:00	0.014088	446	
2011-10-29-1600	250	2.587	10/29/11 16:00	0.010348	447	
2011-10-29-1700	500	5.132	10/29/11 17:00	0.010264	448	
2011-10-29-1800	475	5.162	10/29/11 18:00	0.010867	449	
2011-10-29-1900	457	4.942	10/29/11 19:00	0.010814	450	
2011-10-29-2000	602	6.654	10/29/11 20:00	0.011053	451	
2011-10-29-2100	548	5.879	10/29/11 21:00	0.010728	452	
2011-10-29-2200	542	5.523	10/29/11 22:00	0.01019	453	
2011-10-29-2300	550	5.42	10/29/11 23:00	0.009855	454	
2011-10-30-0000	500	4.43	10/30/11 0:00	0.00886	455	
2011-10-30-0100	400	3.382	10/30/11 1:00	0.008455	456	
2011-10-30-0200	400	3.589	10/30/11 2:00	0.008973	457	
2011-10-30-0300	400	3.728	10/30/11 3:00	0.00932	458	
2011-10-30-0400	375	3.739	10/30/11 4:00	0.009971	459	
2011-10-30-0500	550	6.119	10/30/11 5:00	0.011125	460	
2011-10-30-0600	547	6.757	10/30/11 6:00	0.012353	461	
2011-10-30-0700	500	5.997	10/30/11 7:00	0.011994	462	
2011-10-30-0800	450	5.683	10/30/11 8:00	0.012629	463	
2011-10-30-0900	425	5.198	10/30/11 9:00	0.012231	464	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor		
2011-10-30-1000	450	5.138	10/30/11 10:00	0.011418	465			
2011-10-30-1100	550	5.945	10/30/11 11:00	0.010809	466			
2011-10-30-1200	550	5.834	10/30/11 12:00	0.010607	467			
2011-10-30-1300	400	3.955	10/30/11 13:00	0.009888	468			
2011-10-30-1400	551	5.473	10/30/11 14:00	0.009933	469			
2011-10-30-1500	551	5.365	10/30/11 15:00	0.009737	470			
2011-10-30-1600	551	5.129	10/30/11 16:00	0.009309	471			
2011-10-30-1700	551	5.089	10/30/11 17:00	0.009236	472			
2011-10-30-1800	651	6.863	10/30/11 18:00	0.010542	473			
2011-10-30-1900	651	7.045	10/30/11 19:00	0.010822	474			
2011-10-30-2000	500	4.853	10/30/11 20:00	0.009706	475			
2011-10-30-2100	540	4.751	10/30/11 21:00	0.008798	476			
2011-10-30-2200	550	5.358	10/30/11 22:00	0.009742	477			
2011-10-30-2300	550	5.01	10/30/11 23:00	0.009109	478			
2011-10-31-0000	550	5.957	10/31/11 0:00	0.010831	479			
2011-10-31-0100	550	6.192	10/31/11 1:00	0.011258	480			
2011-10-31-0200	550	6.362	10/31/11 2:00	0.011567	481			
2011-10-31-0300	550	6.026	10/31/11 3:00	0.010956	482			
2011-10-31-0400	550	6.299	10/31/11 4:00	0.011453	483			
2011-10-31-0500	549	5.646	10/31/11 5:00	0.010284	484			
2011-10-31-0600	549	5.741	10/31/11 6:00	0.010457	485			
2011-10-31-0700	399	4.275	10/31/11 7:00	0.010714	486			
2011-10-31-0800	296	3.076	10/31/11 8:00	0.010392	487			
2011-10-31-0900	400	4.592	10/31/11 9:00	0.01148	488			
2011-10-31-1000	202	2.353	10/31/11 10:00	0.011649	489			
2011-10-31-1100	181	1.987	10/31/11 11:00	0.010978	490			
2011-10-31-1300	188	1.801	10/31/11 13:00	0.00958	491			
2011-10-31-1400	438	4.181	10/31/11 14:00	0.009546	492			
2011-10-31-1700	199	1.026	10/31/11 17:00	0.005156	493			
2011-10-31-1800	186	0.98	10/31/11 18:00	0.005269	494			
2011-10-31-2000	114	0.547	10/31/11 20:00	0.004798	495			
2011-10-31-2100	249	2.125	10/31/11 21:00	0.008534	496			
2011-10-31-2200	325	2.851	10/31/11 22:00	0.008772	497			
2011-10-31-2300	450	4.922	10/31/11 23:00	0.010938	498			
2011-11-01-0000	250	2.388	11/1/11 0:00	0.009552	1	498	232,594	2,062
2011-11-01-0100	404	4.893	11/1/11 1:00	0.012111	2	avg	467	4.141 0.887%
2011-11-01-0200	408	4.642	11/1/11 2:00	0.011377	3			
2011-11-01-0300	408	4.809	11/1/11 3:00	0.011787	4			
2011-11-01-0400	455	5.145	11/1/11 4:00	0.011308	5			
2011-11-01-0500	456	5.418	11/1/11 5:00	0.011882	6			
2011-11-01-0600	458	5.457	11/1/11 6:00	0.011915	7			
2011-11-01-0700	325	3.404	11/1/11 7:00	0.010474	8			
2011-11-01-0800	150	0.577	11/1/11 8:00	0.003847	9			
2011-11-01-1000	225	2.733	11/1/11 10:00	0.012147	10			
2011-11-01-1100	325	4.07	11/1/11 11:00	0.012523	11			
2011-11-01-1200	550	7.368	11/1/11 12:00	0.013396	12			
2011-11-01-1300	650	8.893	11/1/11 13:00	0.013682	13			
2011-11-01-1400	750	10.304	11/1/11 14:00	0.013739	14			
2011-11-01-1500	800	10.867	11/1/11 15:00	0.013584	15			
2011-11-01-1600	800	11.589	11/1/11 16:00	0.014486	16			
2011-11-01-1700	686	9.942	11/1/11 17:00	0.014493	17			
2011-11-01-1800	686	10.386	11/1/11 18:00	0.01514	18			
2011-11-01-1900	700	10.488	11/1/11 19:00	0.014983	19			
2011-11-01-2000	663	9.896	11/1/11 20:00	0.014926	20			
2011-11-01-2100	697	10.366	11/1/11 21:00	0.014872	21			
2011-11-01-2200	708	10.363	11/1/11 22:00	0.014637	22			

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-11-01-2300	708	10.672	11/1/11 23:00	0.015073	23	
2011-11-02-0000	708	10.612	11/2/11 0:00	0.014989	24	
2011-11-02-0100	658	9.734	11/2/11 1:00	0.014793	25	
2011-11-02-0200	658	9.23	11/2/11 2:00	0.014027	26	
2011-11-02-0300	658	8.972	11/2/11 3:00	0.013635	27	
2011-11-02-0400	658	9.46	11/2/11 4:00	0.014377	28	
2011-11-02-0500	658	9.604	11/2/11 5:00	0.014596	29	
2011-11-02-0600	658	10.196	11/2/11 6:00	0.015495	30	
2011-11-02-0700	404	5.638	11/2/11 7:00	0.013955	31	
2011-11-02-0800	191	2.434	11/2/11 8:00	0.012743	32	
2011-11-02-0900	350	5.141	11/2/11 9:00	0.014689	33	
2011-11-02-1000	488	7.596	11/2/11 10:00	0.015566	34	
2011-11-02-1100	600	9.204	11/2/11 11:00	0.01534	35	
2011-11-02-1200	699	11.05	11/2/11 12:00	0.015808	36	
2011-11-02-1300	658	10.311	11/2/11 13:00	0.01567	37	
2011-11-02-1400	658	10.485	11/2/11 14:00	0.015935	38	
2011-11-02-1500	658	10.506	11/2/11 15:00	0.015967	39	
2011-11-02-1600	480	7.796	11/2/11 16:00	0.016242	40	
2011-11-02-1700	658	11.069	11/2/11 17:00	0.016822	41	
2011-11-02-1800	658	11.222	11/2/11 18:00	0.017055	42	
2011-11-02-1900	727	11.93	11/2/11 19:00	0.01641	43	
2011-11-02-2000	727	11.824	11/2/11 20:00	0.016264	44	
2011-11-02-2100	727	11.662	11/2/11 21:00	0.016041	45	
2011-11-02-2200	712	11.469	11/2/11 22:00	0.016108	46	
2011-11-02-2300	709	11.764	11/2/11 23:00	0.016592	47	
2011-11-03-0000	733	12.519	11/3/11 0:00	0.017079	48	
2011-11-03-0100	733	11.215	11/3/11 1:00	0.0153	49	
2011-11-03-0200	733	10.524	11/3/11 2:00	0.014357	50	
2011-11-03-0300	733	10.416	11/3/11 3:00	0.01421	51	
2011-11-03-0400	733	10.639	11/3/11 4:00	0.014514	52	
2011-11-03-0500	733	10.912	11/3/11 5:00	0.014887	53	
2011-11-03-0600	833	12.356	11/3/11 6:00	0.014833	54	
2011-11-03-0700	536	7.437	11/3/11 7:00	0.013875	55	
2011-11-03-0800	400	5.102	11/3/11 8:00	0.012755	56	
2011-11-03-0900	408	5.265	11/3/11 9:00	0.012904	57	
2011-11-03-1000	643	8.592	11/3/11 10:00	0.013362	58	
2011-11-03-1100	647	8.522	11/3/11 11:00	0.013172	59	
2011-11-03-1200	406	5.162	11/3/11 12:00	0.012714	60	
2011-11-03-1300	464	5.969	11/3/11 13:00	0.012864	61	
2011-11-03-1400	400	5.185	11/3/11 14:00	0.012963	62	
2011-11-03-1500	400	5.624	11/3/11 15:00	0.01406	63	
2011-11-03-1600	400	5.361	11/3/11 16:00	0.013403	64	
2011-11-03-1700	390	5.076	11/3/11 17:00	0.013015	65	
2011-11-03-1800	351	4.679	11/3/11 18:00	0.01333	66	
2011-11-03-1900	400	5.035	11/3/11 19:00	0.012588	67	
2011-11-03-2000	500	6.364	11/3/11 20:00	0.012728	68	
2011-11-03-2100	691	10.014	11/3/11 21:00	0.014492	69	
2011-11-03-2200	694	10.146	11/3/11 22:00	0.01462	70	
2011-11-03-2300	671	9.759	11/3/11 23:00	0.014544	71	
2011-11-04-0000	783	11.437	11/4/11 0:00	0.014607	72	
2011-11-04-0100	709	10.356	11/4/11 1:00	0.014606	73	
2011-11-04-0200	711	10.55	11/4/11 2:00	0.014838	74	
2011-11-04-0300	431	5.459	11/4/11 3:00	0.012666	75	
2011-11-04-0500	275	3.284	11/4/11 5:00	0.011942	76	
2011-11-04-1200	100	0.43	11/4/11 12:00	0.0043	77	
2011-11-04-1300	100	0.602	11/4/11 13:00	0.00602	78	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-11-04-1400	200	1.256	11/4/11 14:00	0.00628	79	
2011-11-04-1500	250	2.316	11/4/11 15:00	0.009264	80	
2011-11-04-1600	250	2.365	11/4/11 16:00	0.00946	81	
2011-11-04-1700	397	4.5	11/4/11 17:00	0.011335	82	
2011-11-04-1800	397	4.657	11/4/11 18:00	0.01173	83	
2011-11-04-1900	349	3.771	11/4/11 19:00	0.010805	84	
2011-11-04-2000	300	3.031	11/4/11 20:00	0.010103	85	
2011-11-04-2100	450	5.628	11/4/11 21:00	0.012507	86	
2011-11-04-2200	600	9.095	11/4/11 22:00	0.015158	87	
2011-11-04-2300	646	10.106	11/4/11 23:00	0.015644	88	
2011-11-05-0000	659	10.263	11/5/11 0:00	0.015574	89	
2011-11-05-0100	712	10.304	11/5/11 1:00	0.014472	90	
2011-11-05-0200	661	9.025	11/5/11 2:00	0.013654	91	
2011-11-05-0300	661	9.225	11/5/11 3:00	0.013956	92	
2011-11-05-0400	683	8.998	11/5/11 4:00	0.013174	93	
2011-11-05-0500	679	6.196	11/5/11 5:00	0.009125	94	
2011-11-05-0600	584	3.346	11/5/11 6:00	0.005729	95	
2011-11-05-0700	449	1.7	11/5/11 7:00	0.003786	96	
2011-11-05-0800	425	1.105	11/5/11 8:00	0.0026	97	
2011-11-05-0900	425	1.511	11/5/11 9:00	0.003555	98	
2011-11-05-1000	500	2.665	11/5/11 10:00	0.00533	99	
2011-11-05-1100	646	1.658	11/5/11 11:00	0.002567	100	
2011-11-05-1200	638	1.431	11/5/11 12:00	0.002243	101	
2011-11-05-1300	566	-1.743	11/5/11 13:00	-0.00308	102	
2011-11-05-1400	200	-2.863	11/5/11 14:00	-0.01432	103	
2011-11-05-1500	300	-0.893	11/5/11 15:00	-0.00298	104	
2011-11-05-1600	100	0.945	11/5/11 16:00	0.00945	105	
2011-11-05-1700	225	2.63	11/5/11 17:00	0.011689	106	
2011-11-05-1800	175	2.116	11/5/11 18:00	0.012091	107	
2011-11-06-0100	150	1.15	11/6/11 1:00	0.007667	108	
2011-11-06-0200	275	3.17	11/6/11 2:00	0.011527	109	
2011-11-06-0300	200	2.107	11/6/11 3:00	0.010535	110	
2011-11-06-0400	113	0.721	11/6/11 4:00	0.006381	111	
2011-11-06-1400	175	1.25	11/6/11 14:00	0.007143	112	
2011-11-06-1700	100	0.613	11/6/11 17:00	0.00613	113	
2011-11-07-0200	113	1.073	11/7/11 2:00	0.009496	114	
2011-11-07-0300	300	3.51	11/7/11 3:00	0.0117	115	
2011-11-07-0400	200	2.378	11/7/11 4:00	0.01189	116	
2011-11-07-0500	250	2.808	11/7/11 5:00	0.011232	117	
2011-11-07-1300	113	0.957	11/7/11 13:00	0.008469	118	
2011-11-07-1400	150	0.63	11/7/11 14:00	0.0042	119	
2011-11-07-1500	270	0.524	11/7/11 15:00	0.001941	120	
2011-11-07-1600	300	2.532	11/7/11 16:00	0.00844	121	
2011-11-07-1700	353	3.058	11/7/11 17:00	0.008663	122	
2011-11-07-1800	358	1.893	11/7/11 18:00	0.005288	123	
2011-11-07-1900	373	1.396	11/7/11 19:00	0.003743	124	
2011-11-07-2000	367	2.047	11/7/11 20:00	0.005578	125	
2011-11-07-2100	373	2.378	11/7/11 21:00	0.006375	126	
2011-11-07-2200	281	1.986	11/7/11 22:00	0.007068	127	
2011-11-08-0600	288	0.992	11/8/11 6:00	0.003444	128	
2011-11-08-0700	424	3.004	11/8/11 7:00	0.007085	129	
2011-11-08-0800	247	0.773	11/8/11 8:00	0.00313	130	
2011-11-08-0900	349	2.304	11/8/11 9:00	0.006602	131	
2011-11-08-1000	500	5.075	11/8/11 10:00	0.01015	132	
2011-11-08-1100	356	2.726	11/8/11 11:00	0.007657	133	
2011-11-08-1200	100	0.05	11/8/11 12:00	0.0005	134	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-11-08-1400	100	1.191	11/8/11 14:00	0.01191	135	
2011-11-08-1500	260	3.73	11/8/11 15:00	0.014346	136	
2011-11-08-1600	250	0.484	11/8/11 16:00	0.001936	137	
2011-11-08-1700	425	2.723	11/8/11 17:00	0.006407	138	
2011-11-08-1800	456	2.881	11/8/11 18:00	0.006318	139	
2011-11-08-1900	340	1.088	11/8/11 19:00	0.0032	140	
2011-11-08-2000	300	0.191	11/8/11 20:00	0.000637	141	
2011-11-08-2100	475	2.431	11/8/11 21:00	0.005118	142	
2011-11-08-2200	550	4.279	11/8/11 22:00	0.00778	143	
2011-11-08-2300	600	5.55	11/8/11 23:00	0.00925	144	
2011-11-09-0000	300	1.442	11/9/11 0:00	0.004807	145	
2011-11-09-0100	231	1.693	11/9/11 1:00	0.007329	146	
2011-11-09-0700	298	1.535	11/9/11 7:00	0.005151	147	
2011-11-09-0800	297	1.491	11/9/11 8:00	0.00502	148	
2011-11-09-0900	298	1.62	11/9/11 9:00	0.005436	149	
2011-11-09-1000	394	3.057	11/9/11 10:00	0.007759	150	
2011-11-09-1100	419	4.284	11/9/11 11:00	0.010224	151	
2011-11-09-1200	397	4.103	11/9/11 12:00	0.010335	152	
2011-11-09-1300	349	2.933	11/9/11 13:00	0.008404	153	
2011-11-09-1400	375	3.185	11/9/11 14:00	0.008493	154	
2011-11-09-1500	400	1.495	11/9/11 15:00	0.003738	155	
2011-11-09-1600	450	0.413	11/9/11 16:00	0.000918	156	
2011-11-09-1700	436	0.559	11/9/11 17:00	0.001282	157	
2011-11-09-1800	425	0.088	11/9/11 18:00	0.000207	158	
2011-11-09-1900	325	-1.426	11/9/11 19:00	-0.00439	159	
2011-11-09-2000	375	-0.818	11/9/11 20:00	-0.00218	160	
2011-11-09-2100	544	1.549	11/9/11 21:00	0.002847	161	
2011-11-09-2200	400	1.928	11/9/11 22:00	0.00482	162	
2011-11-09-2300	300	2.005	11/9/11 23:00	0.006683	163	
2011-11-10-0000	200	0.617	11/10/11 0:00	0.003085	164	
2011-11-10-0100	200	1.797	11/10/11 1:00	0.008985	165	
2011-11-10-0200	200	1.649	11/10/11 2:00	0.008245	166	
2011-11-10-0500	150	1.243	11/10/11 5:00	0.008287	167	
2011-11-10-0600	496	5.266	11/10/11 6:00	0.010617	168	
2011-11-10-0700	600	7.017	11/10/11 7:00	0.011695	169	
2011-11-10-0800	300	3.577	11/10/11 8:00	0.011923	170	
2011-11-10-0900	263	3.091	11/10/11 9:00	0.011753	171	
2011-11-10-1000	400	5.119	11/10/11 10:00	0.012798	172	
2011-11-10-1100	525	7.304	11/10/11 11:00	0.013912	173	
2011-11-10-1200	625	9.493	11/10/11 12:00	0.015189	174	
2011-11-10-1300	675	10.143	11/10/11 13:00	0.015027	175	
2011-11-10-1400	700	10.549	11/10/11 14:00	0.01507	176	
2011-11-10-1500	750	11.579	11/10/11 15:00	0.015439	177	
2011-11-10-1600	800	12.468	11/10/11 16:00	0.015585	178	
2011-11-10-1700	800	10.873	11/10/11 17:00	0.013591	179	
2011-11-10-1800	281	2.377	11/10/11 18:00	0.008459	180	
2011-11-10-1900	400	3.73	11/10/11 19:00	0.009325	181	
2011-11-10-2000	400	2.274	11/10/11 20:00	0.005685	182	
2011-11-10-2100	400	1.057	11/10/11 21:00	0.002643	183	
2011-11-10-2200	475	4.121	11/10/11 22:00	0.008676	184	
2011-11-10-2300	575	6.858	11/10/11 23:00	0.011927	185	
2011-11-11-0000	600	7.28	11/11/11 0:00	0.012133	186	
2011-11-11-0100	500	5.445	11/11/11 1:00	0.01089	187	
2011-11-11-0200	224	1.638	11/11/11 2:00	0.007313	188	
2011-11-11-0300	500	5.736	11/11/11 3:00	0.011472	189	
2011-11-11-0400	500	5.48	11/11/11 4:00	0.01096	190	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-11-11-0500	500	5.281	11/11/11 5:00	0.010562	191	
2011-11-11-0600	725	9.542	11/11/11 6:00	0.013161	192	
2011-11-11-0700	338	2.49	11/11/11 7:00	0.007367	193	
2011-11-11-0800	150	-1.5	11/11/11 8:00	-0.01	194	
2011-11-11-1000	150	-0.734	11/11/11 10:00	-0.00489	195	
2011-11-11-1100	297	2.393	11/11/11 11:00	0.008057	196	
2011-11-11-1200	400	4.58	11/11/11 12:00	0.01145	197	
2011-11-11-1300	500	6.451	11/11/11 13:00	0.012902	198	
2011-11-11-1400	560	7.399	11/11/11 14:00	0.013213	199	
2011-11-11-1500	560	7.128	11/11/11 15:00	0.012729	200	
2011-11-11-1600	585	7.544	11/11/11 16:00	0.012896	201	
2011-11-11-1700	585	4.565	11/11/11 17:00	0.007803	202	
2011-11-11-1800	545	2.808	11/11/11 18:00	0.005152	203	
2011-11-11-1900	475	3.418	11/11/11 19:00	0.007196	204	
2011-11-11-2000	350	3.394	11/11/11 20:00	0.009697	205	
2011-11-11-2100	413	2.152	11/11/11 21:00	0.005211	206	
2011-11-11-2200	592	4.41	11/11/11 22:00	0.007449	207	
2011-11-11-2300	605	7.729	11/11/11 23:00	0.012775	208	
2011-11-12-0000	299	3.693	11/12/11 0:00	0.012351	209	
2011-11-12-0100	408	5.308	11/12/11 1:00	0.01301	210	
2011-11-12-0200	408	5.223	11/12/11 2:00	0.012801	211	
2011-11-12-0300	408	4.878	11/12/11 3:00	0.011956	212	
2011-11-12-0400	408	4.892	11/12/11 4:00	0.01199	213	
2011-11-12-0500	408	5.194	11/12/11 5:00	0.01273	214	
2011-11-12-0600	514	6.437	11/12/11 6:00	0.012523	215	
2011-11-12-0700	514	6.079	11/12/11 7:00	0.011827	216	
2011-11-12-0800	795	11.204	11/12/11 8:00	0.014093	217	
2011-11-12-0900	920	13.433	11/12/11 9:00	0.014601	218	
2011-11-12-1000	927	12.911	11/12/11 10:00	0.013928	219	
2011-11-12-1100	697	7.973	11/12/11 11:00	0.011439	220	
2011-11-12-1200	767	8.762	11/12/11 12:00	0.011424	221	
2011-11-12-1300	700	7.731	11/12/11 13:00	0.011044	222	
2011-11-12-1400	200	0.856	11/12/11 14:00	0.00428	223	
2011-11-12-1800	381	2.391	11/12/11 18:00	0.006276	224	
2011-11-12-1900	697	7.471	11/12/11 19:00	0.010719	225	
2011-11-12-2000	652	7.053	11/12/11 20:00	0.010817	226	
2011-11-12-2100	752	8.22	11/12/11 21:00	0.010931	227	
2011-11-12-2200	666	6.746	11/12/11 22:00	0.010129	228	
2011-11-12-2300	344	2.834	11/12/11 23:00	0.008238	229	
2011-11-13-0800	224	0.999	11/13/11 8:00	0.00446	230	
2011-11-13-0900	408	3.828	11/13/11 9:00	0.009382	231	
2011-11-13-1000	408	3.899	11/13/11 10:00	0.009556	232	
2011-11-13-1100	667	7.835	11/13/11 11:00	0.011747	233	
2011-11-13-1200	408	3.925	11/13/11 12:00	0.00962	234	
2011-11-13-1800	652	5.519	11/13/11 18:00	0.008465	235	
2011-11-13-1900	733	7.562	11/13/11 19:00	0.010317	236	
2011-11-13-2000	733	8.011	11/13/11 20:00	0.010929	237	
2011-11-13-2100	408	3.154	11/13/11 21:00	0.00773	238	
2011-11-13-2200	408	1.776	11/13/11 22:00	0.004353	239	
2011-11-13-2300	408	2.691	11/13/11 23:00	0.006596	240	
2011-11-14-0700	278	1.091	11/14/11 7:00	0.003924	241	
2011-11-14-0800	497	3.498	11/14/11 8:00	0.007038	242	
2011-11-14-0900	604	5.429	11/14/11 9:00	0.008988	243	
2011-11-14-1000	408	3.648	11/14/11 10:00	0.008941	244	
2011-11-14-1100	408	3.714	11/14/11 11:00	0.009103	245	
2011-11-14-1200	408	4.164	11/14/11 12:00	0.010206	246	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-11-14-1400	200	1.539	11/14/11 14:00	0.007695	247	
2011-11-14-1500	508	5.451	11/14/11 15:00	0.01073	248	
2011-11-14-1600	558	6.272	11/14/11 16:00	0.01124	249	
2011-11-14-1700	458	4.736	11/14/11 17:00	0.010341	250	
2011-11-14-1800	508	4.77	11/14/11 18:00	0.00939	251	
2011-11-14-1900	583	5.611	11/14/11 19:00	0.009624	252	
2011-11-14-2000	458	4.163	11/14/11 20:00	0.00909	253	
2011-11-14-2100	408	4.057	11/14/11 21:00	0.009944	254	
2011-11-14-2200	408	3.886	11/14/11 22:00	0.009525	255	
2011-11-15-0700	300	1.904	11/15/11 7:00	0.006347	256	
2011-11-15-0800	420	3.737	11/15/11 8:00	0.008898	257	
2011-11-15-0900	660	6.882	11/15/11 9:00	0.010427	258	
2011-11-15-1000	560	5.893	11/15/11 10:00	0.010523	259	
2011-11-15-1100	626	7.29	11/15/11 11:00	0.011645	260	
2011-11-15-1200	560	6.255	11/15/11 12:00	0.01117	261	
2011-11-15-1300	560	6.268	11/15/11 13:00	0.011193	262	
2011-11-15-1400	560	5.263	11/15/11 14:00	0.009398	263	
2011-11-15-1500	580	-3.625	11/15/11 15:00	-0.00625	264	
2011-11-15-1800	250	1.507	11/15/11 18:00	0.006028	265	
2011-11-15-1900	550	5.035	11/15/11 19:00	0.009155	266	
2011-11-15-2000	560	5.575	11/15/11 20:00	0.009955	267	
2011-11-15-2100	300	2.332	11/15/11 21:00	0.007773	268	
2011-11-16-0700	300	1.587	11/16/11 7:00	0.00529	269	
2011-11-16-0800	558	4.98	11/16/11 8:00	0.008925	270	
2011-11-16-0900	560	5.491	11/16/11 9:00	0.009805	271	
2011-11-16-1000	560	5.511	11/16/11 10:00	0.009841	272	
2011-11-16-1100	509	5.178	11/16/11 11:00	0.010173	273	
2011-11-16-1200	559	6.083	11/16/11 12:00	0.010882	274	
2011-11-16-1300	560	5.966	11/16/11 13:00	0.010654	275	
2011-11-16-1400	560	5.791	11/16/11 14:00	0.010341	276	
2011-11-16-1500	560	6.298	11/16/11 15:00	0.011246	277	
2011-11-16-1600	575	6.83	11/16/11 16:00	0.011878	278	
2011-11-16-1700	611	7.847	11/16/11 17:00	0.012843	279	
2011-11-16-1800	601	6.226	11/16/11 18:00	0.010359	280	
2011-11-16-1900	432	-0.501	11/16/11 19:00	-0.00116	281	
2011-11-17-1500	165	-2.228	11/17/11 15:00	-0.0135	282	
2011-11-17-1600	239	-0.103	11/17/11 16:00	-0.00043	283	
2011-11-17-1700	304	0.372	11/17/11 17:00	0.001224	284	
2011-11-17-1800	300	-0.779	11/17/11 18:00	-0.0026	285	
2011-11-17-1900	175	-2.858	11/17/11 19:00	-0.01633	286	
2011-11-17-2000	250	-1.525	11/17/11 20:00	-0.0061	287	
2011-11-17-2100	125	-2.752	11/17/11 21:00	-0.02202	288	
2011-11-18-0200	300	2.239	11/18/11 2:00	0.007463	289	
2011-11-18-0300	300	2.619	11/18/11 3:00	0.00873	290	
2011-11-18-0400	300	2.504	11/18/11 4:00	0.008347	291	
2011-11-18-0500	300	2.543	11/18/11 5:00	0.008477	292	
2011-11-18-0600	500	6.635	11/18/11 6:00	0.01327	293	
2011-11-18-0700	400	-3.508	11/18/11 7:00	-0.00877	294	
2011-11-18-0800	125	-2.997	11/18/11 8:00	-0.02398	295	
2011-11-18-0900	200	-5.607	11/18/11 9:00	-0.02804	296	
2011-11-18-1000	300	-8.56	11/18/11 10:00	-0.02853	297	
2011-11-18-1100	550	-3.283	11/18/11 11:00	-0.00597	298	
2011-11-18-1200	355	-4.626	11/18/11 12:00	-0.01303	299	
2011-11-18-1800	419	3.764	11/18/11 18:00	0.008983	300	
2011-11-18-1900	623	6.929	11/18/11 19:00	0.011122	301	
2011-11-18-2000	550	6.567	11/18/11 20:00	0.01194	302	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-11-18-2100	600	7.182	11/18/11 21:00	0.01197	303	
2011-11-18-2200	550	6.613	11/18/11 22:00	0.012024	304	
2011-11-18-2300	399	3.406	11/18/11 23:00	0.008536	305	
2011-11-19-0000	300	2.108	11/19/11 0:00	0.007027	306	
2011-11-19-0100	300	1.785	11/19/11 1:00	0.00595	307	
2011-11-19-0200	500	3.767	11/19/11 2:00	0.007534	308	
2011-11-19-0300	501	3.783	11/19/11 3:00	0.007551	309	
2011-11-19-0400	505	3.607	11/19/11 4:00	0.007143	310	
2011-11-19-0500	500	3.601	11/19/11 5:00	0.007202	311	
2011-11-19-0600	500	3.234	11/19/11 6:00	0.006468	312	
2011-11-19-0700	501	3.501	11/19/11 7:00	0.006988	313	
2011-11-19-0800	765	7.611	11/19/11 8:00	0.009949	314	
2011-11-19-0900	737	7.763	11/19/11 9:00	0.010533	315	
2011-11-19-1000	762	8.2	11/19/11 10:00	0.010761	316	
2011-11-19-1100	772	7.718	11/19/11 11:00	0.009997	317	
2011-11-19-1200	300	1.078	11/19/11 12:00	0.003593	318	
2011-11-19-1300	300	0.969	11/19/11 13:00	0.00323	319	
2011-11-19-1700	497	1.721	11/19/11 17:00	0.003463	320	
2011-11-19-1800	764	6.187	11/19/11 18:00	0.008098	321	
2011-11-19-1900	765	6.811	11/19/11 19:00	0.008903	322	
2011-11-19-2000	608	5.073	11/19/11 20:00	0.008344	323	
2011-11-19-2100	322	2.114	11/19/11 21:00	0.006565	324	
2011-11-19-2200	302	1.577	11/19/11 22:00	0.005222	325	
2011-11-20-1100	104	-1.043	11/20/11 11:00	-0.01003	326	
2011-11-20-1700	300	0.72	11/20/11 17:00	0.0024	327	
2011-11-20-1800	455	2.188	11/20/11 18:00	0.004809	328	
2011-11-20-1900	455	2.781	11/20/11 19:00	0.006112	329	
2011-11-20-2000	500	3.004	11/20/11 20:00	0.006008	330	
2011-11-20-2100	500	3.299	11/20/11 21:00	0.006598	331	
2011-11-20-2200	275	1.112	11/20/11 22:00	0.004044	332	
2011-11-21-0600	300	1.194	11/21/11 6:00	0.00398	333	
2011-11-21-0700	606	3.27	11/21/11 7:00	0.005396	334	
2011-11-21-0800	685	0.294	11/21/11 8:00	0.000429	335	
2011-11-21-0900	503	1.123	11/21/11 9:00	0.002233	336	
2011-11-21-1100	100	-1.354	11/21/11 11:00	-0.01354	337	
2011-11-21-1800	100	1.25	11/21/11 18:00	0.0125	338	
2011-11-22-0700	225	1.305	11/22/11 7:00	0.0058	339	
2011-11-22-0800	300	2.585	11/22/11 8:00	0.008617	340	
2011-11-22-0900	550	6.166	11/22/11 9:00	0.011211	341	
2011-11-22-1000	575	7.113	11/22/11 10:00	0.01237	342	
2011-11-22-1100	554	6.951	11/22/11 11:00	0.012547	343	
2011-11-22-1200	550	3.394	11/22/11 12:00	0.006171	344	
2011-11-22-1300	553	2.806	11/22/11 13:00	0.005074	345	
2011-11-22-1400	650	3.725	11/22/11 14:00	0.005731	346	
2011-11-22-1500	600	3.764	11/22/11 15:00	0.006273	347	
2011-11-22-1600	553	2.771	11/22/11 16:00	0.005011	348	
2011-11-22-1700	553	3.638	11/22/11 17:00	0.006579	349	
2011-11-22-1800	675	2.6	11/22/11 18:00	0.003852	350	
2011-11-22-1900	600	0.944	11/22/11 19:00	0.001573	351	
2011-11-22-2000	375	2.381	11/22/11 20:00	0.006349	352	
2011-11-22-2100	353	3.944	11/22/11 21:00	0.011173	353	
2011-11-22-2200	552	6.462	11/22/11 22:00	0.011707	354	
2011-11-22-2300	308	3.063	11/22/11 23:00	0.009945	355	
2011-11-23-0000	277	2.069	11/23/11 0:00	0.007469	356	
2011-11-23-0600	300	1.051	11/23/11 6:00	0.003503	357	
2011-11-23-0700	349	1.878	11/23/11 7:00	0.005381	358	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-11-23-0800	298	1.663	11/23/11 8:00	0.005581	359	
2011-11-23-0900	699	5.947	11/23/11 9:00	0.008508	360	
2011-11-23-1000	600	5.898	11/23/11 10:00	0.00983	361	
2011-11-23-1100	621	7.04	11/23/11 11:00	0.011337	362	
2011-11-23-1200	570	0.262	11/23/11 12:00	0.00046	363	
2011-11-23-1300	555	0.99	11/23/11 13:00	0.001784	364	
2011-11-23-1400	601	5.781	11/23/11 14:00	0.009619	365	
2011-11-23-1500	500	5.475	11/23/11 15:00	0.01095	366	
2011-11-23-1600	310	3.092	11/23/11 16:00	0.009974	367	
2011-11-23-1700	316	3.008	11/23/11 17:00	0.009519	368	
2011-11-23-1800	610	6.106	11/23/11 18:00	0.01001	369	
2011-11-23-1900	596	6.156	11/23/11 19:00	0.010329	370	
2011-11-23-2000	583	5.962	11/23/11 20:00	0.010226	371	
2011-11-23-2100	551	5.737	11/23/11 21:00	0.010412	372	
2011-11-23-2200	547	6.474	11/23/11 22:00	0.011835	373	
2011-11-23-2300	300	3.41	11/23/11 23:00	0.011367	374	
2011-11-24-0900	300	2.247	11/24/11 9:00	0.00749	375	
2011-11-24-1000	300	2.57	11/24/11 10:00	0.008567	376	
2011-11-24-1100	400	3.98	11/24/11 11:00	0.00995	377	
2011-11-24-1200	400	4.076	11/24/11 12:00	0.01019	378	
2011-11-24-1300	300	2.418	11/24/11 13:00	0.00806	379	
2011-11-25-0800	149	0.534	11/25/11 8:00	0.003584	380	
2011-11-25-0900	149	0.834	11/25/11 9:00	0.005597	381	
2011-11-25-1800	394	2.017	11/25/11 18:00	0.005119	382	
2011-11-25-1900	397	2.671	11/25/11 19:00	0.006728	383	
2011-11-25-2000	400	2.6	11/25/11 20:00	0.0065	384	
2011-11-26-2300	105	0.973	11/26/11 23:00	0.009267	385	
2011-11-27-1800	300	1.971	11/27/11 18:00	0.00657	386	
2011-11-27-1900	200	1.407	11/27/11 19:00	0.007035	387	
2011-11-27-2000	150	1.685	11/27/11 20:00	0.011233	388	
2011-11-27-2100	300	3.033	11/27/11 21:00	0.01011	389	
2011-11-27-2200	300	2.839	11/27/11 22:00	0.009463	390	
2011-11-28-0700	117	-1.081	11/28/11 7:00	-0.00924	391	
2011-11-28-1000	100	-2.082	11/28/11 10:00	-0.02082	392	
2011-11-28-1100	100	-2.066	11/28/11 11:00	-0.02066	393	
2011-11-28-1200	150	-2.689	11/28/11 12:00	-0.01793	394	
2011-11-28-1300	300	-1.291	11/28/11 13:00	-0.0043	395	
2011-11-28-1400	450	0.601	11/28/11 14:00	0.001336	396	
2011-11-28-1500	600	2.223	11/28/11 15:00	0.003705	397	
2011-11-28-1600	600	2.404	11/28/11 16:00	0.004007	398	
2011-11-28-1700	500	2.763	11/28/11 17:00	0.005526	399	
2011-11-28-1800	300	0.072	11/28/11 18:00	0.00024	400	
2011-11-28-1900	491	1.265	11/28/11 19:00	0.002576	401	
2011-11-28-2000	450	3.474	11/28/11 20:00	0.00772	402	
2011-11-28-2100	603	7.786	11/28/11 21:00	0.012912	403	
2011-11-28-2200	600	7.395	11/28/11 22:00	0.012325	404	
2011-11-28-2300	600	6.48	11/28/11 23:00	0.0108	405	
2011-11-29-0000	200	2.293	11/29/11 0:00	0.011465	406	
2011-11-29-0100	155	1.626	11/29/11 1:00	0.01049	407	
2011-11-29-0200	155	1.404	11/29/11 2:00	0.009058	408	
2011-11-29-0300	155	1.531	11/29/11 3:00	0.009877	409	
2011-11-29-0400	155	1.548	11/29/11 4:00	0.009987	410	
2011-11-29-0500	155	1.74	11/29/11 5:00	0.011226	411	
2011-11-29-0600	455	5.469	11/29/11 6:00	0.01202	412	
2011-11-29-0700	655	7.615	11/29/11 7:00	0.011626	413	
2011-11-29-0800	638	0.092	11/29/11 8:00	0.000144	414	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor		
2011-11-29-0900	600	-1.036	11/29/11 9:00	-0.00173	415			
2011-11-29-1000	500	-1.249	11/29/11 10:00	-0.0025	416			
2011-11-29-1100	600	-0.852	11/29/11 11:00	-0.00142	417			
2011-11-29-1200	600	-1.146	11/29/11 12:00	-0.00191	418			
2011-11-29-1300	600	-1.235	11/29/11 13:00	-0.00206	419			
2011-11-29-1400	600	-1.049	11/29/11 14:00	-0.00175	420			
2011-11-29-1500	600	-0.811	11/29/11 15:00	-0.00135	421			
2011-11-29-1600	600	-0.733	11/29/11 16:00	-0.00122	422			
2011-11-29-1700	600	-0.836	11/29/11 17:00	-0.00139	423			
2011-11-29-1800	375	-3.662	11/29/11 18:00	-0.00977	424			
2011-11-29-1900	300	-4.192	11/29/11 19:00	-0.01397	425			
2011-11-29-2000	300	-4.428	11/29/11 20:00	-0.01476	426			
2011-11-29-2100	300	-4.329	11/29/11 21:00	-0.01443	427			
2011-11-29-2200	300	-4.151	11/29/11 22:00	-0.01384	428			
2011-11-29-2300	450	-2.038	11/29/11 23:00	-0.00453	429			
2011-11-30-0000	591	4.164	11/30/11 0:00	0.007046	430			
2011-11-30-0100	300	2.089	11/30/11 1:00	0.006963	431			
2011-11-30-0200	300	2.46	11/30/11 2:00	0.0082	432			
2011-11-30-0300	600	5.638	11/30/11 3:00	0.009397	433			
2011-11-30-0400	625	6.521	11/30/11 4:00	0.010434	434			
2011-11-30-0500	625	6.043	11/30/11 5:00	0.009669	435			
2011-11-30-0600	629	6.221	11/30/11 6:00	0.00989	436			
2011-11-30-0700	400	3.385	11/30/11 7:00	0.008463	437			
2011-11-30-0800	200	1.496	11/30/11 8:00	0.00748	438			
2011-11-30-0900	200	1.29	11/30/11 9:00	0.00645	439			
2011-11-30-1000	350	-0.872	11/30/11 10:00	-0.00249	440			
2011-11-30-1100	350	-1.311	11/30/11 11:00	-0.00375	441			
2011-11-30-1200	345	-0.882	11/30/11 12:00	-0.00256	442			
2011-11-30-1300	350	-0.47	11/30/11 13:00	-0.00134	443			
2011-11-30-1400	473	0.852	11/30/11 14:00	0.001801	444			
2011-11-30-1500	448	3.954	11/30/11 15:00	0.008826	445			
2011-11-30-1600	475	2.901	11/30/11 16:00	0.006107	446			
2011-11-30-1700	450	4.039	11/30/11 17:00	0.008976	447			
2011-11-30-1800	542	3.678	11/30/11 18:00	0.006786	448			
2011-11-30-1900	547	-1.308	11/30/11 19:00	-0.00239	449			
2011-11-30-2000	550	-2.738	11/30/11 20:00	-0.00498	450			
2011-11-30-2100	599	-5.43	11/30/11 21:00	-0.00907	451			
2011-11-30-2200	600	-4.327	11/30/11 22:00	-0.00721	452			
2011-11-30-2300	500	-4.595	11/30/11 23:00	-0.00919	453			
2011-12-01-0000	339	-6.676	12/1/11 0:00	-0.01969	1	453	206,075	1,787
2011-12-01-0100	338	-1.95	12/1/11 1:00	-0.00577	2	avg	455	3.946 0.867%
2011-12-01-0200	150	1.056	12/1/11 2:00	0.00704	3			
2011-12-01-0300	165	2.006	12/1/11 3:00	0.012158	4			
2011-12-01-0400	150	1.866	12/1/11 4:00	0.01244	5			
2011-12-01-0500	150	1.808	12/1/11 5:00	0.012053	6			
2011-12-01-0600	200	2.661	12/1/11 6:00	0.013305	7			
2011-12-01-0700	150	-3.225	12/1/11 7:00	-0.0215	8			
2011-12-01-1000	150	-2.766	12/1/11 10:00	-0.01844	9			
2011-12-01-1100	225	-1.318	12/1/11 11:00	-0.00586	10			
2011-12-01-1800	543	2.693	12/1/11 18:00	0.004959	11			
2011-12-01-1900	627	4.572	12/1/11 19:00	0.007292	12			
2011-12-01-2000	605	4.229	12/1/11 20:00	0.00699	13			
2011-12-01-2100	664	6.703	12/1/11 21:00	0.010095	14			
2011-12-01-2200	696	7.639	12/1/11 22:00	0.010976	15			
2011-12-01-2300	737	8.316	12/1/11 23:00	0.011284	16			
2011-12-02-0000	738	9.034	12/2/11 0:00	0.012241	17			

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-12-02-0100	662	7.787	12/2/11 1:00	0.011763	18	
2011-12-02-0200	615	7.367	12/2/11 2:00	0.011979	19	
2011-12-02-0300	673	8.03	12/2/11 3:00	0.011932	20	
2011-12-02-0400	670	8.336	12/2/11 4:00	0.012442	21	
2011-12-02-0500	733	9.145	12/2/11 5:00	0.012476	22	
2011-12-02-0600	624	7.551	12/2/11 6:00	0.012101	23	
2011-12-02-0700	490	5.302	12/2/11 7:00	0.01082	24	
2011-12-02-0800	287	-3.061	12/2/11 8:00	-0.01067	25	
2011-12-02-0900	175	-3.901	12/2/11 9:00	-0.02229	26	
2011-12-02-1000	172	-2.23	12/2/11 10:00	-0.01297	27	
2011-12-02-1100	414	3.473	12/2/11 11:00	0.008389	28	
2011-12-02-1200	114	-0.266	12/2/11 12:00	-0.00233	29	
2011-12-02-1800	580	4.486	12/2/11 18:00	0.007734	30	
2011-12-02-1900	800	7.018	12/2/11 19:00	0.008773	31	
2011-12-02-2000	800	6.599	12/2/11 20:00	0.008249	32	
2011-12-02-2100	790	7.65	12/2/11 21:00	0.009684	33	
2011-12-02-2200	303	2.413	12/2/11 22:00	0.007964	34	
2011-12-02-2300	400	3.871	12/2/11 23:00	0.009678	35	
2011-12-03-0000	390	4.816	12/3/11 0:00	0.012349	36	
2011-12-03-0300	249	1.636	12/3/11 3:00	0.00657	37	
2011-12-03-0400	449	4.208	12/3/11 4:00	0.009372	38	
2011-12-03-0500	349	2.919	12/3/11 5:00	0.008364	39	
2011-12-03-0600	445	4.292	12/3/11 6:00	0.009645	40	
2011-12-03-0700	445	4.437	12/3/11 7:00	0.009971	41	
2011-12-03-0800	446	4.521	12/3/11 8:00	0.010137	42	
2011-12-03-0900	495	5.407	12/3/11 9:00	0.010923	43	
2011-12-03-1000	496	5.575	12/3/11 10:00	0.01124	44	
2011-12-03-1100	499	5.626	12/3/11 11:00	0.011275	45	
2011-12-03-1200	649	7.593	12/3/11 12:00	0.0117	46	
2011-12-03-1300	200	0.537	12/3/11 13:00	0.002685	47	
2011-12-03-1800	499	4.268	12/3/11 18:00	0.008553	48	
2011-12-03-1900	499	4.551	12/3/11 19:00	0.00912	49	
2011-12-03-2000	699	6.435	12/3/11 20:00	0.009206	50	
2011-12-03-2100	549	5.022	12/3/11 21:00	0.009148	51	
2011-12-03-2200	499	4.444	12/3/11 22:00	0.008906	52	
2011-12-03-2300	499	4.71	12/3/11 23:00	0.009439	53	
2011-12-04-0000	474	4.394	12/4/11 0:00	0.00927	54	
2011-12-04-0600	399	3.252	12/4/11 6:00	0.00815	55	
2011-12-04-0700	400	3.467	12/4/11 7:00	0.008668	56	
2011-12-04-0800	150	0.141	12/4/11 8:00	0.00094	57	
2011-12-04-0900	200	0.636	12/4/11 9:00	0.00318	58	
2011-12-04-1000	100	-0.256	12/4/11 10:00	-0.00256	59	
2011-12-04-1700	500	2.439	12/4/11 17:00	0.004878	60	
2011-12-04-1800	725	4.464	12/4/11 18:00	0.006157	61	
2011-12-04-1900	800	6.283	12/4/11 19:00	0.007854	62	
2011-12-04-2000	800	6.744	12/4/11 20:00	0.00843	63	
2011-12-04-2100	506	3.969	12/4/11 21:00	0.007844	64	
2011-12-04-2200	506	3.655	12/4/11 22:00	0.007223	65	
2011-12-04-2300	380	2.194	12/4/11 23:00	0.005774	66	
2011-12-05-0700	450	2.023	12/5/11 7:00	0.004496	67	
2011-12-05-0800	500	3.801	12/5/11 8:00	0.007602	68	
2011-12-05-0900	579	3.898	12/5/11 9:00	0.006732	69	
2011-12-05-1000	602	4.168	12/5/11 10:00	0.006924	70	
2011-12-05-1100	503	3.663	12/5/11 11:00	0.007282	71	
2011-12-05-1200	503	3.534	12/5/11 12:00	0.007026	72	
2011-12-05-1800	278	-6.146	12/5/11 18:00	-0.02211	73	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-12-05-1900	303	-7.17	12/5/11 19:00	-0.02366	74	
2011-12-05-2000	203	-4.344	12/5/11 20:00	-0.0214	75	
2011-12-06-1800	153	-3.196	12/6/11 18:00	-0.02089	76	
2011-12-06-1900	153	-4.107	12/6/11 19:00	-0.02684	77	
2011-12-06-2000	253	-2.693	12/6/11 20:00	-0.01064	78	
2011-12-06-2100	203	-0.218	12/6/11 21:00	-0.00107	79	
2011-12-06-2200	303	0.455	12/6/11 22:00	0.001502	80	
2011-12-07-0700	529	-1.815	12/7/11 7:00	-0.00343	81	
2011-12-07-0800	404	-6.516	12/7/11 8:00	-0.01613	82	
2011-12-07-0900	403	-5.726	12/7/11 9:00	-0.01421	83	
2011-12-07-1000	303	0.974	12/7/11 10:00	0.003215	84	
2011-12-07-1100	304	1.112	12/7/11 11:00	0.003658	85	
2011-12-07-1200	303	1.24	12/7/11 12:00	0.004092	86	
2011-12-07-1300	303	1.306	12/7/11 13:00	0.00431	87	
2011-12-07-1400	229	0.066	12/7/11 14:00	0.000288	88	
2011-12-07-1500	305	1.238	12/7/11 15:00	0.004059	89	
2011-12-07-1600	305	0.944	12/7/11 16:00	0.003095	90	
2011-12-07-1700	455	-1.343	12/7/11 17:00	-0.00295	91	
2011-12-07-1800	301	-4.29	12/7/11 18:00	-0.01425	92	
2011-12-07-1900	305	-4.212	12/7/11 19:00	-0.01381	93	
2011-12-07-2000	296	-4.307	12/7/11 20:00	-0.01455	94	
2011-12-07-2100	355	-3.044	12/7/11 21:00	-0.00857	95	
2011-12-07-2200	205	-3.152	12/7/11 22:00	-0.01538	96	
2011-12-07-2300	301	-0.833	12/7/11 23:00	-0.00277	97	
2011-12-08-0000	505	-0.189	12/8/11 0:00	-0.00037	98	
2011-12-08-0100	205	-1.298	12/8/11 1:00	-0.00633	99	
2011-12-08-0600	506	5.366	12/8/11 6:00	0.010605	100	
2011-12-08-0700	555	0.835	12/8/11 7:00	0.001505	101	
2011-12-08-0800	405	-7.475	12/8/11 8:00	-0.01846	102	
2011-12-08-0900	355	-7.583	12/8/11 9:00	-0.02136	103	
2011-12-08-1000	405	-3.871	12/8/11 10:00	-0.00956	104	
2011-12-08-1100	268	1.809	12/8/11 11:00	0.00675	105	
2011-12-08-1200	356	2.127	12/8/11 12:00	0.005975	106	
2011-12-08-1300	269	1.514	12/8/11 13:00	0.005628	107	
2011-12-08-1500	105	-0.194	12/8/11 15:00	-0.00185	108	
2011-12-08-1600	105	-0.411	12/8/11 16:00	-0.00391	109	
2011-12-08-1700	368	1.7	12/8/11 17:00	0.00462	110	
2011-12-08-1800	668	3.972	12/8/11 18:00	0.005946	111	
2011-12-08-1900	668	3.449	12/8/11 19:00	0.005163	112	
2011-12-08-2000	668	2.981	12/8/11 20:00	0.004463	113	
2011-12-08-2100	752	1.122	12/8/11 21:00	0.001492	114	
2011-12-08-2200	541	4.002	12/8/11 22:00	0.007397	115	
2011-12-08-2300	360	2.337	12/8/11 23:00	0.006492	116	
2011-12-09-0000	400	3.335	12/9/11 0:00	0.008338	117	
2011-12-09-0100	214	0.949	12/9/11 1:00	0.004435	118	
2011-12-09-0200	211	0.934	12/9/11 2:00	0.004427	119	
2011-12-09-0300	211	0.708	12/9/11 3:00	0.003355	120	
2011-12-09-0400	212	0.925	12/9/11 4:00	0.004363	121	
2011-12-09-0500	283	1.569	12/9/11 5:00	0.005544	122	
2011-12-09-0600	383	1.821	12/9/11 6:00	0.004755	123	
2011-12-09-0700	814	-3.397	12/9/11 7:00	-0.00417	124	
2011-12-09-0800	585	-9.011	12/9/11 8:00	-0.0154	125	
2011-12-09-0900	480	-8.999	12/9/11 9:00	-0.01875	126	
2011-12-09-1000	413	2.607	12/9/11 10:00	0.006312	127	
2011-12-09-1100	413	3.384	12/9/11 11:00	0.008194	128	
2011-12-09-1200	365	1.737	12/9/11 12:00	0.004759	129	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-12-09-1300	364	1.166	12/9/11 13:00	0.003203	130	
2011-12-09-1800	555	1.556	12/9/11 18:00	0.002804	131	
2011-12-09-1900	726	3.859	12/9/11 19:00	0.005315	132	
2011-12-09-2000	668	3.77	12/9/11 20:00	0.005644	133	
2011-12-09-2100	368	0.872	12/9/11 21:00	0.00237	134	
2011-12-09-2200	368	1.483	12/9/11 22:00	0.00403	135	
2011-12-09-2300	368	2.235	12/9/11 23:00	0.006073	136	
2011-12-10-0000	105	-0.396	12/10/11 0:00	-0.00377	137	
2011-12-10-0600	305	2.105	12/10/11 6:00	0.006902	138	
2011-12-10-0700	305	3.06	12/10/11 7:00	0.010033	139	
2011-12-10-0800	207	1.743	12/10/11 8:00	0.00842	140	
2011-12-10-0900	109	1.062	12/10/11 9:00	0.009743	141	
2011-12-10-1300	107	1.009	12/10/11 13:00	0.00943	142	
2011-12-10-1900	314	3.323	12/10/11 19:00	0.010583	143	
2011-12-10-2000	333	3.658	12/10/11 20:00	0.010985	144	
2011-12-10-2100	314	3.844	12/10/11 21:00	0.012242	145	
2011-12-10-2200	314	3.929	12/10/11 22:00	0.012513	146	
2011-12-10-2300	404	5.452	12/10/11 23:00	0.013495	147	
2011-12-11-0000	312	4.155	12/11/11 0:00	0.013317	148	
2011-12-11-0100	211	3.311	12/11/11 1:00	0.015692	149	
2011-12-11-0200	211	3.76	12/11/11 2:00	0.01782	150	
2011-12-11-0400	154	2.672	12/11/11 4:00	0.017351	151	
2011-12-11-0500	155	1.755	12/11/11 5:00	0.011323	152	
2011-12-11-0600	105	1.437	12/11/11 6:00	0.013686	153	
2011-12-11-0700	230	3.916	12/11/11 7:00	0.017026	154	
2011-12-11-0800	329	2.854	12/11/11 8:00	0.008675	155	
2011-12-11-0900	317	-1.893	12/11/11 9:00	-0.00597	156	
2011-12-11-1000	300	-1.491	12/11/11 10:00	-0.00497	157	
2011-12-11-1100	300	6.056	12/11/11 11:00	0.020187	158	
2011-12-11-1800	487	5.936	12/11/11 18:00	0.012189	159	
2011-12-11-1900	487	4.99	12/11/11 19:00	0.010246	160	
2011-12-11-2000	475	1.881	12/11/11 20:00	0.00396	161	
2011-12-11-2100	475	1.86	12/11/11 21:00	0.003916	162	
2011-12-11-2200	300	-0.435	12/11/11 22:00	-0.00145	163	
2011-12-11-2300	286	3.981	12/11/11 23:00	0.01392	164	
2011-12-12-0000	150	2.367	12/12/11 0:00	0.01578	165	
2011-12-12-0600	102	1.599	12/12/11 6:00	0.015676	166	
2011-12-12-0700	100	-0.991	12/12/11 7:00	-0.00991	167	
2011-12-12-0900	138	-3.265	12/12/11 9:00	-0.02366	168	
2011-12-12-1000	150	-2.93	12/12/11 10:00	-0.01953	169	
2011-12-12-1200	150	-1.769	12/12/11 12:00	-0.01179	170	
2011-12-12-1800	400	2.733	12/12/11 18:00	0.006833	171	
2011-12-12-1900	300	-0.279	12/12/11 19:00	-0.00093	172	
2011-12-12-2000	250	-0.844	12/12/11 20:00	-0.00338	173	
2011-12-12-2100	425	-0.23	12/12/11 21:00	-0.00054	174	
2011-12-12-2200	300	-3.032	12/12/11 22:00	-0.01011	175	
2011-12-12-2300	352	3.394	12/12/11 23:00	0.009642	176	
2011-12-13-0600	106	0.805	12/13/11 6:00	0.007594	177	
2011-12-13-0700	563	5.226	12/13/11 7:00	0.009282	178	
2011-12-13-0800	550	6.209	12/13/11 8:00	0.011289	179	
2011-12-13-0900	324	3.732	12/13/11 9:00	0.011519	180	
2011-12-13-1000	323	3.986	12/13/11 10:00	0.012341	181	
2011-12-13-1100	122	1.151	12/13/11 11:00	0.009434	182	
2011-12-13-1800	517	5.205	12/13/11 18:00	0.010068	183	
2011-12-13-1900	642	6.753	12/13/11 19:00	0.010519	184	
2011-12-13-2000	315	3.633	12/13/11 20:00	0.011533	185	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-12-13-2100	164	1.945	12/13/11 21:00	0.01186	186	
2011-12-13-2200	164	1.808	12/13/11 22:00	0.011024	187	
2011-12-14-0700	307	3.429	12/14/11 7:00	0.011169	188	
2011-12-14-0800	607	8.407	12/14/11 8:00	0.01385	189	
2011-12-14-0900	355	4.558	12/14/11 9:00	0.012839	190	
2011-12-14-1000	104	1.427	12/14/11 10:00	0.013721	191	
2011-12-14-1100	304	3.529	12/14/11 11:00	0.011609	192	
2011-12-14-1200	304	3.61	12/14/11 12:00	0.011875	193	
2011-12-14-1300	104	1.228	12/14/11 13:00	0.011808	194	
2011-12-14-1600	104	1.135	12/14/11 16:00	0.010913	195	
2011-12-14-1700	104	1.009	12/14/11 17:00	0.009702	196	
2011-12-14-1800	479	5.051	12/14/11 18:00	0.010545	197	
2011-12-14-1900	504	5.808	12/14/11 19:00	0.011524	198	
2011-12-14-2000	304	3.61	12/14/11 20:00	0.011875	199	
2011-12-14-2100	304	3.572	12/14/11 21:00	0.01175	200	
2011-12-15-0700	304	2.938	12/15/11 7:00	0.009664	201	
2011-12-15-0800	309	3.634	12/15/11 8:00	0.011761	202	
2011-12-15-0900	292	3.196	12/15/11 9:00	0.010945	203	
2011-12-15-1300	139	0.92	12/15/11 13:00	0.006619	204	
2011-12-15-1400	166	0.716	12/15/11 14:00	0.004313	205	
2011-12-15-1500	216	1.521	12/15/11 15:00	0.007042	206	
2011-12-15-1600	216	1.425	12/15/11 16:00	0.006597	207	
2011-12-15-1700	216	2.44	12/15/11 17:00	0.011296	208	
2011-12-15-1800	166	2.251	12/15/11 18:00	0.01356	209	
2011-12-15-1900	116	1.493	12/15/11 19:00	0.012871	210	
2011-12-15-2100	166	-0.704	12/15/11 21:00	-0.00424	211	
2011-12-15-2200	216	0.066	12/15/11 22:00	0.000306	212	
2011-12-16-2000	103	-1.587	12/16/11 20:00	-0.01541	213	
2011-12-16-2100	154	-2.374	12/16/11 21:00	-0.01542	214	
2011-12-16-2200	305	0.096	12/16/11 22:00	0.000315	215	
2011-12-16-2300	304	0.115	12/16/11 23:00	0.000378	216	
2011-12-17-0000	355	4.966	12/17/11 0:00	0.013989	217	
2011-12-17-0100	305	3.422	12/17/11 1:00	0.01122	218	
2011-12-17-0300	205	2.974	12/17/11 3:00	0.014507	219	
2011-12-17-0400	205	2.578	12/17/11 4:00	0.012576	220	
2011-12-17-0500	305	4.303	12/17/11 5:00	0.014108	221	
2011-12-17-0600	305	4.584	12/17/11 6:00	0.01503	222	
2011-12-17-0700	305	5.44	12/17/11 7:00	0.017836	223	
2011-12-17-0800	330	5.551	12/17/11 8:00	0.016821	224	
2011-12-17-0900	380	5.477	12/17/11 9:00	0.014413	225	
2011-12-17-1000	580	3.22	12/17/11 10:00	0.005552	226	
2011-12-17-1100	580	1.816	12/17/11 11:00	0.003131	227	
2011-12-17-1200	580	2.361	12/17/11 12:00	0.004071	228	
2011-12-17-1300	605	2.86	12/17/11 13:00	0.004727	229	
2011-12-17-1600	155	1.695	12/17/11 16:00	0.010935	230	
2011-12-17-1700	205	2.328	12/17/11 17:00	0.011356	231	
2011-12-17-1800	484	5.165	12/17/11 18:00	0.010671	232	
2011-12-17-1900	549	4.487	12/17/11 19:00	0.008173	233	
2011-12-17-2000	500	7.502	12/17/11 20:00	0.015004	234	
2011-12-17-2100	504	7.893	12/17/11 21:00	0.015661	235	
2011-12-17-2200	605	9.339	12/17/11 22:00	0.015436	236	
2011-12-17-2300	705	10.948	12/17/11 23:00	0.015529	237	
2011-12-18-0000	804	11.964	12/18/11 0:00	0.014881	238	
2011-12-18-0100	604	8.362	12/18/11 1:00	0.013844	239	
2011-12-18-0200	605	8.514	12/18/11 2:00	0.014073	240	
2011-12-18-0300	603	8.084	12/18/11 3:00	0.013406	241	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-12-18-0400	603	7.724	12/18/11 4:00	0.012809	242	
2011-12-18-0500	559	7.462	12/18/11 5:00	0.013349	243	
2011-12-18-0600	549	8.307	12/18/11 6:00	0.015131	244	
2011-12-18-0700	547	8.259	12/18/11 7:00	0.015099	245	
2011-12-18-0800	544	6.39	12/18/11 8:00	0.011746	246	
2011-12-18-0900	644	3.53	12/18/11 9:00	0.005481	247	
2011-12-18-1000	507	1.6	12/18/11 10:00	0.003156	248	
2011-12-18-1100	401	0.122	12/18/11 11:00	0.000304	249	
2011-12-18-1200	640	3.462	12/18/11 12:00	0.005409	250	
2011-12-18-1500	543	6.93	12/18/11 15:00	0.012762	251	
2011-12-18-1600	304	3.744	12/18/11 16:00	0.012316	252	
2011-12-18-1700	404	4.814	12/18/11 17:00	0.011916	253	
2011-12-18-1800	447	4.922	12/18/11 18:00	0.011011	254	
2011-12-18-1900	379	2.276	12/18/11 19:00	0.006005	255	
2011-12-18-2000	353	1.208	12/18/11 20:00	0.003422	256	
2011-12-18-2100	404	-1.911	12/18/11 21:00	-0.00473	257	
2011-12-18-2200	305	-2.361	12/18/11 22:00	-0.00774	258	
2011-12-18-2300	302	-0.697	12/18/11 23:00	-0.00231	259	
2011-12-19-0000	355	4.48	12/19/11 0:00	0.01262	260	
2011-12-19-0100	176	2.625	12/19/11 1:00	0.014915	261	
2011-12-19-0200	105	1.395	12/19/11 2:00	0.013286	262	
2011-12-19-0300	205	2.729	12/19/11 3:00	0.013312	263	
2011-12-19-0400	204	2.935	12/19/11 4:00	0.014387	264	
2011-12-19-0500	355	5.026	12/19/11 5:00	0.014158	265	
2011-12-19-0600	499	1.464	12/19/11 6:00	0.002934	266	
2011-12-19-0900	205	-4.079	12/19/11 9:00	-0.0199	267	
2011-12-19-1000	274	-1.744	12/19/11 10:00	-0.00636	268	
2011-12-19-1100	300	-6.551	12/19/11 11:00	-0.02184	269	
2011-12-19-1200	205	-2.709	12/19/11 12:00	-0.01321	270	
2011-12-19-1700	305	2.062	12/19/11 17:00	0.006761	271	
2011-12-19-1800	355	-0.565	12/19/11 18:00	-0.00159	272	
2011-12-19-1900	255	-2.417	12/19/11 19:00	-0.00948	273	
2011-12-19-2000	353	-0.538	12/19/11 20:00	-0.00152	274	
2011-12-19-2100	455	0.957	12/19/11 21:00	0.002103	275	
2011-12-20-0700	480	3.33	12/20/11 7:00	0.006938	276	
2011-12-20-0800	505	4.391	12/20/11 8:00	0.008695	277	
2011-12-20-0900	305	2.477	12/20/11 9:00	0.008121	278	
2011-12-20-1800	357	1.906	12/20/11 18:00	0.005339	279	
2011-12-20-1900	482	-2.843	12/20/11 19:00	-0.0059	280	
2011-12-20-2000	455	-3.789	12/20/11 20:00	-0.00833	281	
2011-12-20-2100	606	-2.281	12/20/11 21:00	-0.00376	282	
2011-12-20-2200	305	0.84	12/20/11 22:00	0.002754	283	
2011-12-21-0800	296	1.744	12/21/11 8:00	0.005892	284	
2011-12-21-0900	300	2.379	12/21/11 9:00	0.00793	285	
2011-12-21-1800	301	0.644	12/21/11 18:00	0.00214	286	
2011-12-21-1900	492	-2.792	12/21/11 19:00	-0.00567	287	
2011-12-21-2000	501	-3.005	12/21/11 20:00	-0.006	288	
2011-12-21-2100	699	-2.795	12/21/11 21:00	-0.004	289	
2011-12-21-2200	500	3.085	12/21/11 22:00	0.00617	290	
2011-12-21-2300	100	0.076	12/21/11 23:00	0.00076	291	
2011-12-22-0800	350	0.743	12/22/11 8:00	0.002123	292	
2011-12-22-0900	300	-6.295	12/22/11 9:00	-0.02098	293	
2011-12-22-1300	100	-0.149	12/22/11 13:00	-0.00149	294	
2011-12-22-1800	275	-0.954	12/22/11 18:00	-0.00347	295	
2011-12-22-1900	200	-4.214	12/22/11 19:00	-0.02107	296	
2011-12-22-2000	225	-4.204	12/22/11 20:00	-0.01868	297	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2011-12-22-2100	450	-1.389	12/22/11 21:00	-0.00309	298	
2011-12-23-1000	250	0.299	12/23/11 10:00	0.001196	299	
2011-12-23-1100	425	2.079	12/23/11 11:00	0.004892	300	
2011-12-23-1200	600	4.022	12/23/11 12:00	0.006703	301	
2011-12-23-1300	365	1.993	12/23/11 13:00	0.00546	302	
2011-12-23-1400	485	3.815	12/23/11 14:00	0.007866	303	
2011-12-23-1500	100	-0.304	12/23/11 15:00	-0.00304	304	
2011-12-23-1700	260	0.891	12/23/11 17:00	0.003427	305	
2011-12-23-1800	599	4.568	12/23/11 18:00	0.007626	306	
2011-12-23-1900	529	4.069	12/23/11 19:00	0.007692	307	
2011-12-23-2000	450	3.258	12/23/11 20:00	0.00724	308	
2011-12-23-2100	350	2.472	12/23/11 21:00	0.007063	309	
2011-12-23-2200	100	-0.212	12/23/11 22:00	-0.00212	310	
2011-12-24-0900	150	1.143	12/24/11 9:00	0.00762	311	
2011-12-24-1000	200	1.714	12/24/11 10:00	0.00857	312	
2011-12-24-1100	188	0.19	12/24/11 11:00	0.001011	313	
2011-12-24-1800	663	4.485	12/24/11 18:00	0.006765	314	
2011-12-24-1900	555	4.327	12/24/11 19:00	0.007796	315	
2011-12-24-2000	455	3.744	12/24/11 20:00	0.008229	316	
2011-12-24-2300	100	-0.408	12/24/11 23:00	-0.00408	317	
2011-12-25-0000	100	-0.345	12/25/11 0:00	-0.00345	318	
2011-12-25-0700	225	0.974	12/25/11 7:00	0.004329	319	
2011-12-25-0800	225	1.03	12/25/11 8:00	0.004578	320	
2011-12-25-0900	300	2.257	12/25/11 9:00	0.007523	321	
2011-12-25-1000	299	2.17	12/25/11 10:00	0.007258	322	
2011-12-25-1800	462	2.886	12/25/11 18:00	0.006247	323	
2011-12-25-1900	465	3.072	12/25/11 19:00	0.006606	324	
2011-12-25-2000	398	2.189	12/25/11 20:00	0.0055	325	
2011-12-26-0700	300	1.37	12/26/11 7:00	0.004567	326	
2011-12-26-0800	602	5.21	12/26/11 8:00	0.008654	327	
2011-12-26-0900	500	4.15	12/26/11 9:00	0.0083	328	
2011-12-26-1000	300	3.899	12/26/11 10:00	0.012997	329	
2011-12-26-1800	450	3.692	12/26/11 18:00	0.008204	330	
2011-12-26-1900	500	5.203	12/26/11 19:00	0.010406	331	
2011-12-26-2000	450	4.912	12/26/11 20:00	0.010916	332	
2011-12-26-2100	600	7.735	12/26/11 21:00	0.012892	333	
2011-12-26-2200	400	5.042	12/26/11 22:00	0.012605	334	
2011-12-26-2300	296	3.132	12/26/11 23:00	0.010581	335	
2011-12-27-0500	300	2.05	12/27/11 5:00	0.006833	336	
2011-12-27-0600	300	1.799	12/27/11 6:00	0.005997	337	
2011-12-27-0700	399	2.483	12/27/11 7:00	0.006223	338	
2011-12-27-0800	449	3.432	12/27/11 8:00	0.007644	339	
2011-12-27-0900	500	4.228	12/27/11 9:00	0.008456	340	
2011-12-27-1000	400	3.509	12/27/11 10:00	0.008773	341	
2011-12-27-1100	625	6.079	12/27/11 11:00	0.009726	342	
2011-12-27-1200	958	10.4	12/27/11 12:00	0.010856	343	
2011-12-27-1300	958	10.269	12/27/11 13:00	0.010719	344	
2011-12-27-1400	857	9.111	12/27/11 14:00	0.010631	345	
2011-12-27-1500	857	8.711	12/27/11 15:00	0.010165	346	
2011-12-27-1600	857	8.109	12/27/11 16:00	0.009462	347	
2011-12-27-1700	707	7.154	12/27/11 17:00	0.010119	348	
2011-12-27-1800	932	4.191	12/27/11 18:00	0.004497	349	
2011-12-27-1900	807	1.447	12/27/11 19:00	0.001793	350	
2011-12-27-2000	798	1.7	12/27/11 20:00	0.00213	351	
2011-12-27-2100	933	3.959	12/27/11 21:00	0.004243	352	
2011-12-27-2200	739	8.307	12/27/11 22:00	0.011241	353	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor		
2011-12-27-2300	458	5.133	12/27/11 23:00	0.011207	354			
2011-12-28-0000	115	1.099	12/28/11 0:00	0.009557	355			
2011-12-28-0600	400	3.38	12/28/11 6:00	0.00845	356			
2011-12-28-0700	650	6.231	12/28/11 7:00	0.009586	357			
2011-12-28-0800	975	11.013	12/28/11 8:00	0.011295	358			
2011-12-28-0900	834	9.863	12/28/11 9:00	0.011826	359			
2011-12-28-1000	733	9.253	12/28/11 10:00	0.012623	360			
2011-12-28-1100	625	7.614	12/28/11 11:00	0.012182	361			
2011-12-28-1200	575	6.939	12/28/11 12:00	0.012068	362			
2011-12-28-1600	100	0.631	12/28/11 16:00	0.00631	363			
2011-12-28-1700	350	2.805	12/28/11 17:00	0.008014	364			
2011-12-28-1800	638	6.428	12/28/11 18:00	0.010075	365			
2011-12-28-1900	600	3.804	12/28/11 19:00	0.00634	366			
2011-12-28-2000	429	4.534	12/28/11 20:00	0.010569	367			
2011-12-28-2100	453	5.167	12/28/11 21:00	0.011406	368			
2011-12-28-2200	354	3.782	12/28/11 22:00	0.010684	369			
2011-12-28-2300	350	3.684	12/28/11 23:00	0.010526	370			
2011-12-29-0000	300	3.126	12/29/11 0:00	0.01042	371			
2011-12-29-0600	100	0.767	12/29/11 6:00	0.00767	372			
2011-12-29-0700	354	3.849	12/29/11 7:00	0.010873	373			
2011-12-29-0800	604	8.13	12/29/11 8:00	0.01346	374			
2011-12-29-0900	488	6.453	12/29/11 9:00	0.013223	375			
2011-12-29-1000	354	4.792	12/29/11 10:00	0.013537	376			
2011-12-29-1100	354	4.453	12/29/11 11:00	0.012579	377			
2011-12-29-1200	350	4.066	12/29/11 12:00	0.011617	378			
2011-12-29-1300	353	3.83	12/29/11 13:00	0.01085	379			
2011-12-29-1400	353	3.335	12/29/11 14:00	0.009448	380			
2011-12-29-1500	355	3.393	12/29/11 15:00	0.009558	381			
2011-12-29-1600	355	3.152	12/29/11 16:00	0.008879	382			
2011-12-29-1700	355	2.922	12/29/11 17:00	0.008231	383			
2011-12-29-1800	505	4.657	12/29/11 18:00	0.009222	384			
2011-12-29-1900	505	5.001	12/29/11 19:00	0.009903	385			
2011-12-29-2000	555	5.471	12/29/11 20:00	0.009858	386			
2011-12-29-2100	353	3.853	12/29/11 21:00	0.010915	387			
2011-12-29-2200	355	4.021	12/29/11 22:00	0.011327	388			
2011-12-30-0700	400	3.326	12/30/11 7:00	0.008315	389			
2011-12-30-0800	400	3.823	12/30/11 8:00	0.009558	390			
2011-12-30-0900	400	4.342	12/30/11 9:00	0.010855	391			
2011-12-30-2000	100	0.526	12/30/11 20:00	0.00526	392			
2011-12-30-2100	112	0.52	12/30/11 21:00	0.004643	393			
2012-01-02-0800	300	3.711	1/2/12 8:00	0.01237	1	393	155,171	969
2012-01-02-0900	250	3.58	1/2/12 9:00	0.01432	2	avg	395	2,466 0.625%
2012-01-02-1000	225	3.086	1/2/12 10:00	0.013716	3			
2012-01-02-1200	150	1.894	1/2/12 12:00	0.012627	4			
2012-01-03-0100	231	2.071	1/3/12 1:00	0.008965	5			
2012-01-03-0200	231	2.111	1/3/12 2:00	0.009139	6			
2012-01-03-0300	230	2.105	1/3/12 3:00	0.009152	7			
2012-01-03-0400	231	2.04	1/3/12 4:00	0.008831	8			
2012-01-03-0500	230	1.863	1/3/12 5:00	0.0081	9			
2012-01-03-0600	231	1.666	1/3/12 6:00	0.007212	10			
2012-01-03-0700	353	-5.741	1/3/12 7:00	-0.01626	11			
2012-01-03-0800	150	-6.393	1/3/12 8:00	-0.04262	12			
2012-01-03-0900	100	-4.274	1/3/12 9:00	-0.04274	13			
2012-01-03-1000	200	-8.615	1/3/12 10:00	-0.04308	14			
2012-01-03-1100	355	-11.898	1/3/12 11:00	-0.03352	15			
2012-01-03-1200	405	-7.129	1/3/12 12:00	-0.0176	16			

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2012-01-03-1300	273	0.313	1/3/12 13:00	0.001147	17	
2012-01-03-1400	598	-4.452	1/3/12 14:00	-0.00744	18	
2012-01-03-1500	395	-3.511	1/3/12 15:00	-0.00889	19	
2012-01-03-1600	199	0.037	1/3/12 16:00	0.000186	20	
2012-01-03-1700	269	1.488	1/3/12 17:00	0.005532	21	
2012-01-03-1800	738	-5.325	1/3/12 18:00	-0.00722	22	
2012-01-03-1900	573	-11.585	1/3/12 19:00	-0.02022	23	
2012-01-03-2000	299	-7.421	1/3/12 20:00	-0.02482	24	
2012-01-03-2100	150	-6.603	1/3/12 21:00	-0.04402	25	
2012-01-04-0500	190	1.134	1/4/12 5:00	0.005968	26	
2012-01-04-0600	349	2.361	1/4/12 6:00	0.006765	27	
2012-01-04-0700	437	-4.703	1/4/12 7:00	-0.01076	28	
2012-01-04-0800	385	-10.335	1/4/12 8:00	-0.02684	29	
2012-01-04-0900	449	-9.458	1/4/12 9:00	-0.02106	30	
2012-01-04-1000	407	-7.141	1/4/12 10:00	-0.01755	31	
2012-01-04-1100	524	-8.719	1/4/12 11:00	-0.01664	32	
2012-01-04-1200	573	-7.05	1/4/12 12:00	-0.0123	33	
2012-01-04-1300	689	-2.474	1/4/12 13:00	-0.00359	34	
2012-01-04-1400	684	0.229	1/4/12 14:00	0.000335	35	
2012-01-04-1500	506	4.839	1/4/12 15:00	0.009563	36	
2012-01-04-1700	302	1.854	1/4/12 17:00	0.006139	37	
2012-01-04-1800	609	2.327	1/4/12 18:00	0.003821	38	
2012-01-04-1900	809	-2.7	1/4/12 19:00	-0.00334	39	
2012-01-04-2000	585	-5.326	1/4/12 20:00	-0.0091	40	
2012-01-04-2100	664	-2.1	1/4/12 21:00	-0.00316	41	
2012-01-04-2200	408	2.552	1/4/12 22:00	0.006255	42	
2012-01-04-2300	149	0.225	1/4/12 23:00	0.00151	43	
2012-01-05-0700	199	0.349	1/5/12 7:00	0.001754	44	
2012-01-05-0800	424	-0.102	1/5/12 8:00	-0.00024	45	
2012-01-05-0900	399	-0.206	1/5/12 9:00	-0.00052	46	
2012-01-05-1000	499	0.143	1/5/12 10:00	0.000287	47	
2012-01-05-1100	424	2.888	1/5/12 11:00	0.006811	48	
2012-01-05-1800	399	2.297	1/5/12 18:00	0.005757	49	
2012-01-05-1900	474	3.109	1/5/12 19:00	0.006559	50	
2012-01-05-2000	424	3.238	1/5/12 20:00	0.007637	51	
2012-01-05-2100	200	1.121	1/5/12 21:00	0.005605	52	
2012-01-06-0800	308	1.926	1/6/12 8:00	0.006253	53	
2012-01-06-0900	366	2.544	1/6/12 9:00	0.006951	54	
2012-01-08-1800	350	-0.135	1/8/12 18:00	-0.00039	55	
2012-01-08-2000	100	-0.303	1/8/12 20:00	-0.00303	56	
2012-01-08-2100	150	0.205	1/8/12 21:00	0.001367	57	
2012-01-08-2200	250	1.408	1/8/12 22:00	0.005632	58	
2012-01-09-0600	400	2.206	1/9/12 6:00	0.005515	59	
2012-01-09-0700	400	1.074	1/9/12 7:00	0.002685	60	
2012-01-09-0800	200	-1.996	1/9/12 8:00	-0.00998	61	
2012-01-09-0900	200	-1.979	1/9/12 9:00	-0.0099	62	
2012-01-09-1000	200	-1.495	1/9/12 10:00	-0.00748	63	
2012-01-09-1100	199	-1.438	1/9/12 11:00	-0.00723	64	
2012-01-09-1200	148	-2.279	1/9/12 12:00	-0.0154	65	
2012-01-09-1300	250	-1.663	1/9/12 13:00	-0.00665	66	
2012-01-09-1400	350	-0.937	1/9/12 14:00	-0.00268	67	
2012-01-09-1800	297	-0.534	1/9/12 18:00	-0.0018	68	
2012-01-09-1900	250	-0.1	1/9/12 19:00	-0.0004	69	
2012-01-09-2000	100	-1.025	1/9/12 20:00	-0.01025	70	
2012-01-09-2100	200	-0.37	1/9/12 21:00	-0.00185	71	
2012-01-09-2200	200	-0.348	1/9/12 22:00	-0.00174	72	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2012-01-10-0600	200	-0.057	1/10/12 6:00	-0.00029	73	
2012-01-10-0700	150	-2.209	1/10/12 7:00	-0.01473	74	
2012-01-10-1800	375	2.532	1/10/12 18:00	0.006752	75	
2012-01-10-1900	250	-0.065	1/10/12 19:00	-0.00026	76	
2012-01-11-0600	100	-0.46	1/11/12 6:00	-0.0046	77	
2012-01-11-0700	250	1.024	1/11/12 7:00	0.004096	78	
2012-01-11-0800	200	0.229	1/11/12 8:00	0.001145	79	
2012-01-11-0900	100	-0.405	1/11/12 9:00	-0.00405	80	
2012-01-11-1000	188	-0.034	1/11/12 10:00	-0.00018	81	
2012-01-11-1100	200	-0.12	1/11/12 11:00	-0.0006	82	
2012-01-11-1900	200	0.216	1/11/12 19:00	0.00108	83	
2012-01-11-2000	235	0.827	1/11/12 20:00	0.003519	84	
2012-01-11-2100	399	2.604	1/11/12 21:00	0.006526	85	
2012-01-11-2200	399	2.934	1/11/12 22:00	0.007353	86	
2012-01-12-0700	375	2.825	1/12/12 7:00	0.007533	87	
2012-01-12-0800	600	2.67	1/12/12 8:00	0.00445	88	
2012-01-12-0900	500	0.012	1/12/12 9:00	0.000024	89	
2012-01-12-1000	600	2.755	1/12/12 10:00	0.004592	90	
2012-01-12-1100	200	1.035	1/12/12 11:00	0.005175	91	
2012-01-12-1300	150	0.378	1/12/12 13:00	0.00252	92	
2012-01-12-1600	260	-3.822	1/12/12 16:00	-0.0147	93	
2012-01-12-1700	260	-5.853	1/12/12 17:00	-0.02251	94	
2012-01-12-2300	101	-2.377	1/12/12 23:00	-0.02353	95	
2012-01-13-0000	307	1.721	1/13/12 0:00	0.005606	96	
2012-01-13-0800	150	-3.007	1/13/12 8:00	-0.02005	97	
2012-01-13-0900	211	-7.07	1/13/12 9:00	-0.03351	98	
2012-01-13-1000	203	-7.155	1/13/12 10:00	-0.03525	99	
2012-01-13-1100	200	-5.963	1/13/12 11:00	-0.02982	100	
2012-01-13-1200	104	-2.362	1/13/12 12:00	-0.02271	101	
2012-01-13-1400	150	-5.255	1/13/12 14:00	-0.03503	102	
2012-01-13-1500	150	-3.579	1/13/12 15:00	-0.02386	103	
2012-01-13-1600	250	-2.615	1/13/12 16:00	-0.01046	104	
2012-01-13-1700	250	-1.993	1/13/12 17:00	-0.00797	105	
2012-01-13-1800	200	-2.689	1/13/12 18:00	-0.01345	106	
2012-01-13-1900	199	-3.641	1/13/12 19:00	-0.0183	107	
2012-01-13-2000	275	-3.476	1/13/12 20:00	-0.01264	108	
2012-01-13-2100	299	-2.653	1/13/12 21:00	-0.00887	109	
2012-01-13-2300	200	-1.017	1/13/12 23:00	-0.00509	110	
2012-01-14-0100	150	-1.054	1/14/12 1:00	-0.00703	111	
2012-01-14-0200	150	-0.742	1/14/12 2:00	-0.00495	112	
2012-01-14-0300	200	0.15	1/14/12 3:00	0.00075	113	
2012-01-14-0400	200	1.579	1/14/12 4:00	0.007895	114	
2012-01-14-0500	570	7.675	1/14/12 5:00	0.013465	115	
2012-01-14-0600	700	11.59	1/14/12 6:00	0.016557	116	
2012-01-14-0700	600	6.92	1/14/12 7:00	0.011533	117	
2012-01-14-0800	599	0.95	1/14/12 8:00	0.001586	118	
2012-01-14-0900	499	-2.144	1/14/12 9:00	-0.0043	119	
2012-01-14-1000	450	-2.832	1/14/12 10:00	-0.00629	120	
2012-01-14-1100	535	-2.523	1/14/12 11:00	-0.00472	121	
2012-01-14-1200	575	-1.229	1/14/12 12:00	-0.00214	122	
2012-01-14-1300	796	2.487	1/14/12 13:00	0.003124	123	
2012-01-14-1400	399	3.591	1/14/12 14:00	0.009	124	
2012-01-14-1500	400	3.731	1/14/12 15:00	0.009328	125	
2012-01-14-1800	600	4.34	1/14/12 18:00	0.007233	126	
2012-01-14-1900	650	4.584	1/14/12 19:00	0.007052	127	
2012-01-14-2000	636	5.673	1/14/12 20:00	0.00892	128	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2012-01-14-2100	786	7.344	1/14/12 21:00	0.009344	129	
2012-01-14-2200	400	3.597	1/14/12 22:00	0.008993	130	
2012-01-14-2300	400	3.808	1/14/12 23:00	0.00952	131	
2012-01-15-0800	100	-0.302	1/15/12 8:00	-0.00302	132	
2012-01-15-0900	400	2.746	1/15/12 9:00	0.006865	133	
2012-01-15-1000	397	3.023	1/15/12 10:00	0.007615	134	
2012-01-15-1100	400	3.043	1/15/12 11:00	0.007608	135	
2012-01-15-1200	400	2.556	1/15/12 12:00	0.00639	136	
2012-01-15-1300	400	2.674	1/15/12 13:00	0.006685	137	
2012-01-15-1800	400	2.85	1/15/12 18:00	0.007125	138	
2012-01-15-1900	540	5.597	1/15/12 19:00	0.010365	139	
2012-01-15-2000	551	6.019	1/15/12 20:00	0.010924	140	
2012-01-15-2100	586	6.419	1/15/12 21:00	0.010954	141	
2012-01-15-2200	533	5.848	1/15/12 22:00	0.010972	142	
2012-01-15-2300	536	5.751	1/15/12 23:00	0.010729	143	
2012-01-16-0600	354	3.523	1/16/12 6:00	0.009952	144	
2012-01-16-0700	450	5.176	1/16/12 7:00	0.011502	145	
2012-01-16-0800	433	4.85	1/16/12 8:00	0.011201	146	
2012-01-16-0900	491	5.554	1/16/12 9:00	0.011312	147	
2012-01-16-1000	582	6.527	1/16/12 10:00	0.011215	148	
2012-01-16-1100	714	6.93	1/16/12 11:00	0.009706	149	
2012-01-16-1200	682	6.703	1/16/12 12:00	0.009828	150	
2012-01-16-1300	737	6.881	1/16/12 13:00	0.009336	151	
2012-01-16-1400	350	3.122	1/16/12 14:00	0.00892	152	
2012-01-16-1800	200	0.875	1/16/12 18:00	0.004375	153	
2012-01-16-1900	549	4.398	1/16/12 19:00	0.008011	154	
2012-01-16-2000	549	4.999	1/16/12 20:00	0.009106	155	
2012-01-16-2100	545	4.976	1/16/12 21:00	0.00913	156	
2012-01-16-2200	400	3.155	1/16/12 22:00	0.007888	157	
2012-01-17-0700	543	3.049	1/17/12 7:00	0.005615	158	
2012-01-17-0800	550	3.289	1/17/12 8:00	0.00598	159	
2012-01-17-0900	400	2.241	1/17/12 9:00	0.005603	160	
2012-01-17-1000	100	0.028	1/17/12 10:00	0.00028	161	
2012-01-17-1800	300	1.906	1/17/12 18:00	0.006353	162	
2012-01-17-1900	300	1.845	1/17/12 19:00	0.00615	163	
2012-01-17-2000	617	4.737	1/17/12 20:00	0.007677	164	
2012-01-17-2100	300	1.631	1/17/12 21:00	0.005437	165	
2012-01-18-0700	300	1.984	1/18/12 7:00	0.006613	166	
2012-01-18-0800	375	1.67	1/18/12 8:00	0.004453	167	
2012-01-18-0900	300	0.888	1/18/12 9:00	0.00296	168	
2012-01-18-1000	200	0.738	1/18/12 10:00	0.00369	169	
2012-01-18-1100	100	0.028	1/18/12 11:00	0.00028	170	
2012-01-18-1200	194	0.91	1/18/12 12:00	0.004691	171	
2012-01-18-1800	312	1.01	1/18/12 18:00	0.003237	172	
2012-01-18-1900	407	-1.015	1/18/12 19:00	-0.00249	173	
2012-01-18-2000	256	-2.995	1/18/12 20:00	-0.0117	174	
2012-01-18-2100	206	0.536	1/18/12 21:00	0.002602	175	
2012-01-18-2200	306	2.289	1/18/12 22:00	0.00748	176	
2012-01-19-0600	150	0.318	1/19/12 6:00	0.00212	177	
2012-01-19-0700	371	0.549	1/19/12 7:00	0.00148	178	
2012-01-19-0800	324	-3.994	1/19/12 8:00	-0.01233	179	
2012-01-19-0900	297	-1.847	1/19/12 9:00	-0.00622	180	
2012-01-19-1000	350	0.683	1/19/12 10:00	0.001951	181	
2012-01-19-1100	396	2.949	1/19/12 11:00	0.007447	182	
2012-01-19-1200	600	4.038	1/19/12 12:00	0.00673	183	
2012-01-19-1300	519	3.324	1/19/12 13:00	0.006405	184	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2012-01-19-1800	528	3.509	1/19/12 18:00	0.006646	185	
2012-01-19-1900	575	3.008	1/19/12 19:00	0.005231	186	
2012-01-19-2000	525	1.584	1/19/12 20:00	0.003017	187	
2012-01-19-2100	475	-0.411	1/19/12 21:00	-0.00087	188	
2012-01-19-2200	375	0.339	1/19/12 22:00	0.000904	189	
2012-01-19-2300	168	0.829	1/19/12 23:00	0.004935	190	
2012-01-20-0700	400	0.906	1/20/12 7:00	0.002265	191	
2012-01-20-0800	319	-4.546	1/20/12 8:00	-0.01425	192	
2012-01-20-0900	325	-5.639	1/20/12 9:00	-0.01735	193	
2012-01-20-1200	350	-1.151	1/20/12 12:00	-0.00329	194	
2012-01-20-1800	436	2.137	1/20/12 18:00	0.004901	195	
2012-01-20-1900	441	-0.609	1/20/12 19:00	-0.00138	196	
2012-01-20-2000	440	0.647	1/20/12 20:00	0.00147	197	
2012-01-20-2100	394	2.636	1/20/12 21:00	0.00669	198	
2012-01-20-2200	393	2.828	1/20/12 22:00	0.007196	199	
2012-01-20-2300	250	1.242	1/20/12 23:00	0.004968	200	
2012-01-21-0000	150	0.536	1/21/12 0:00	0.003573	201	
2012-01-21-0900	100	-1.719	1/21/12 9:00	-0.01719	202	
2012-01-21-1400	106	-1.875	1/21/12 14:00	-0.01769	203	
2012-01-21-1500	150	-1.765	1/21/12 15:00	-0.01177	204	
2012-01-21-1600	200	-1.477	1/21/12 16:00	-0.00739	205	
2012-01-21-1700	200	-1.237	1/21/12 17:00	-0.00619	206	
2012-01-21-1800	150	-1.873	1/21/12 18:00	-0.01249	207	
2012-01-22-1000	438	2.434	1/22/12 10:00	0.005557	208	
2012-01-22-1100	398	2.694	1/22/12 11:00	0.006769	209	
2012-01-22-1200	399	2.747	1/22/12 12:00	0.006885	210	
2012-01-22-1300	400	2.828	1/22/12 13:00	0.00707	211	
2012-01-22-1700	450	3.646	1/22/12 17:00	0.008102	212	
2012-01-22-1800	451	3.738	1/22/12 18:00	0.008288	213	
2012-01-22-1900	526	4.555	1/22/12 19:00	0.00866	214	
2012-01-22-2000	600	5.035	1/22/12 20:00	0.008392	215	
2012-01-22-2100	399	3.728	1/22/12 21:00	0.009343	216	
2012-01-22-2200	300	2.337	1/22/12 22:00	0.00779	217	
2012-01-22-2300	300	1.946	1/22/12 23:00	0.006487	218	
2012-01-23-0800	450	3.324	1/23/12 8:00	0.007387	219	
2012-01-23-0900	447	3.974	1/23/12 9:00	0.00889	220	
2012-01-23-1000	572	5.253	1/23/12 10:00	0.009184	221	
2012-01-23-1100	651	5.111	1/23/12 11:00	0.007851	222	
2012-01-23-1200	650	4.66	1/23/12 12:00	0.007169	223	
2012-01-23-1300	649	4.425	1/23/12 13:00	0.006818	224	
2012-01-23-1400	550	4.557	1/23/12 14:00	0.008285	225	
2012-01-23-1500	200	0.817	1/23/12 15:00	0.004085	226	
2012-01-23-1600	200	0.75	1/23/12 16:00	0.00375	227	
2012-01-23-1700	200	0.537	1/23/12 17:00	0.002685	228	
2012-01-23-1800	438	2.055	1/23/12 18:00	0.004692	229	
2012-01-23-1900	495	1.655	1/23/12 19:00	0.003343	230	
2012-01-23-2000	300	1.013	1/23/12 20:00	0.003377	231	
2012-01-23-2100	200	0.813	1/23/12 21:00	0.004065	232	
2012-01-23-2200	200	1.424	1/23/12 22:00	0.00712	233	
2012-01-24-0700	245	0.287	1/24/12 7:00	0.001171	234	
2012-01-24-0800	300	0.545	1/24/12 8:00	0.001817	235	
2012-01-24-0900	250	0.635	1/24/12 9:00	0.00254	236	
2012-01-24-1000	250	0.547	1/24/12 10:00	0.002188	237	
2012-01-24-1100	248	0.64	1/24/12 11:00	0.002581	238	
2012-01-24-1800	300	0.666	1/24/12 18:00	0.00222	239	
2012-01-24-1900	300	0.58	1/24/12 19:00	0.001933	240	

LGEE Hourly Incremental Losses

Hour	OSS	Inc Loss	Date-Time	% Losses	0.45%	Average Incremental Loss Factor
2012-01-24-2000	200	0.071	1/24/12 20:00	0.000355	241	
2012-01-25-0700	150	-1.009	1/25/12 7:00	-0.00673	242	
2012-01-25-1800	200	-0.083	1/25/12 18:00	-0.00042	243	
2012-01-28-1300	300	1.234	1/28/12 13:00	0.004113	244	
2012-01-28-1400	200	0.319	1/28/12 14:00	0.001595	245	
2012-01-28-1900	275	0.344	1/28/12 19:00	0.001251	246	
2012-01-28-2000	400	2.174	1/28/12 20:00	0.005435	247	
2012-01-28-2100	200	0.493	1/28/12 21:00	0.002465	248	
2012-01-29-1000	100	-0.824	1/29/12 10:00	-0.00824	249	
2012-01-29-1900	250	0.26	1/29/12 19:00	0.00104	250	
2012-01-29-2000	400	1.924	1/29/12 20:00	0.00481	251	
2012-01-29-2100	200	0.135	1/29/12 21:00	0.000675	252	
2012-01-30-0700	257	-1.366	1/30/12 7:00	-0.00532	253	
2012-01-30-0800	100	-2.89	1/30/12 8:00	-0.0289	254	
2012-01-30-0900	100	-2.708	1/30/12 9:00	-0.02708	255	
2012-01-30-1000	100	-2.734	1/30/12 10:00	-0.02734	256	
2012-01-30-1300	100	0.79	1/30/12 13:00	0.0079	257	
2012-01-30-1800	398	3.493	1/30/12 18:00	0.008776	258	
2012-01-30-1900	399	3.959	1/30/12 19:00	0.009922	259	
2012-01-30-2000	450	4.693	1/30/12 20:00	0.010429	260	
2012-01-30-2100	450	5.446	1/30/12 21:00	0.012102	261	
2012-01-31-0700	350	3.187	1/31/12 7:00	0.009106	262	
2012-01-31-0800	424	4.679	1/31/12 8:00	0.011035	263	
2012-01-31-0900	200	2.271	1/31/12 9:00	0.011355	264	
2012-01-31-1000	100	0.639	1/31/12 10:00	0.00639	265	
					265	92,041
					avg	347 0.621 0.179%

Figures

LGEE Losses (MW) vs Hourly (MW) Off System Sales

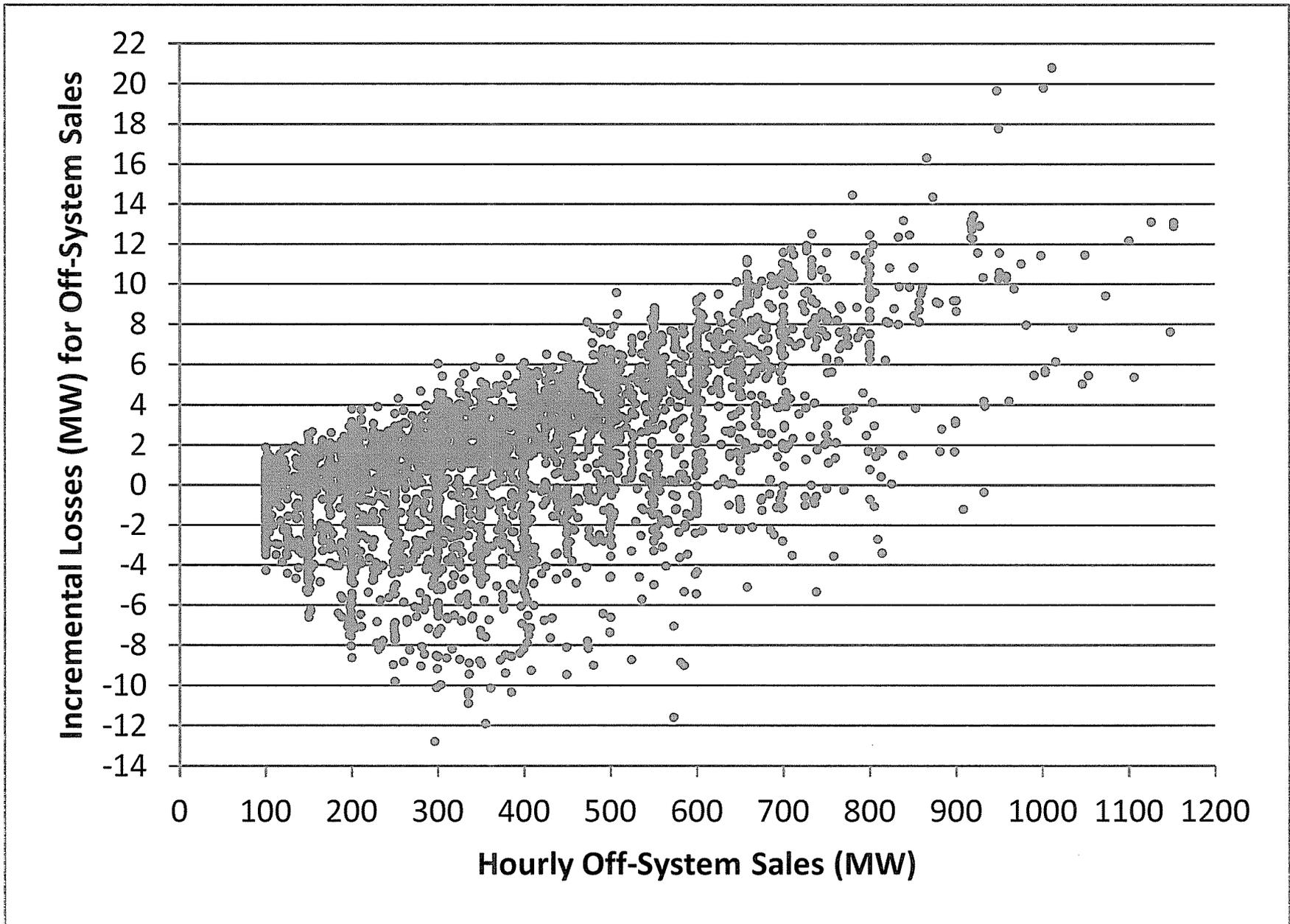


Figure 1

LGEE Range % Loss By Month

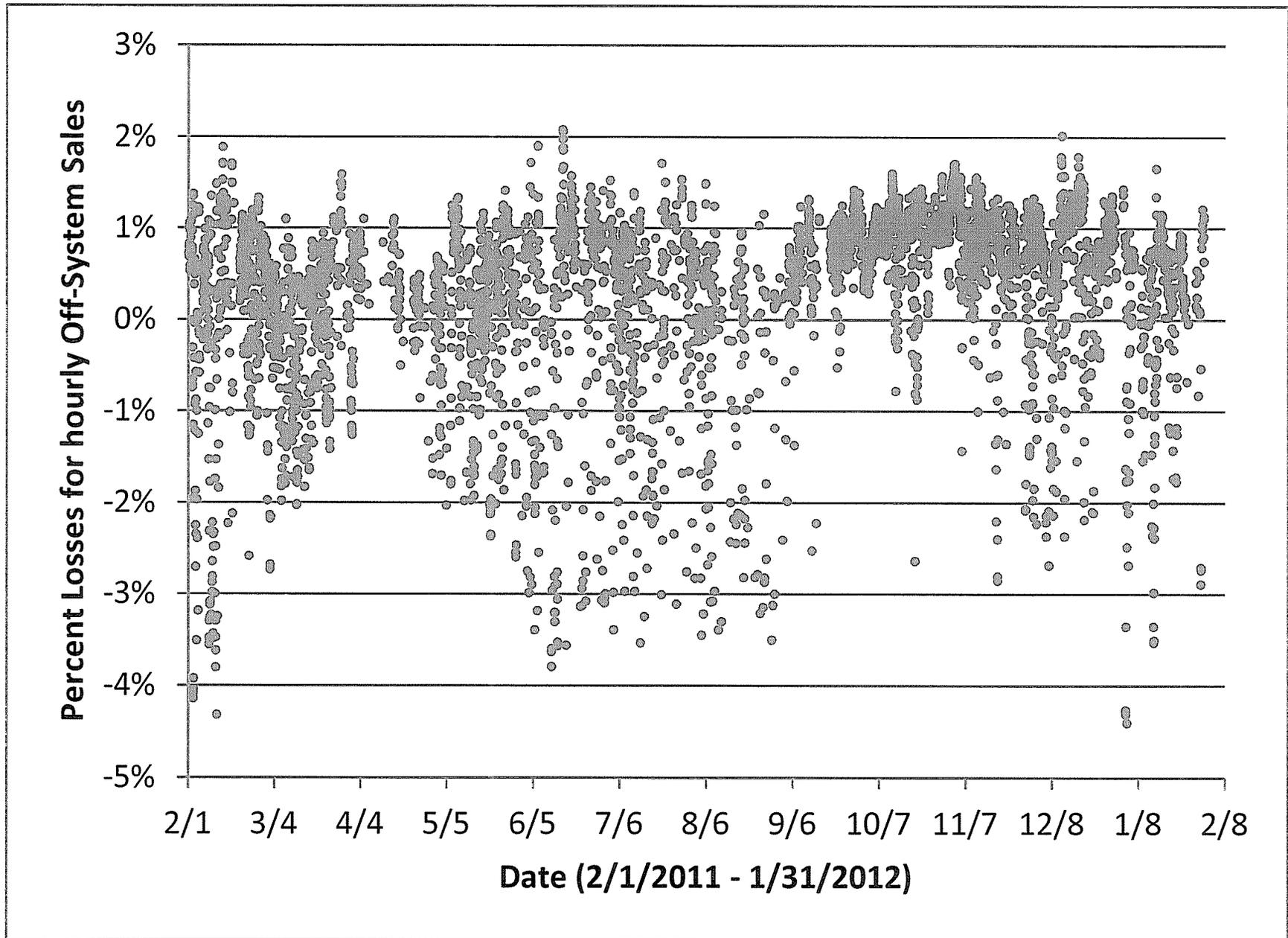


Figure 2

LGEE Range MW Off System Sales By Month

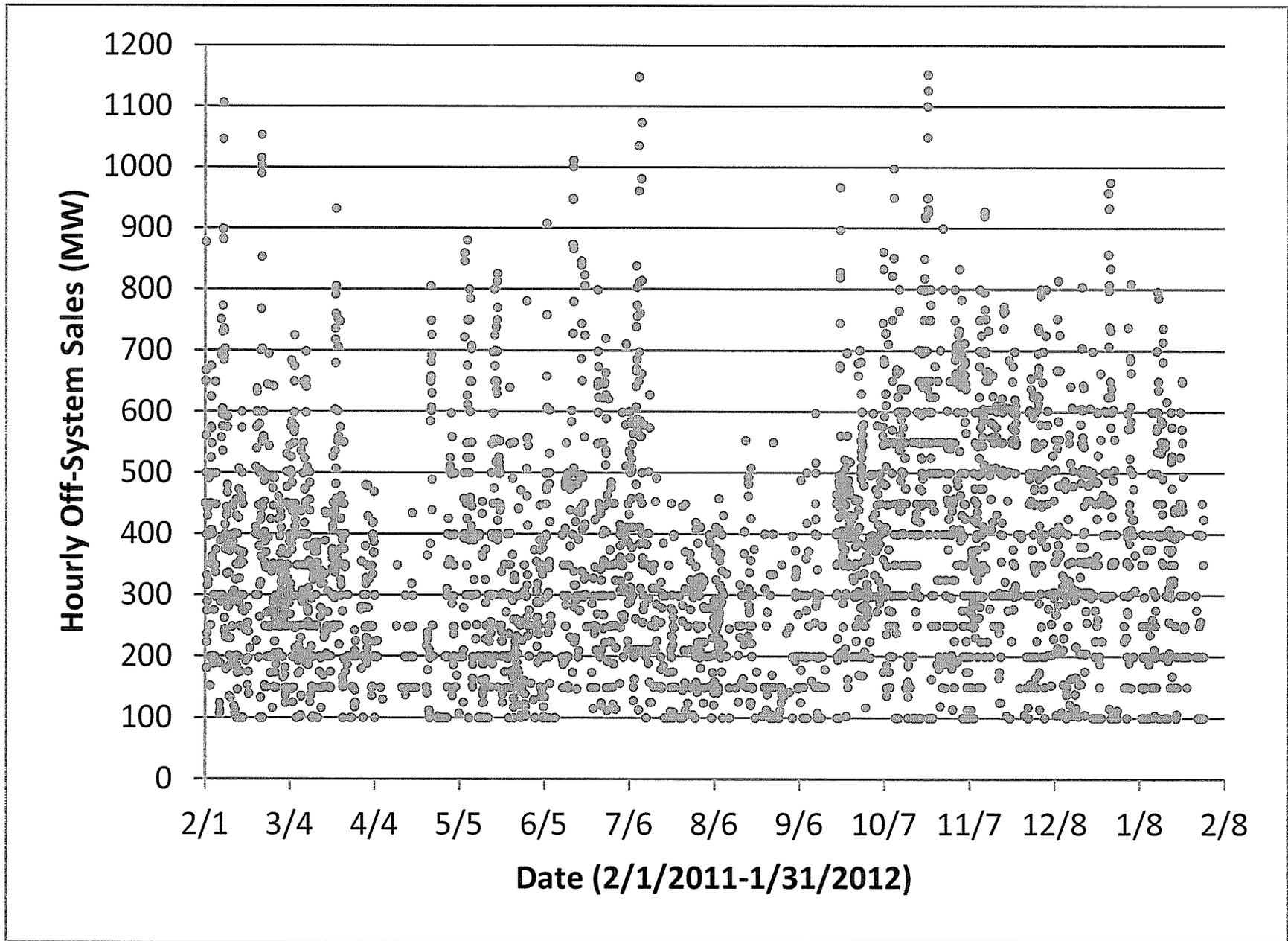


Figure 3

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 37

Witness: Mike Dotson

- Q-37. State whether LG&E has solicited bids for coal with the restriction that it was not mined through strip mining or mountain top removal. If the response is yes, explain the reasons for the restriction on the solicitation, the quantity in tons and price per ton of the coal purchased as a result of this solicitation, and the difference between the price of this coal and the price it could have obtained for the coal if the solicitation had not been restricted.
- A-37. LG&E has not solicited bids with this restriction.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 38

Witness: Charles R. Schram

- Q-38. List LG&E's generating units in economic dispatch order. State whether LG&E operated its generating units in economic dispatch order during the period under review. If the response is no, explain.
- A-38. Please see the attached sheet, which shows the generating units' dispatch order rank for each month of the two-year review period.

Consistent with their historical practice since their merger in 1998, KU and LG&E jointly dispatched their generation fleet during the period under review to produce energy at the lowest cost to reliably serve customers, taking into account locational and operational limits of generation and transmission equipment, reliability factors, and other economic considerations. The generation fleet presently consists of both coal-fired base load units and fossil-fueled natural gas combustion turbines ("CTs"), built to serve primarily as peaking units. CTs are known for their ability to quickly ramp to capacity, enabling rapid response to increasing load conditions or to mitigate any unexpected base load coal unit outages. Conversely, off-line coal units cannot ramp quickly enough to serve rapidly increasing load or to mitigate the outage of CTs.

Each month, the Companies produce a list of generating units in dispatch order ("Genstack"). The Genstack details the cost of producing a MWh of electricity from each unit. The unit order is affected primarily by fuel cost and each unit's efficiency, better known as heat rate. Each day, a dispatch plan is developed, modifying the monthly Genstack as needed to reflect unit availability status, any change in fuel costs, and other operating and reliability factors. Fuel costs for the base load coal units typically do not change significantly within a given month. Natural gas prices, however, can change frequently, making the relative position of natural gas-fired CTs in the Genstack more variable in each daily plan.

During the spring months of 2012, natural gas prices fell significantly, reaching almost historic low prices. At times, gas prices fell below coal prices on a \$/MMBtu basis. As a result, some CTs were placed before some coal units in the dispatch order. For example, in April and May of 2012, CT generation comprised 14% of total generation, compared

to only 2% in April and May of 2011. Therefore, the Companies' daily economic dispatch plans considered the operational limits on running the CTs, selecting a mix of the lowest cost CTs (based on each unit's heat rate) and base load coal capacity to ensure reliability across a potential range of load and unit outage contingencies. Considering such operational limits is crucial, since an economic dispatch based strictly on incremental fuel cost has no value if the resulting configuration of electric generation and transmission becomes unreliable and fails.

Rank of Dispatch Costs from Monthly Genstacks (11/2010 - 10/2012)

Unit	11/2010	12/2010	01/2011	02/2011	03/2011	04/2011	05/2011	06/2011	07/2011	08/2011	09/2011	10/2011	11/2011	12/2011	01/2012	02/2012	03/2012	04/2012	05/2012	06/2012	07/2012	08/2012	09/2012	10/2012
BROWN 1	17	17	18	18	18	18	18	18	18	18	18	19	18	19	19	24	24	24	21	20	18	20	16	
BROWN 2	15	16	16	16	17	17	17	17	17	17	17	17	17	16	16	19	22	22	20	17	13	13	14	20
BROWN 3	16	15	17	17	16	16	16	16	16	16	16	16	16	17	18	23	23	23	20	18	16	17	15	
CANE RUN 4	11	11	13	12	9	12	10	11	9	9	11	10	11	12	15	18	18	21	16	14	14	15	14	
CANE RUN 5	9	8	11	11	10	11	9	12	10	10	9	9	9	10	12	14	15	18	15	14	11	11	9	8
CANE RUN 6	12	12	14	14	13	14	14	14	14	14	14	14	14	14	14	17	16	19	18	15	15	13	13	
GHENT 1	7	7	7	6	8	8	8	8	8	8	8	8	8	8	6	6	7	10	10	7	6	6	5	5
GHENT 2	6	6	8	7	6	6	7	7	7	7	7	7	7	7	4	4	3	7	6	3	3	3	2	2
GHENT 3	10	10	9	9	12	10	12	10	13	13	12	12	12	9	8	9	9	12	11	9	8	8	6	6
GHENT 4	8	9	10	10	11	9	11	9	11	11	10	11	10	11	11	11	13	17	14	11	9	9	11	10
GR RIVER 3	14	14	15	15	15	15	15	15	15	15	15	15	15	15	13	16	17	20	22	19	17	17	19	17
GR RIVER 4	13	13	12	13	14	13	13	13	12	12	13	13	13	13	9	7	10	14	13	15	12	12	10	11
MILL CREEK 1	2	1	3	3	2	1	2	2	1	1	1	2	2	3	2	2	4	6	5	4	4	4	4	3
MILL CREEK 2	3	3	2	2	3	3	3	3	3	3	3	3	3	2	3	3	6	8	8	5	5	5	7	7
MILL CREEK 3	4	4	5	5	5	5	5	5	5	5	5	5	6	6	7	10	12	15	12	12	10	10	12	12
MILL CREEK 4	1	2	4	4	4	4	4	4	2	4	4	4	4	4	10	12	8	9	9	8	7	7	8	9
TRIMBLE 1	5	5	6	8	7	7	6	6	6	6	6	6	5	5	5	5	2	5	3	2	2	2	3	4
TRIMBLE 2			1	1	1	2	1	1	4	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1
TYRONE 3	20	18	20	21	22	21	21																	
BROWN 5	24	24	23	23	23	23	23	22	22	22	22	22	22	22	24	22	19	11	16	22	22	22	22	22
BROWN 6 & 7	18	20	21	20	19	20	20	20	20	20	20	20	20	20	20	13	11	3	4	13	19	20	18	19
BROWN 8 & 11	22	22	24	24	24	24	24	23	23	23	23	23	23	23	23	21	21	16	19	23	23	24	24	24
BROWN 9 & 10	22	22	24	24	24	24	24	23	23	23	23	23	23	23	22	20	20	13	17	24	24	24	23	23
TRIMBLE 5 - 10	19	19	19	19	20	19	19	19	19	19	19	18	19	18	17	8	5	1	2	6	16	19	16	18
CANE RUN 11	26	26	27	27	27	27	27	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	27	27
HAEFLING	29	29	30	30	30	30	30	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
PADDYS RUN 11	25	25	26	26	26	26	26	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
PADDYS RUN 12	27	27	28	28	28	28	28	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	26
PADDYS RUN 13	21	21	22	22	21	22	22	21	21	21	21	21	21	21	21	15	14	4	7	10	21	21	21	21
ZORN 1	28	28	29	29	29	29	29	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28

NOTES: 1 - Tyrone 3 was on inactive reserve status after 5/2011

2 - Trimble 2 was commissioned in 1/2011

3 - Brown 6 & 7, Brown 8 & 11, Brown 9 & 10, and Trimble 5 - 10 are grouped to reflect identical dispatch costs

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 39

Witness: Robert M. Conroy

Q-39. In its most recent two-year case, Case No. 2010-00493¹, the roll-in of fuel costs into LG&E's base rates was approved using a "flash cut" approach, which resulted in an immediate change from its then-existing base fuel cost to its new base fuel cost, rather than a "transitional approach" in which the first month's fuel cost is an average of the old and new base fuel cost. LG&E also indicated its preference that any change in base rates be approved on a "bills rendered" basis rather than a "service rendered" basis. If the current FAC review results in changes to its base rates, does LG&E continue to prefer the same "flash cut" approach on a "bills rendered" basis as authorized in Case No. 2010-00493? Explain.

A-39. Yes. The "flash-cut" or "single-step" approach to implementing a new base fuel cost simplifies the logistics of implementation. Utilization of the "single-step" approach allows LG&E to revise base rates only once in connection with the roll-in of a new base fuel cost whereas the "transitional" or "two-step" approach requires two consecutive base rate changes: (1) once for the average of the old and new base fuel costs, and (2) again for the new base fuel cost. LG&E's customers will not see any difference in their bills by using one approach over another, since any change in the base fuel cost is immediately reflected in the determination of the current expense month FAC billing factor. For ease of implementation and cost minimization, LG&E prefers the "flash-cut" or "single-step" approach to implementing a change in base fuel costs, with the implementation taking effect with bills rendered beginning with the first billing cycle in the second month following the month in which the Commission issues its Order in this proceeding.

¹ Case No. 2010-00493, An Examination of the Application of the Fuel Adjustment Clause of Louisville Gas and Electric Company from November 1, 2008 through October 31, 2010 (Ky. PSC May 31, 2011).

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
in Appendix B of Commission's Order Dated February 13, 2013**

Case No. 2012-00553

Question No. 40

Witness: Robert M. Conroy

- Q-40. In its most recent rate case, Case No. 2012-00222², LG&E proposed to reflect a change to the FAC calculation. LG&E proposed to include Interchange In energy as a component of sales in the FAC monthly calculation. This proposal was accepted with the approval of the Settlement Agreement in that case.
- a. Provide the aggregate effect it would have had on the monthly FAC filings if LG&E had included Interchange In energy as a component of sales in the FAC calculation during the period under review.
 - b. Provide the aggregate effect it would have had on the monthly FAC filings if LG&E had included Interchange In energy as a component of sales in the FAC calculation during the period under review excluding the months of the test year in that case.
 - c. State whether LG&E believes that an adjustment should be made to a future FAC filing to account for the aggregate effect identified in a. or b. above? If LG&E believes that no adjustment is necessary, explain.
- A-40. a. LG&E's aggregate change in fuel costs by including Interchange In energy as a component of sales is estimated to be a net increase of \$3,949,389 for the entire two-year period under review.
- b. LG&E's aggregate change in fuel costs by including Interchange In energy as a component of sales is estimated to be a net increase of \$1,300,288 for the twelve months of November 2010 through March 2011 and April 2012 through October 2012.
 - c. No. LG&E included the appropriate adjustment to reflect both the change in fuel cost and the change in fuel revenues had Interchange In been included as a component of sales in the FAC monthly calculations when establishing base rates in Case No. 2012-00222. Please see the supporting calculation for Exhibit 1, Reference Schedule 1.03

² Case No. 2012-00222, Application of Louisville Gas and Electric Company for an Adjustment of Its Electric and Gas Rates, a Certificate of Public Convenience and Necessity, Approval of Ownership of Gas Service Lines and Risers, and a Gas Line Surcharge (Ky. PSC Dec. 20, 2012)

contained in Conroy Exhibit P3 in Case No. 2012-00222. The revision to base rates were effective January 1, 2013 and the revision to the FAC monthly calculations went into effect with the January 2013 expense month. Further, although the base rates in effect prior to January 2013 did not include an adjustment to reflect Interchange In in the FAC, the base rates in existence appropriately reflected the FAC fuel costs and revenues as the FAC was being calculated and billed to customers. For these reasons, LG&E does not believe an adjustment to future FAC filings is necessary.