

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

AN ELECTRONIC EXAMINATION OF THE)	
APPLICATION OF THE FUEL)	
ADJUSTMENT CLAUSE OF LOUISVILLE)	CASE NO. 2021-00056
GAS AND ELECTRIC COMPANY FROM)	
NOVEMBER 1, 2018 TO OCTOBER 31, 2020)	

RESPONSE OF
LOUISVILLE GAS AND ELECTRIC COMPANY
TO
COMMISSION STAFF'S FIRST REQUEST FOR INFORMATION
DATED MARCH 4, 2021

FILED: MARCH 22, 2021

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated March 4, 2021**

Case No. 2021-00056

Question No. 1

Responding Witness: Delbert Billiter

Q-1. For the period from May 1, 2020, to October 31, 2020 (the last six months of the period under review), provide the amount of coal purchased in tons and the percentage of purchases that were spot versus contract.

A-1. During the review period LG&E purchased 2,684,246 tons of coal.

Spot: 0% (0 tons)

Contract: 100% (2,684,246 tons)

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated March 4, 2021**

Case No. 2021-00056

Question No. 2

Responding Witness: Delbert Billiter

- Q-2. For the last six months of the period under review, list each coal purchase made under a long-term contract (one year or greater). For each purchase, list:
- a. Contract or purchase order number;
 - b. The supplier's name;
 - c. The location(s) of production facilities from which the coal is sourced;
 - d. The method of delivery, (i.e., barge, truck, rail, other);
 - e. The actual quantity received during the review period; and
 - f. Current price paid per ton.
- A-2. See attached. For the last six months of the period under review, Page 1 of the attachment shows only the actual quantity received by LG&E under each contract, and Page 2 shows the actual combined quantity received by LG&E and KU under each contract.

LOUISVILLE GAS AND ELECTRIC COMPANY

Response to Commission Staff's First Request for Information
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Case No. 2021-00056

Question No. 3

Responding Witness: Delbert Billiter

Q-3.

- a. As of the last day of the review period, state the coal inventory level in tons, and in number of days' supply. Provide this information by generating station and in the aggregate.
- b. Describe the criteria used to determine the number of days' supply.
- c. State the target coal inventory level for each generating station, and for the total system.
- d. If actual coal inventory exceeds the target inventory by ten days' supply, state the reasons for the excessive inventory.
- e.
 - (1) State whether any significant changes in the current coal inventory target are expected within the next 12 months.
 - (2) If so, state the expected change, and the reasons for this change.

A-3.

- a. As of October 31, 2020:

Mill Creek	510,208 Tons; 35 Days	Target 20-39 Days
<u>Trimble County^{1,2}</u>	<u>185,415 Tons; 38 Days</u>	<u>Target 21-43 Days</u>
Total	695,623 Tons; 34 Days	Target 20-39 Days

¹Inventory listed for Trimble County does not include the 32,400 tons sold to the Refined Coal facility operator that remains in the onsite coal pile, as previously discussed in Case No. 2015-00264.

²Trimble County coal inventory tons are LG&E's allocated ownership of both high sulfur coal, which is used in Unit 1 and Unit 2, and PRB coal,

which is used only in Unit 2. The days in inventory and target range are calculated on a combined basis regardless of ownership.

- 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 days of inventory targets were established for each plant taking into consideration the plant's operating parameters. Each plant's "least cost" inventory range is established annually during the planning process taking into account the risk of coal delivery disruptions, potential coal burn volatility, procurement reaction time for short term coal supply, cost of unserved energy, and current coal and electricity prices.

- c. See (a) above.
- d. Not applicable.
- e. (1) LG&E does not expect significant changes to 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
Dated March 4, 2021**

Case No. 2021-00056

Question No. 4

Responding Witness: Delbert Billiter

Q-4. List each written coal-supply solicitation issued during the last six months of the period under review.

- a. For each solicitation, provide the date of the solicitation, the type of solicitation (contract or spot), the quantities solicited, a general description of the quality of coal solicited, the 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(s). 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-4. a. **SOLICITATION 1**

Date: September 3, 2020
Contract/Spot: Contract or Spot
Quantities: No minimum or maximum specified
Quality: Suitable for KU's Ghent and E.W. Brown Stations, LG&E's Mill Creek Station, and KU's and LG&E's Trimble County Station
Period: October 1, 2020 through December 31, 2020 – Spot
2021 and beyond – Contract
Generating Units: All units at Ghent, E.W. Brown, Mill Creek, and Trimble County Stations

- b. Number of vendors sent a solicitation: 63
Number of vendors responded: 11 companies / 23 offers
Selected vendor(s): The vendors selected were based upon the lowest evaluated delivered cost, operational and environmental requirements of the coal units, and other factors impacting coal supply reliability as noted on the attached bid evaluation sheets.

High Sulfur Coal - Spot

Alliance Coal, LLC – J20023

Foresight Coal Sales, LLC – J20022

High Sulfur Coal – Contract

ACNR Coal Sales, Inc. – J23001

Alliance Coal, LLC – J21010

Coal Network, LLC – J20024

Foresight Coal Sales, LLC – J21011

Knight Hawk Coal, LLC – J21022

Peabody COALSALES, LLC – J21009

The bid analysis information is confidential and proprietary and is being provided under seal pursuant to a petition for confidential protection.

The entire attachment is
Confidential and
provided separately
under seal.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
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Case No. 2021-00056

Question No. 5

Responding Witness: Delbert Billiter

- Q-5. List each oral coal-supply solicitation issued during the last six months of the period under review.
- 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 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(s) 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-5. There were no oral coal-supply solicitations during the period under review.

LOUISVILLE GAS AND ELECTRIC COMPANY

Response to Commission Staff's First Request for Information Dated March 4, 2021

Case No. 2021-00056

Question No. 6

Responding Witness: Charles R. Schram

Q-6. For the last six months of the period under review, list each vendor from whom natural gas was purchased for generation and the quantities and the nature of each purchase (i.e., spot or contract). Provide the percentage of purchases that were spot versus contract.

A-6.

<u>Vendor</u>	<u>Type</u> ¹	<u>MMBTU</u>
BP Energy Company	Spot	458,300
Castleton Commodities Merchant Trading L.P.	Spot	24,000
CIMA Energy, LP	Spot	68,600
Colonial Energy, Inc.	Spot	7,000
ConocoPhillips Company	Spot	10,600
Direct Energy Business Marketing, LLC	Spot	20,300
DTE Energy Trading, Inc.	Spot	58,400
Eco-Energy Natural Gas, LLC	Spot	167,417
Engie Energy Marketing NA, Inc.	Spot	22,300
Exelon Generation Company, LLC	Spot	71,400
Hartree Partners, L.P.	Spot	10,000
J. Aron & Company LLC	Spot	21,500
Macquarie Energy, LLC	Spot	102,800
Mercuria Energy America, Inc.	Spot	10,000
NextEra Energy Marketing, LLC	Spot	816,470
NJR Energy Services Company	Spot	231,000
Ovintiv Marketing Inc.	Spot	400,000
Sequent Energy Management, L.P.	Spot	24,800
Shell Energy North America (US), L.P.	Spot	811,300
Southwest Energy, L.P.	Spot	90,200
Spire Marketing Inc.	Spot	73,400
Tenaska Marketing Ventures	Spot	9,991,400
Tennessee Gas Pipeline Company, L.P.	Spot	30,031
Texla Energy Management, Inc.	Spot	139,100
Twin Eagle Resource Management, LLC	Spot	159,500
United Energy Trading, LLC	Spot	927,517
Wells Fargo Commodities, LLC	Spot	81,000
Columbia Gas of Kentucky, Inc.	GSO Customer ²	246
LG&E Gas Supply	Special Contract ³	74,402
Engie Energy Marketing NA, Inc.	Forward	3,679,414
J. Aron & Company LLC	Forward	3,069,454
Mercuria Energy America, Inc.	Forward	1,838,958
	Total Volume	23,490,809

¹ Spot refers to gas purchases delivered during the next gas day following the transaction. Friday transactions include Sat, Sun, & Mon (holiday weekends can cover four days). Forward refers to gas purchased for delivery periods typically starting after the current month.

² KU is a General Sales Other (GSO) customer of Columbia Gas of Kentucky for the Haefling Plant; no volume purchase commitments.

³ LG&E is the local gas distribution company; no volume purchase commitments.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
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Question No. 7

Responding Witness: Charles R. Schram

- Q-7. For the last six months of the period under review, state if there were any instances in which a natural gas generating unit could not be operated when it otherwise would have run, due to pipeline constraints or natural gas being unavailable.
- A-7. There were no instances of generating unit restrictions due to pipeline constraints or natural gas unavailability.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated March 4, 2021**

Case No. 2021-00056

Question No. 8

Responding Witness: Delbert Billiter / Charles R. Schram

- Q-8. State if there have been any changes to hedging activities for coal or natural gas purchases used for generation since the previous FAC review proceeding. If so, describe the changes in detail.
- A-8. LG&E does not engage in financial hedging activities for its coal or natural gas purchases.

There have been no changes to the physical hedging practices or guidelines since the previous review proceeding.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated March 4, 2021**

Case No. 2021-00056

Question No. 9

Responding Witness: Delbert Billiter / Charles R. Schram

Q-9.

- a. State whether LG&E has audited any of its fuel or transportation contracts during the last six months of the period under review.
- b. If so, for each audited contract:
 - (1) Identify the contract;
 - (2) Identify the auditor; and
 - (3) State the results of the audit and describe the actions that LG&E took as a result of the audit.

A-9.

- a. No. LG&E has not conducted any financial audits of fuel or transportation contracts.

LG&E's Manager Fuels Technical Services or LG&E's Mining Engineer conducts scheduled on-site reviews and inspections of the mining operations, scales 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.

- b. Not applicable.

LOUISVILLE GAS AND ELECTRIC COMPANY

Response to Commission Staff's First Request for Information

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Case No. 2021-00056

Question No. 10

Responding Witness: Delbert Billiter / Charles R. Schram

Q-10.

- a. State whether LG&E is currently involved in any litigation with its current or former fuel suppliers or transportation vendors.
- b. If yes, for each litigation:
 - (1) Identify the supplier or vendor;
 - (2) Identify the 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 suppliers or vendors.

A-10.

- a. LG&E is not involved in direct litigation with a supplier but is involved in a Chapter 11 bankruptcy process with two of its coal suppliers impacting one contract.
- b.
 - (1) Eagle River Coal, LLC and White Stallion Energy, LLC
 - (2) Coal Supply Agreement J19002 between LG&E and KU and Eagle River Coal, LLC and White Stallion Energy, LLC (dated as of July 20, 2018, as amended)

- (3) LG&E would have no liability other than continuing to perform under the terms of J19002. If Eagle River Coal, LLC and White Stallion Energy, LLC are unsuccessful in an approved bankruptcy reorganization or sale and the contract is ultimately terminated, LG&E would enter the market for replacement coal
 - (4) White Stallion Energy, LLC filed for Chapter 11 relief in U.S. Bankruptcy Court for the District of Delaware (case no. 20-13037) on December 2, 2020 and Eagle River Coal, LLC filed for Chapter 11 relief (case no. 21-10118) in the same court on January 26, 2021. The cases are jointly administered under the White Stallion Energy, LLC docket.
 - (5) Copies of court pleadings and documents are available on-line via Prime Clerk (Duff & Phelps), the debtor's public bankruptcy service provider, at the link:

<https://cases.primeclerk.com/WhiteStallion/Home-DocketInfo>
- c. Eagle River Coal, LLC and White Stallion Energy, LLC have idled all operations while they evaluate options and solicit bids on their assets.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated March 4, 2021**

Case No. 2021-00056

Question No. 11

Responding Witness: Delbert Billiter / Charles R. Schram

Q-11.

- a. For the last six months of the period under review, state if there have been any changes to LG&E's written policies and procedures regarding its fuel procurement?
- b. If yes:
 - (1) Describe the changes;
 - (2) Provide the written policies and procedures as changed;
 - (3) State the date(s) the changes were made; and
 - (4) Explain why the changes were made.
- c. If no, provide the date 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-11. During the period under review, there were no changes to The Corporate Fuels and By-Products Procurement Procedures for coal. The Corporate Fuels and By-Products Procurement Procedures were last updated April 1, 2017 and were provided to the Commission in Case No. 2017-00285 in response to Question No. 1-15.

During the period under review, there were no changes to the Power Supply Commodity Policy – Natural Gas Fuel for Generation. The Power Supply Commodity Policy – Natural Gas Fuel for Generation was last updated January 1, 2020 and was provided to the Commission in Case No. 2020-00248 in response to Question No. 1-11.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff’s First Request for Information
Dated March 4, 2021**

Case No. 2021-00056

Question No. 12

Responding Witness: Stuart A. Wilson

Q-12. For the last six months of the period under review and for the years 2021 and 2022, list all firm power commitments for LG&E for (a) purchases and (b) sales. This list shall identify the electric utility, the amount of commitment in MW, and the purpose of the commitment (i.e., peaking, emergency).

A-12.

(a) The firm purchases from Ohio Valley Electric Corporation (OVEC) for May 2020 through October 2020 and the forecasted purchases for 2021 and 2022 are shown in the following table. LG&E will purchase its participation ratio (5.63%) of the OVEC released capacity for the months in question.

Utility	Period	Companies’ Amt (MW)	LG&E Portion (MW)	Purpose
OVEC	May 2020	~ 73	~ 51	Baseload
OVEC	Jun 2020	~ 127	~ 88	Baseload
OVEC	Jul 2020	~ 138	~ 96	Baseload
OVEC	Aug 2020	~ 138	~ 96	Baseload
OVEC	Sep 2020	~ 95	~ 66	Baseload
OVEC	Oct 2020	~ 70	~ 48	Baseload
OVEC	Jan 2021	~ 158	~ 109	Baseload
OVEC	Feb 2021	~ 158	~ 109	Baseload
OVEC	Mar 2021	~ 126	~ 87	Baseload
OVEC	Apr 2021	~ 92	~ 63	Baseload
OVEC	May 2021	~ 109	~ 75	Baseload
OVEC	Jun 2021	~ 135	~ 93	Baseload
OVEC	Jul 2021	~ 138	~ 96	Baseload
OVEC	Aug 2021	~ 138	~ 96	Baseload
OVEC	Sep 2021	~ 110	~ 76	Baseload
OVEC	Oct 2021	~ 99	~ 69	Baseload
OVEC	Nov 2021	~ 154	~ 107	Baseload

OVEC	Dec 2021	~ 158	~ 109	Baseload
OVEC	Jan 2022	~ 158	~ 109	Baseload
OVEC	Feb 2022	~ 158	~ 109	Baseload
OVEC	Mar 2022	~ 123	~ 85	Baseload
OVEC	Apr 2022	~ 110	~ 76	Baseload
OVEC	May 2022	~ 110	~ 76	Baseload
OVEC	Jun 2022	~ 133	~ 92	Baseload
OVEC	Jul 2022	~ 138	~ 96	Baseload
OVEC	Aug 2022	~ 138	~ 96	Baseload
OVEC	Sep 2022	~ 103	~ 72	Baseload
OVEC	Oct 2022	~ 113	~ 78	Baseload
OVEC	Nov 2022	~ 148	~ 102	Baseload
OVEC	Dec 2022	~ 158	~ 109	Baseload

(b) None.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated March 4, 2021**

Case No. 2021-00056

Question No. 13

Responding Witness: Andrea M. Fackler

- Q-13. Provide a monthly billing summary of sales to all electric utilities for the last six months of the period under review.
- A-13. See attached.



Louisville Gas and Electric Company

Power Transaction Schedule

<u>Company</u>	Type of Transaction	KWH	Billing Components			Total Charges(\$)
			Demand(\$)	Fuel Charges(\$)	Other Charges(\$)	
Sales						
EVERGY KANSAS CENTRAL, INC.	EVGY	Economy	1,000	\$ 24.73	\$ 246.81	\$ 271.54
ENERGY IMBALANCE	IMBL	Economy	2,000	\$ 46.21	\$ 461.15	\$ 507.36
MACQUARIECOOK	MACQUARIE	Economy	2,000	\$ 49.40	\$ 493.01	\$ 542.41
MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC.	MISO	Economy	3,000	\$ 74.30	\$ 741.36	\$ 815.66
RAINBOW ENERGY MARKETING CORP	REMC	Economy	1,000	\$ 23.44	\$ 234.01	\$ 257.45
TENNESSEE VALLEY AUTHORITY	TVA	Economy	(2,000)	\$ (32.42)	\$ (77.18)	\$ (109.60)
KENTUCKY UTILITIES COMPANY	KU	Economy	5,074,000	\$ 106,607.57	\$ 3,747.16	\$ 110,354.73
Total Sales			5,081,000	\$ -	\$ 5,846.32	\$ 112,639.55



Month Ended: June-30-2020

Louisville Gas and Electric Company

Power Transaction Schedule

Company	Type of Transaction	KWH	Billing Components			Total Charges(\$)
			Demand(\$)	Fuel Charges(\$)	Other Charges(\$)	
Sales						
DYNASTY POWER, INC.	DYNASTYPWR	Economy	1,000	\$ 24.69	\$ 112.26	\$ 136.95
ETC ENDURE	ETC	Economy	1,000	\$ 23.40	\$ 106.42	\$ 129.82
ENERGY IMBALANCE	IMBL	Economy	4,000	\$ 86.87	\$ 394.97	\$ 481.84
MACQUARIECOOK	MACQUARIE	Economy	5,000	\$ 113.10	\$ 514.26	\$ 627.36
MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC.	MISO	Economy	4,000	\$ 94.69	\$ 430.54	\$ 525.23
PJM INTERCONNECTION ASSOCIATION	PJM	Economy	1,000	\$ 24.26	\$ 110.25	\$ 134.51
RAINBOW ENERGY MARKETING CORP	REMC	Economy	1,000	\$ 24.93	\$ 113.37	\$ 138.30
THE ENERGY AUTHORITY	TEA	Economy	2,000	\$ 45.12	\$ 205.17	\$ 250.29
TENNESSEE VALLEY AUTHORITY	TVA	Economy	2,000	\$ 48.21	\$ 219.25	\$ 267.46
KENTUCKY UTILITIES COMPANY	KU	Economy	6,491,000	\$ 138,777.90	\$ 4,942.48	\$ 143,720.38
Total Sales			6,512,000	\$ -	\$ 7,148.97	\$ 146,412.14

Louisville Gas and Electric Company

Power Transaction Schedule

<u>Company</u>	Type of Transaction	KWH	Billing Components			Total Charges(\$)
			Demand(\$)	Fuel Charges(\$)	Other Charges(\$)	
Sales						
DYNASTY POWER, INC.	DYNASTYPWR	Economy	2,000	\$ 41.82	\$ 47.66	\$ 89.48
EDF TRADING	EDF	Economy	2,000	\$ 41.07	\$ 46.82	\$ 87.89
ETC ENDURE	ETC	Economy	7,000	\$ 184.69	\$ 210.52	\$ 395.21
EVERGY KANSAS CENTRAL, INC.	EVGY	Economy	9,000	\$ 226.50	\$ 258.19	\$ 484.69
ENERGY IMBALANCE	IMBL	Economy	54,000	\$ 899.86	\$ 928.63	\$ 1,828.49
MACQUARIECOOK	MACQUARIE	Economy	152,000	\$ 3,512.92	\$ 3,625.19	\$ 7,138.11
MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC.	MISO	Economy	192,000	\$ 4,063.06	\$ 4,192.94	\$ 8,256.00
PJM INTERCONNECTION ASSOCIATION	PJM	Economy	145,000	\$ 3,107.78	\$ 3,207.11	\$ 6,314.89
RAINBOW ENERGY MARKETING CORP	REMC	Economy	18,000	\$ 404.77	\$ 417.71	\$ 822.48
THE ENERGY AUTHORITY	TEA	Economy	2,000	\$ 36.43	\$ 41.52	\$ 77.95
TENNESSEE VALLEY AUTHORITY	TVA	Economy	105,000	\$ 2,564.56	\$ 2,646.53	\$ 5,211.09
KENTUCKY UTILITIES COMPANY	KU	Economy	13,345,000	\$ 289,571.41	\$ 9,401.39	\$ 298,972.80
Total Sales			14,033,000	\$ -	\$ 304,654.87	\$ 329,679.08



Month Ended: September-30-2020

Louisville Gas and Electric Company

Power Transaction Schedule

Company	Type of Transaction	KWH	Billing Components			Total Charges(\$)
			Demand(\$)	Fuel Charges(\$)	Other Charges(\$)	
Sales						
EVERGY KANSAS CENTRAL, INC.	EVGY	Economy	90,000	\$ 1,974.14	\$ 1,205.30	\$ 3,179.44
ENERGY IMBALANCE	IMBL	Economy	227,000	\$ 3,645.21	\$ 2,225.58	\$ 5,870.79
MACQUARIECOOK	MACQUARIE	Economy	113,000	\$ 2,740.88	\$ 1,673.45	\$ 4,414.33
MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC.	MISO	Economy	108,000	\$ 2,076.33	\$ 1,267.70	\$ 3,344.03
PJM INTERCONNECTION ASSOCIATION	PJM	Economy	175,000	\$ 3,291.01	\$ 2,016.90	\$ 5,307.91
RAINBOW ENERGY MARKETING CORP	REMC	Economy	39,000	\$ 858.04	\$ 523.87	\$ 1,381.91
THE ENERGY AUTHORITY	TEA	Economy	12,000	\$ 249.20	\$ 152.16	\$ 401.36
TENNESSEE VALLEY AUTHORITY	TVA	Economy	405,000	\$ 11,148.91	\$ 6,806.96	\$ 17,955.87
KENTUCKY UTILITIES COMPANY	KU	Economy	22,948,000	\$ 477,326.91	\$ 2,259.83	\$ 479,586.74
Total Sales			24,117,000	\$ -	\$ 503,310.63	\$ 18,131.75
						\$ 521,442.38

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>						
DYNASTY POWER, INC.	DYNASTYPWR	Economy		\$ 7,600.23	\$ 5,114.98	\$ 12,715.21
EVERGY KANSAS CENTRAL, INC.	EVGY	Economy		\$ 34,497.47	\$ 23,216.87	\$ 57,714.34
ENERGY IMBALANCE	IMBL	Economy		\$ 4,580.99	\$ 3,083.02	\$ 7,664.01
MACQUARIECOOK	MACQUARIE	Economy		\$ 98,297.29	\$ 66,154.28	\$ 164,451.57
MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC.	MISO	Economy		\$ 120,264.10	\$ 80,938.01	\$ 201,202.11
PJM INTERCONNECTION ASSOCIATION	PJM	Economy		\$ 14,421.43	\$ 9,705.65	\$ 24,127.08
RAINBOW ENERGY MARKETING CORP	REMC	Economy		\$ 4,065.68	\$ 2,736.20	\$ 6,801.88
TENNESSEE VALLEY AUTHORITY	TVA	Economy		\$ 20,230.24	\$ 13,615.00	\$ 33,845.24
KENTUCKY UTILITIES COMPANY	KU	Economy		\$ 1,737,745.43	\$ 5,542.84	\$ 1,743,288.27
Total Sales			\$ -	\$ 2,041,702.86	\$ 210,106.85	\$ 2,251,809.71

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated March 4, 2021**

Case No. 2021-00056

Question No. 14

Responding Witness: Andrea M. Fackler

Q-14. Describe the effect on the FAC calculation of line losses related to:

- a. Intersystem sales when using a third-party transmission system, and
- b. Intersystem sales when not using a third-party transmission system.

A-14.

- a-b. Line losses related to inter-system sales are calculated using a loss factor of 0.5% whether the inter-system sale requires a third party transmission system or not. This practice is consistent with the Commission's June 7, 2013, Amended Order in Case No. 2012-00552.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated March 4, 2021**

Case No. 2021-00056

Question No. 15

Responding Witness: Michael P. Drake

Q-15. Provide a list, in chronological order, showing by unit, any scheduled, actual, and forced outages between for the last six months of the period under review. Provide a key for any information that is abbreviated.

A-15. See attached.

Louisville Gas & Electric Company
 May 2020 through October 2020

Unit and Outage Type (F=Forced; S=Scheduled)		Scheduled		Actual*		HOURS OF DURATION		REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE
		FROM	TO	FROM	TO	Scheduled	Actual*	OR REASON FOR FORCED OUTAGE AS APPROPRIATE
Mill Creek Unit 1 - Coal - 300 MW In-service August 1972	S	6/15/2020 2:13	6/15/2020 20:23	6/15/2020 2:13	6/15/2020 20:23	18:10	18:10	Condenser tube leak
	F			7/9/2020 7:28	7/10/2020 23:05		39:37	Boiler economizer leak repair
	S	9/17/2020 19:59	9/21/2020 5:06	9/17/2020 19:59	9/21/2020 5:06	81:07	81:07	Air heater wash
Mill Creek Unit 2 - Coal - 295 MW In-service July 1974	S	5/8/2020 5:37	5/25/2020 0:01	5/8/2020 5:37	5/25/2020 0:01	402:24	402:24	Coal Feeder Replacement
	S	5/25/2020 0:01	5/26/2020 13:00	5/25/2020 0:01	5/26/2020 13:00	36:59	36:59	Coal Feeder Replacement
	S	10/1/2020 6:00	10/1/2020 14:05	10/1/2020 6:00	10/1/2020 14:05	8:05	8:05	Turbine Generator Turning Gear
Mill Creek Unit 3 - Coal - 394 MW In-service August 1978		No outages > or = 6 hours						
Mill Creek Unit 4 - Coal - 486 MW In-service September 1982	S	10/24/2020 0:00	12/6/2020 0:00	10/23/2020 21:45	11/1/2020 0:00	1032:00	194:15	Planned Outage - boiler maintenance
Trimble County Unit 1 - Coal - 370 MW In-service December 1990 75% ownership share of 511 MW	S	5/9/2020 0:00	5/24/2020 0:00	5/9/2020 0:21	5/22/2020 10:31	360:00	322:10	Turbine Valve Maintenance
	F			6/29/2020 0:56	6/30/2020 15:00		38:04	Boiler waterwall tube leak
	F			7/1/2020 21:15	7/3/2020 9:14		35:59	Condenser Tube Leak
	F			7/16/2020 8:41	7/16/2020 15:04		6:23	Unit Protective Relays
	S	8/22/2020 1:38	8/24/2020 0:00	8/22/2020 1:38	8/24/2020 0:00	46:22	46:22	Feedwater Valve Repair
	S	8/24/2020 0:00	8/24/2020 12:50	8/24/2020 0:00	8/24/2020 12:50	12:50	12:50	Feedwater Valve Repair
Trimble County Unit 2 - Coal - 570 MW In-service January 2011 75% ownership share of 732 MW jointly owned with KU	F			9/2/2020 15:51	9/5/2020 5:08		61:17	Boiler waterwall tube leak
	S	9/19/2020 0:00	10/25/2020 0:00	9/19/2020 3:00	10/26/2020 0:00	864:00	885:00	Planned outage - boiler maintenance
	S	10/26/2020 0:00	10/30/2020 18:37	10/26/2020 0:00	10/30/2020 18:37	114:37	114:37	Main stop valves
	F			10/30/2020 20:04	10/31/2020 5:07		9:03	Feedwater Pump Controls
	S	10/31/2020 16:01	11/4/2020 5:29	10/31/2020 16:01	11/4/2020 5:29	85:28	85:28	Turbine Main Stop Valves - Fine Screens
Cane Run Unit 7 - Gas - 683 MW In-service June 2015 Jointly owned with KU	S	10/31/2020 0:59	11/9/2020 8:56	10/31/2020 0:59	11/9/2020 8:56	223:57	223:57	Exhaust Duct Inspection
E. W. Brown Unit 5 - Gas CT - 130 MW In-service June 2001 Jointly owned with KU	F			5/27/2020 9:15	6/4/2020 18:18		201:03	Starting system
	S	6/11/2020 10:33	6/13/2020 16:42	6/11/2020 10:33	6/13/2020 16:42	54:09	54:09	Fuel Gas System
	S	10/13/2020 1:35	10/16/2020 6:00	10/13/2020 1:35	10/16/2020 6:00	76:25	76:25	Fuel Gas System
	S	10/17/2020 0:00	11/8/2020 0:00	10/16/2020 6:00	10/30/2020 9:00	528:00	339:00	Fuel Gas System
E. W. Brown Unit 6 - Gas CT - 171 MW In-service August 1999 Jointly owned with KU	S	5/1/2020 9:45	5/9/2020 0:01	5/1/2020 9:45	5/9/2020 0:01	182:16	182:16	Combustion Turbine/Generator Bearings
	S	5/9/2020 0:01	5/11/2020 9:11	5/9/2020 0:01	5/11/2020 9:11	57:10	57:10	Combustion Turbine/Generator Bearings
	S	6/11/2020 10:33	6/13/2020 16:42	6/11/2020 10:33	6/13/2020 16:42	54:09	54:09	Fuel Gas System
	S	7/23/2020 6:20	7/23/2020 12:30	7/23/2020 6:20	7/23/2020 12:30	6:10	6:10	Fuel Gas System
	F			7/23/2020 12:30	7/24/2020 13:52		25:22	Station Services Power Distribution
	S	10/12/2020 23:06	10/16/2020 6:00	10/12/2020 23:06	10/16/2020 6:00	78:54	78:54	Fuel Gas System
	S	10/17/2020 0:00	11/1/2020 0:00	10/16/2020 6:00	11/2/2020 0:00	360:00	402:00	Fuel Gas System
E. W. Brown Unit 7 - Gas CT - 171 MW In-service August 1999 Jointly owned with KU	S	6/11/2020 10:33	6/13/2020 16:42	6/11/2020 10:33	6/13/2020 16:42	54:09	54:09	Fuel Gas System
	S	7/13/2020 6:45	7/13/2020 13:55	7/13/2020 6:45	7/13/2020 13:55	7:10	7:10	Fuel Gas System
	S	10/12/2020 23:06	10/16/2020 6:00	10/12/2020 23:06	10/16/2020 6:00	78:54	78:54	Fuel Gas System
	S	10/17/2020 0:00	11/1/2020 0:00	10/16/2020 6:00	11/2/2020 0:00	360:00	402:00	Fuel Gas System

*Actual outage dates and hours of duration include scheduled and forced outages.

Unit and Outage Type (F=Forced; S=Scheduled)	Scheduled		Actual*		HOURS OF DURATION		REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE	
	FROM	TO	FROM	TO	Scheduled	Actual*	OR REASON FOR FORCED OUTAGE AS APPROPRIATE	
Cane Run Unit 11 - Gas CT - 14 MW In-service June 1968	No outages > or = 6 hours							
Paddys Run Unit 11 - Gas CT - 13 MW In-service June 1968	F		8/13/2020 10:40	8/20/2020 8:00		165:20	Diesel Starting System	
	S	9/3/2020 6:18	9/3/2020 12:54	9/3/2020 6:18	9/3/2020 12:54	6:36	6:36	Generator Breaker
	S	10/12/2020 8:07	10/13/2020 12:12	10/12/2020 8:07	10/13/2020 12:12	28:05	28:05	Substation maintenance
Paddys Run Unit 12 - Gas CT - 28 MW In-service July 1968	S	10/14/2020 7:43	10/15/2020 13:29	10/14/2020 7:43	10/15/2020 13:29	29:46	29:46	Substation maintenance
	F		10/30/2020 9:24	11/3/2020 10:43		97:19	Starting Diesel System	
Paddys Run Unit 13 - Gas CT - 175 MW In-service June 2001 Jointly owned with KU	F		7/8/2020 10:55	7/9/2020 8:59		22:04	Compressor Surge Protection System	
Trimble County Unit 5 - Gas CT - 179 MW In-service May 2002 Jointly owned with KU	S	9/10/2020 3:00	9/11/2020 17:04	9/10/2020 3:00	9/11/2020 17:04	38:04	38:04	Oil vapor extractor repair
	S	10/24/2020 4:03	10/25/2020 23:33	10/24/2020 4:03	10/25/2020 23:33	43:30	43:30	Combustion Turbine Compressor Washing
Trimble County Unit 6 - Gas CT - 179 MW In-service May 2002 Jointly owned with KU	S	8/18/2020 8:02	8/18/2020 14:23	8/18/2020 8:02	8/18/2020 14:23	6:21	6:21	Combustion Turbine Compressor Washing
Trimble County Unit 7 - Gas CT - 179 MW In-service June 2004 Jointly owned with KU	S	7/17/2020 20:12	7/19/2020 23:33	7/17/2020 20:12	7/19/2020 23:33	51:21	51:21	Lube oil system repair
Trimble County Unit 8 - Gas CT - 179 MW In-service June 2004 Jointly owned with KU	S	8/30/2020 2:00	8/31/2020 18:15	8/30/2020 2:00	8/31/2020 18:15	40:15	40:15	Combustion Turbine Exhaust Inspection
	S	9/4/2020 7:00	9/4/2020 17:04	9/4/2020 7:00	9/4/2020 17:04	10:04	10:04	Combustion Turbine Compressor Washing
Trimble County Unit 9 - Gas CT - 179 MW In-service July 2004 Jointly owned with KU	S	6/23/2020 5:30	6/24/2020 17:48	6/23/2020 5:30	6/24/2020 17:48	36:18	36:18	Lube oil system repair
	S	9/12/2020 0:00	10/25/2020 0:00	9/12/2020 3:00	10/25/2020 13:08	1032:00	1042:08	Planned unit outage for Combustion Inspection, Generator
	S	10/25/2020 20:11	10/26/2020 18:51	10/25/2020 20:11	10/26/2020 18:51	22:40	22:40	Emissions Controls
Trimble County Unit 10 - Gas CT - 179 MW In-service July 2004 Jointly owned with KU	S	8/20/2020 3:00	8/20/2020 15:13	8/20/2020 3:00	8/20/2020 15:13	12:13	12:13	Compressor Bleed Valves
	S	10/3/2020 0:00	10/18/2020 0:00	10/3/2020 0:38	10/18/2020 12:27	360:00	371:49	Exhaust Stack
Zorn Unit 1 - Gas CT - 16 MW In-service May 1969	F		3/20/2020 10:10	10/6/2020 7:00		4796:50	Generator/Exciter Lockout	
			10/6/2020 7:00	1/1/2021 0:00		2081:00	Status change to MB on 10/6 due to Generator/Exciter Lockout	

*Actual outage dates and hours of duration include scheduled and forced outages.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated March 4, 2021**

Case No. 2021-00056

Question No. 16

Responding Witness: Stuart A. Wilson

Q-16. For the last six months of the period under review, provide the monthly capacity factor at which each generating unit operated.

A-16.

	Capacity Factor (%) ^{1,2}					
	May 2020	Jun 2020	Jul 2020	Aug 2020	Sep 2020	Oct 2020
Brown 5	0.0	2.0	11.7	0.7	0.0	0.9
Brown 6	2.5	2.7	12.5	3.2	0.0	22.5
Brown 7	1.7	6.7	15.8	9.4	3.1	0.0
Brown Solar	23.7	26.4	27.5	23.7	21.9	15.8
Cane Run 7	88.1	94.2	96.0	94.5	90.6	92.1
Mill Creek 1	63.1	59.1	66.0	64.0	57.7	68.4
Mill Creek 2	0.0	0.0	0.0	0.0	0.0	0.0
Mill Creek 3	0.0	37.0	75.9	71.6	66.0	66.4
Mill Creek 4	64.2	67.5	70.5	68.4	65.4	47.7
Ohio Falls 1	8.4	28.6	33.5	36.9	14.9	3.3
Ohio Falls 2	12.3	37.9	30.2	50.7	23.8	0.0
Ohio Falls 3	13.2	49.9	6.9	5.8	9.6	4.5
Ohio Falls 4	13.1	28.7	0.0	0.0	30.3	7.8
Ohio Falls 5	13.0	66.7	59.0	36.5	56.6	18.2
Ohio Falls 6	14.4	63.9	8.3	29.7	66.0	75.6
Ohio Falls 7	14.8	68.5	74.5	58.5	50.8	48.4
Ohio Falls 8	14.5	54.8	86.3	63.7	63.1	62.0
Paddy's Run 11	0.0	0.0	0.0	0.0	0.0	0.0
Paddy's Run 12	0.0	0.0	0.0	0.0	0.0	0.0
Paddy's Run 13	1.7	3.2	9.0	1.6	1.4	1.0
Trimble County 1 ³	46.2	81.1	83.6	81.7	87.1	88.5
Trimble County 2 ³	85.4	86.9	89.4	87.2	41.8	0.0
Trimble County 5	5.2	19.4	32.0	11.5	5.1	2.2
Trimble County 6	1.3	2.9	10.7	1.1	1.6	0.6
Trimble County 7	1.5	9.0	11.8	4.4	6.2	3.4
Trimble County 8	0.2	5.7	12.8	1.7	1.2	1.3
Trimble County 9	0.6	10.2	26.2	11.9	5.8	3.1
Trimble County 10	0.0	1.2	3.0	0.7	0.5	0.0
Zorn	0.0	0.0	0.0	0.0	0.0	0.0

¹ The North American Electric Reliability Council Generation Availability Data System defines capacity factor as the net MWh produced divided by the product of the hours in the period and the unit rating.

² Jointly owned units are shown for both LG&E and KU and include Brown 5-7, Brown Solar, Cane Run 7, Paddy's Run 13, Trimble County 2, and Trimble County 5-10.

³ Trimble County 1 & 2 values reflect 100% ownership of the units among KU, LG&E, IMPA, and IMEA.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated March 4, 2021**

Case No. 2021-00056

Question No. 17

Responding Witness: Michael P. Drake

Q-17.

- a. For the last six months of the period under review, explain whether LG&E made any changes to its maintenance and operation practices, or completed any specific generation efficiency improvements that affect fuel usage at LG&E's generation facilities.
- b. Describe the impact of these changes on LG&E's fuel usage.

A-17.

- a-b. There have been no maintenance or operation practice changes that affect fuel usage during the period under review. LG&E strives to maintain unit efficiency through routine cyclic planned outage maintenance. This maintenance work continues to focus on reestablishing expected turbine efficiency through continuous monitoring of all plant systems during operation. LG&E contracts Black and Veatch to provide this monitoring on larger units to identify trends which indicate a potential efficiency loss of any system component. Black and Veatch sends notification to the generating stations which track the potential issues through resolution. In evaluating potential major component projects or replacements that may impact efficiency, LG&E must balance any potential efficiency benefit associated with the project against both costs and potential implications under the Clean Air Act. LG&E has not realized any efficiency improvements through major component projects during this period.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated March 4, 2021**

Case No. 2021-00056

Question No. 18

Responding Witness: Delbert Billiter / Charles R. Schram

- Q-18. State whether LG&E is aware of any violations of its policies and procedures regarding fuel procurement that occurred prior to or during the last six months of the period under review.
- A-18. LG&E is not aware of any violations of its policies and procedures regarding fuel procurement that occurred prior to or during the period under review.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated March 4, 2021**

Case No. 2021-00056

Question No. 19

Responding Witness: Andrea M. Fackler

Q-19. State whether LG&E is aware of any violations of 807 KAR 5:056 that occurred prior to or during the last six months of the period under review.

A-19. LG&E is not aware of any violations of 807 KAR 5:056 that occurred prior to or during the period under review.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated March 4, 2021**

Case No. 2021-00056

Question No. 20

Responding Witness: Andrea M. Fackler

- Q-20. State whether all fuel contracts related to commodity and transportation have been filed with the Commission. If any contracts have not been filed, explain why they have not been filed and provide a copy.
- A-20. For the period under review, all fuel contracts related to commodity and/or transportation have been filed with the Commission.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated March 4, 2021**

Case No. 2021-00056

Question No. 21

Responding Witness: Delbert Billiter

Q-21. For each generating station, state the methods of coal delivery currently available.

A-21. Mill Creek – Rail and Barge
Trimble County – Barge

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated March 4, 2021**

Case No. 2021-00056

Question No. 22

Responding Witness: Andrea M. Fackler

- Q-22. 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-22. After reviewing actual FAC costs for the base period November 2018 through October 2020, LG&E recommends that the per unit fuel cost for the October 2020 expense month be used as the base period. Page 1 of the attached shows that the per unit fuel cost for October 2020 was \$0.02348/kWh (see column (e)). On Page 2 of the attached, LG&E estimates that the average per unit fuel cost for the calendar year 2021 will be \$0.02340/kWh and the average per unit fuel cost for the calendar year 2022 will be \$0.02346/kWh. The actual per unit fuel cost for October 2020 of \$0.02348/kWh approximates the \$0.02343/kWh weighted average of the projected per unit fuel cost for 2021 and 2022.

LG&E recommends the use of the actual per unit fuel cost for October 2020 because this is the actual per unit fuel cost from the two-year expense period under review that is closest to the weighted average projected per unit fuel cost for the next two-year period. This methodology is consistent with what has been used and accepted in previous two-year cases, and therefore LG&E believes October 2020 is the appropriate month to use as the base FAC for the next two-year period.

LG&E determined the projected $F(m) / S(m)$ results using:

- projected coal, oil, and natural gas expenses;
- projected purchased power expenses and 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 November 2018 through October 2020

Actual*							
	(a)	(b)	(c)	(d)	(e)	(f)	(g)
Line No.	Expense Month	Billing Month	Fuel Expense	kWh Sales	Expense Month (\$/kWh) (Col. c / d)	FAC Base (\$/kWh)	Billing Month FAC Factor (Col. e - f)
(1)	Nov-18	Jan-19	\$ 22,352,235	878,864,721	\$ 0.02543	\$ 0.02428	\$ 0.00115
(2)	Dec-18	Feb-19	\$ 23,659,463	930,058,594	\$ 0.02544	\$ 0.02428	\$ 0.00116
(3)	Jan-19	Mar-19	\$ 25,381,792	991,089,584	\$ 0.02561	\$ 0.02428	\$ 0.00133
(4)	Feb-19	Apr-19	\$ 21,758,513	846,080,687	\$ 0.02572	\$ 0.02428	\$ 0.00144
(5)	Mar-19	May-19	\$ 21,742,488	887,747,996	\$ 0.02449	\$ 0.02428	\$ 0.00021
(6)	Apr-19	Jun-19	\$ 19,104,226	808,763,036	\$ 0.02362	\$ 0.02428	\$ (0.00066)
(7)	May-19	Jul-19	\$ 23,509,788	974,735,890	\$ 0.02412	\$ 0.02428	\$ (0.00016)
(8)	Jun-19	Aug-19	\$ 25,038,843	1,020,843,516	\$ 0.02453	\$ 0.02428	\$ 0.00025
(9)	Jul-19	Sep-19	\$ 29,317,901	1,256,088,896	\$ 0.02334	\$ 0.02428	\$ (0.00094)
(10)	Aug-19	Oct-19	\$ 27,605,341	1,212,230,601	\$ 0.02277	\$ 0.02428	\$ (0.00151)
(11)	Sep-19	Nov-19	\$ 25,503,428	1,123,398,570	\$ 0.02270	\$ 0.02428	\$ (0.00158)
(12)	Oct-19	Dec-19	\$ 19,996,584	866,890,718	\$ 0.02307	\$ 0.02428	\$ (0.00121)
(13)	Nov-19	Jan-20	\$ 19,401,265	850,548,130	\$ 0.02281	\$ 0.02428	\$ (0.00147)
(14)	Dec-19	Feb-20	\$ 22,720,007	897,077,978	\$ 0.02533	\$ 0.02428	\$ 0.00105
(15)	Jan-20	Mar-20	\$ 22,941,426	918,006,998	\$ 0.02499	\$ 0.02428	\$ 0.00071
(16)	Feb-20	Apr-20	\$ 21,300,558	859,852,169	\$ 0.02477	\$ 0.02428	\$ 0.00049
(17)	Mar-20	May-20	\$ 19,827,908	817,096,203	\$ 0.02427	\$ 0.02428	\$ (0.00001)
(18)	Apr-20	Jun-20	\$ 17,439,671	720,957,358	\$ 0.02419	\$ 0.02428	\$ (0.00009)
(19)	May-20	Jul-20	\$ 19,060,393	823,907,665	\$ 0.02313	\$ 0.02428	\$ (0.00115)
(20)	Jun-20	Aug-20	\$ 22,944,609	1,044,154,975	\$ 0.02197	\$ 0.02428	\$ (0.00231)
(21)	Jul-20	Sep-20	\$ 28,719,012	1,263,367,333	\$ 0.02273	\$ 0.02428	\$ (0.00155)
(22)	Aug-20	Oct-20	\$ 25,657,562	1,107,394,615	\$ 0.02317	\$ 0.02428	\$ (0.00111)
(23)	Sep-20	Nov-20	\$ 20,548,336	929,616,510	\$ 0.02210	\$ 0.02428	\$ (0.00218)
(24)	Oct-20	Dec-20	\$ 18,803,566	800,761,469	\$ 0.02348	\$ 0.02428	\$ (0.00080)
(25)	Overall Average		\$ 22,680,621	951,230,592	\$ 0.02384	\$ 0.02428	\$ (0.00044)
(26)	Average for the Last Twelve Months		\$ 21,613,693	919,395,117	\$ 0.02351	\$ 0.02428	\$ (0.00077)

*Source: Form A Monthly Filings to the Kentucky Public Service Commission

Louisville Gas and Electric Company
Forecasted Retail Fuel Adjustment Clause
Fuel Cost per kWh
2021 and 2022

Forecast					
	(a)	(b)	(c)	(d)	(e)
Line No.	Expense Month	Billing Month	Forecasted Fuel Expense	Forecasted kWh Sales	Forecasted Expense Month (\$/kWh) (Col. c / d)
(1)	Jan-21	Mar-21	\$ 23,095,282	931,933,227	\$ 0.02478
(2)	Feb-21	Apr-21	\$ 20,320,895	828,439,514	\$ 0.02453
(3)	Mar-21	May-21	\$ 19,394,341	834,983,730	\$ 0.02323
(4)	Apr-21	Jun-21	\$ 18,167,606	774,384,283	\$ 0.02346
(5)	May-21	Jul-21	\$ 20,617,491	905,952,559	\$ 0.02276
(6)	Jun-21	Aug-21	\$ 23,500,608	1,037,081,262	\$ 0.02266
(7)	Jul-21	Sep-21	\$ 27,094,290	1,183,191,856	\$ 0.02290
(8)	Aug-21	Oct-21	\$ 26,962,517	1,171,248,461	\$ 0.02302
(9)	Sep-21	Nov-21	\$ 22,467,875	971,625,234	\$ 0.02312
(10)	Oct-21	Dec-21	\$ 19,586,137	852,723,481	\$ 0.02297
(11)	Nov-21	Jan-22	\$ 18,993,166	803,618,190	\$ 0.02363
(12)	Dec-21	Feb-22	\$ 21,598,585	892,962,529	\$ 0.02419
(13)	Jan-22	Mar-22	\$ 23,186,483	947,330,373	\$ 0.02448
(14)	Feb-22	Apr-22	\$ 20,861,462	841,905,239	\$ 0.02478
(15)	Mar-22	May-22	\$ 20,322,453	847,487,691	\$ 0.02398
(16)	Apr-22	Jun-22	\$ 18,332,401	785,090,800	\$ 0.02335
(17)	May-22	Jul-22	\$ 21,068,386	916,541,466	\$ 0.02299
(18)	Jun-22	Aug-22	\$ 23,825,190	1,046,091,652	\$ 0.02278
(19)	Jul-22	Sep-22	\$ 27,255,438	1,192,082,601	\$ 0.02286
(20)	Aug-22	Oct-22	\$ 27,075,296	1,178,504,869	\$ 0.02297
(21)	Sep-22	Nov-22	\$ 22,543,925	978,460,823	\$ 0.02304
(22)	Oct-22	Dec-22	\$ 19,872,817	858,835,502	\$ 0.02314
(23)	Nov-22	Jan-23	\$ 18,610,481	808,304,143	\$ 0.02302
(24)	Dec-22	Feb-23	\$ 22,142,399	900,281,605	\$ 0.02459
(25)	Overall Average		\$ 21,953,980	937,044,212	\$ 0.02343
(26)	2021 Average		\$ 21,816,566	932,345,360	\$ 0.02340
(27)	2022 Average		\$ 22,091,394	941,743,064	\$ 0.02346

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated March 4, 2021**

Case No. 2021-00056

Question No. 23

Responding Witness: Andrea M. Fackler

- Q-23. 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-23. Attached is a copy of the Fuel Cost Schedule (Form A, Page 2) for the expense period of October 2020, which shows the component of the proposed F(b) as defined by 807 KAR 5:056.

As explained in the response to Question No. 22, LG&E reviewed the per-unit fuel cost for each month during the November 2018 through October 2020 expense 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: October 2020

<u>(A) Company Generation</u>		
Coal Burned	(+)	\$ 16,839,709 (1)
Oil Burned	(+)	-
Gas Burned	(+)	3,004,184 (1)
Fuel (assigned cost during Forced Outage)	(+)	16,966
Fuel (substitute cost for Forced Outage)	(-)	19,354
SUB-TOTAL		<u>\$ 19,841,505</u>
<u>(B) Purchases</u>		
Net energy cost - economy purchases	(+)	\$ 896,833
Identifiable fuel cost - other purchases	(+)	-
Identifiable fuel cost (substitute for Forced Outage)	(-)	-
Less Purchases Above Highest Cost Units	(-)	-
Internal Economy	(+)	344,647
Internal Replacement	(+)	84,517
SUB-TOTAL		<u>\$ 1,325,997</u>
<u>(C) Inter-System Sales</u>		
Including Interchange-out	(+)	\$ 303,957
Internal Economy	(+)	1,567,194
Internal Replacement	(+)	170,551
Dollars Assigned to Inter-System Sales Losses	(+)	1,520
SUB-TOTAL		<u>\$ 2,043,222</u>
<u>(D) Over or (Under) Recovery</u>		
From Page 4, Line 13		<u>\$ 317,185</u>
<u>(E) CSR Customers Buy-Through Adjustment</u>		
		<u>\$ 3,529</u>
TOTAL FUEL RECOVERY (A+B-C-D-E) =		<u><u>\$ 18,803,566</u></u>

Notes: (1) Reflects exclusion of IMEA/IMPA portion of Trimble County fuel cost with recognition of 0.5% transmission losses per Commission's Order in Case No. 2012-00553.

Coal burned = \$3,352
Gas burned = (\$16)

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated March 4, 2021**

Case No. 2021-00056

Question No. 24

Responding Witness: Andrea M. Fackler

- Q-24. 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. Separately provide the amounts of power purchases used in the calculation of sales provided.
 - b. Separately provide the amounts of intersystem power sales used in the calculation of sales provided.

A-24.

- a-b. Attached is a copy of the Sales Schedule (Form A, Page 3) for the base period of October 2020, which shows the component of the proposed S(b) as defined by 807 KAR 5:056.

As explained in the response to Question No. 22, LG&E reviewed the per unit fuel cost for each month during the November 2018 through October 2020 expense periods 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: October 2020

(A) Generation (Net)		(+)	896,684,849
Purchases including interchange-in		(+)	20,667,000
Internal Economy		(+)	17,614,000
Internal Replacement		(+)	3,111,000
SUB-TOTAL			<u>938,076,849</u>
(B) Inter-system Sales including interchange-out		(+)	13,375,000
Internal Economy		(+)	76,585,000
Internal Replacement		(+)	8,216,000
System Losses	(839,900,849 KWH times 4.66%)	(+)	39,139,380
SUB-TOTAL			<u>137,315,380</u>
TOTAL SALES (A-B)			<u><u>800,761,469</u></u>

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated March 4, 2021**

Case No. 2021-00056

Question No. 25

Responding Witness: Andrea M. Fackler

Q-25. 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-25.

Current Base Fuel Rate	\$0.02428
Proposed Base Fuel Rate	<u>\$0.02348</u>
Decrease in Base Rates	(\$0.00080)

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated March 4, 2021**

Case No. 2021-00056

Question No. 26

Responding Witness: Andrea M. Fackler

- Q-26. 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-26. See attached present and proposed rates that LG&E seeks approval for effective on a services rendered basis upon the Commission's issuance of a Final Order in this proceeding. The present and proposed rates are subject to change pending the Commission's issuance of a Final Order in LG&E's base rate proceeding (Case No. 2020-00350).

Tariff Sheet	Tariff	Current Base Rate	Current Base Fuel Rate	Current Base Rate Excluding Fuel	Proposed Base Fuel Rate	Proposed Base Rate Including Fuel	% Decrease in Base Rate
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
				(3) - (4)		(5) + (6)	((7) - (3)) / (3)
5	RS	\$ 0.09278	\$ 0.02428	\$ 0.06850	\$ 0.02348	\$ 0.09198	-0.86%
6	RTOD-Energy						
	<i>On-Peak</i>	\$ 0.20508	\$ 0.02428	\$ 0.18080	\$ 0.02348	\$ 0.20428	-0.39%
	<i>Off-Peak</i>	\$ 0.07080	\$ 0.02428	\$ 0.04652	\$ 0.02348	\$ 0.07000	-1.13%
7	RTOD - Demand	\$ 0.05301	\$ 0.02428	\$ 0.02873	\$ 0.02348	\$ 0.05221	-1.51%
9	VFD	\$ 0.09278	\$ 0.02428	\$ 0.06850	\$ 0.02348	\$ 0.09198	-0.86%
10	GS	\$ 0.10530	\$ 0.02428	\$ 0.08102	\$ 0.02348	\$ 0.10450	-0.76%
15	PS						
	<i>Secondary</i>	\$ 0.03441	\$ 0.02428	\$ 0.01013	\$ 0.02348	\$ 0.03361	-2.32%
	<i>Primary</i>	\$ 0.03359	\$ 0.02428	\$ 0.00931	\$ 0.02348	\$ 0.03279	-2.38%
20	TODS	\$ 0.02813	\$ 0.02428	\$ 0.00385	\$ 0.02348	\$ 0.02733	-2.84%
22	TODP	\$ 0.02744	\$ 0.02428	\$ 0.00316	\$ 0.02348	\$ 0.02664	-2.92%
25	RTS	\$ 0.02705	\$ 0.02428	\$ 0.00277	\$ 0.02348	\$ 0.02625	-2.96%
30	FLS						
	<i>Primary</i>	\$ 0.02744	\$ 0.02428	\$ 0.00316	\$ 0.02348	\$ 0.02664	-2.92%
	<i>Transmission</i>	\$ 0.02705	\$ 0.02428	\$ 0.00277	\$ 0.02348	\$ 0.02625	-2.96%
37	LE	\$ 0.07041	\$ 0.02428	\$ 0.04613	\$ 0.02348	\$ 0.06961	-1.14%
38	TE	\$ 0.08404	\$ 0.02428	\$ 0.05976	\$ 0.02348	\$ 0.08324	-0.95%
81	OSL						
	<i>Secondary</i>	\$ 0.03441	\$ 0.02428	\$ 0.01013	\$ 0.02348	\$ 0.03361	-2.32%
	<i>Primary</i>	\$ 0.03359	\$ 0.02428	\$ 0.00931	\$ 0.02348	\$ 0.03279	-2.38%

Tariff Sheet	Tariff	Service Type	Bulb Type	Rate Code	Fixture Type	kW Per Light	kWh per Year*	Fuel Factor Decrease \$/kWh**	Annual Decrease	Monthly Decrease	Monthly Charge		
											Existing Monthly Fixture Charge	Proposed Monthly Fixture Charge	% Change
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
							(7) * 4,000	\$ (0.00080)	(8) * (9)	(10) / 12 mos.		(11) + (12)	(11) / (12)
35	LS	Overhead Service	Light Emitting Diode (LED)										
			490 Cobra Head			0.071	284	\$ (0.00080)	\$ (0.23)	\$ (0.02)	\$ 9.37	\$ 9.35	-0.20%
			491 Cobra Head			0.122	488	\$ (0.00080)	\$ (0.39)	\$ (0.03)	\$ 11.36	\$ 11.33	-0.29%
			492 Cobra Head			0.194	776	\$ (0.00080)	\$ (0.62)	\$ (0.05)	\$ 13.30	\$ 13.25	-0.39%
			493 Open Bottom			0.048	192	\$ (0.00080)	\$ (0.15)	\$ (0.01)	\$ 8.52	\$ 8.51	-0.15%
			LC1 Cobra Head			0.022	88	\$ (0.00080)	\$ (0.07)	\$ (0.01)	\$ 8.13	\$ 8.12	-0.07%
			LF1 Directional (Flood)			0.030	120	\$ (0.00080)	\$ (0.10)	\$ (0.01)	\$ 10.86	\$ 10.85	-0.07%
			LF2 Directional (Flood)			0.090	360	\$ (0.00080)	\$ (0.29)	\$ (0.02)	\$ 12.65	\$ 12.63	-0.19%
			LF3 Directional (Flood)			0.175	700	\$ (0.00080)	\$ (0.56)	\$ (0.05)	\$ 14.98	\$ 14.93	-0.31%
			LF4 Directional (Flood)			0.297	1,188	\$ (0.00080)	\$ (0.95)	\$ (0.08)	\$ 21.42	\$ 21.34	-0.37%
35.1	LS	Underground Service	Light Emitting Diode (LED)										
			LC2 Cobra Head			0.022	88	\$ (0.00080)	\$ (0.07)	\$ (0.01)	\$ 3.82	\$ 3.81	-0.15%
			496 Cobra Head			0.071	284	\$ (0.00080)	\$ (0.23)	\$ (0.02)	\$ 5.05	\$ 5.03	-0.37%
			497 Cobra Head			0.122	488	\$ (0.00080)	\$ (0.39)	\$ (0.03)	\$ 7.04	\$ 7.01	-0.46%
			498 Cobra Head			0.194	776	\$ (0.00080)	\$ (0.62)	\$ (0.05)	\$ 10.16	\$ 10.11	-0.51%
			499 Colonial, 4-Sided			0.044	176	\$ (0.00080)	\$ (0.14)	\$ (0.01)	\$ 7.04	\$ 7.03	-0.17%
			LA1 Acorn			0.040	160	\$ (0.00080)	\$ (0.13)	\$ (0.01)	\$ 6.54	\$ 6.53	-0.16%
			LN1 Contemporary			0.057	228	\$ (0.00080)	\$ (0.18)	\$ (0.02)	\$ 6.55	\$ 6.53	-0.23%
			LN2 Contemporary			0.087	348	\$ (0.00080)	\$ (0.28)	\$ (0.02)	\$ 7.65	\$ 7.63	-0.30%
			LN3 Contemporary			0.143	572	\$ (0.00080)	\$ (0.46)	\$ (0.04)	\$ 9.34	\$ 9.30	-0.41%
			LN4 Contemporary			0.220	880	\$ (0.00080)	\$ (0.70)	\$ (0.06)	\$ 13.55	\$ 13.49	-0.43%
			LN5 Contemporary			0.380	1,520	\$ (0.00080)	\$ (1.22)	\$ (0.10)	\$ 20.49	\$ 20.39	-0.49%
			LF5 Directional (Flood)			0.030	120	\$ (0.00080)	\$ (0.10)	\$ (0.01)	\$ 7.61	\$ 7.60	-0.11%
			LF6 Directional (Flood)			0.096	384	\$ (0.00080)	\$ (0.31)	\$ (0.03)	\$ 9.40	\$ 9.37	-0.27%
			LF7 Directional (Flood)			0.175	700	\$ (0.00080)	\$ (0.56)	\$ (0.05)	\$ 11.73	\$ 11.68	-0.40%
			LF8 Directional (Flood)			0.297	1,188	\$ (0.00080)	\$ (0.95)	\$ (0.08)	\$ 18.17	\$ 18.09	-0.44%
35.2	LS	Rate (continued)	High Pressure Sodium										
			427 London			0.083	332	\$ (0.00080)	\$ (0.27)	\$ (0.02)	\$ 38.18	\$ 38.16	-0.06%
			429 London			0.117	468	\$ (0.00080)	\$ (0.37)	\$ (0.03)	\$ 38.15	\$ 38.12	-0.08%
			431 Victorian			0.083	332	\$ (0.00080)	\$ (0.27)	\$ (0.02)	\$ 35.87	\$ 35.85	-0.06%
			433 Victorian			0.177	708	\$ (0.00080)	\$ (0.57)	\$ (0.05)	\$ 40.25	\$ 40.20	-0.12%

* Per KU's Tariff Sheet No. 67, kWh consumed by lighting units are based on 4,000 hours of use per year.

**	Current Fuel Base	Proposed Fuel Base	Difference
	\$ 0.02428	\$ 0.02348	\$ (0.00080)

Tariff Sheet	Tariff	Service Type	Bulb Type	Rate Code	Fixture Type	kW Per Light	kWh per Year*	Fuel Factor Decrease \$/kWh**	Annual Decrease	Monthly Decrease	Monthly Charge								
											Existing Monthly Fixture Charge	Proposed Monthly Fixture Charge	% Change	Existing Monthly Fixture & Pole Charge	Proposed Monthly Fixture & Pole Charge	% Change	Existing Monthly Fixture & Ornamental Pole Charge	Proposed Monthly Fixture & Ornamental Pole Charge	% Change
(1)	(2)	(3)	(4)	(5)	(6)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
							(8) * 4,000	\$/ (0.00080)	(9) * (10)	(11) / 12 mo.	(12) * (13)		(12) / (13)	(12) * (16)		(12) / (16)	(12) * (19)		(12) / (19)
36	RLS	Overhead Service																	
			Mercury Vapor																
			252	Cobra/Open Bottom		0.210	840	\$ (0.00080)	\$ (0.67)	\$ (0.06)	\$ 10.92	\$ 10.86	-0.51%						
			203	Cobra Head		0.298	1,192	\$ (0.00080)	\$ (0.95)	\$ (0.08)	\$ 12.37	\$ 12.29	-0.64%						
			204	Cobra Head		0.462	1,848	\$ (0.00080)	\$ (1.48)	\$ (0.12)	\$ 15.14	\$ 15.02	-0.81%						
			209	Cobra Head		1.180	4,720	\$ (0.00080)	\$ (3.78)	\$ (0.31)	\$ 30.58	\$ 30.27	-1.03%						
			207	Directional		0.462	1,848	\$ (0.00080)	\$ (1.48)	\$ (0.12)	\$ 17.22	\$ 17.10	-0.72%						
			210	Directional		1.180	4,720	\$ (0.00080)	\$ (3.78)	\$ (0.31)	\$ 31.80	\$ 31.49	-0.99%						
			201	Open Bottom		0.100	400	\$ (0.00080)	\$ (0.32)	\$ (0.03)	\$ 9.48	\$ 9.45	-0.28%						
				Metal Halide															
			470/471	Directional		0.150	600	\$ (0.00080)	\$ (0.48)	\$ (0.04)	\$ 14.97	\$ 14.93	-0.27%	\$ 17.66	\$ 17.62	-0.23%	\$ 30.45	\$ 30.36	-0.31%
			474/475	Directional		0.350	1,400	\$ (0.00080)	\$ (1.12)	\$ (0.09)	\$ 22.96	\$ 22.87	-0.41%	\$ 46.39	\$ 46.10	-0.62%			
			476/477	Directional		1.080	4,320	\$ (0.00080)	\$ (3.46)	\$ (0.29)	\$ 43.18	\$ 42.89	-0.67%						
			473	Directional		0.350	1,400	\$ (0.00080)	\$ (1.12)	\$ (0.09)	\$ 20.66	\$ 20.57	-0.45%						
36.1	RLS	Overhead Service (continued)																	
			High Pressure Sodium																
			452	Cobra Head		0.181	724	\$ (0.00080)	\$ (0.58)	\$ (0.05)	\$ 14.49	\$ 14.44	-0.33%						
			453	Cobra Head		0.294	1,176	\$ (0.00080)	\$ (0.94)	\$ (0.08)	\$ 16.87	\$ 16.79	-0.46%						
			454	Cobra Head		0.471	1,884	\$ (0.00080)	\$ (1.51)	\$ (0.13)	\$ 19.22	\$ 19.09	-0.65%						
			455	Directional		0.181	724	\$ (0.00080)	\$ (0.58)	\$ (0.05)	\$ 15.45	\$ 15.40	-0.31%						
			456	Directional		0.471	1,884	\$ (0.00080)	\$ (1.51)	\$ (0.13)	\$ 20.05	\$ 19.92	-0.63%						
			457	Open Bottom		0.117	468	\$ (0.00080)	\$ (0.37)	\$ (0.03)	\$ 12.87	\$ 12.84	-0.24%						
				Underground Service															
			High Pressure Sodium																
			275	Cobra/Contemporary		0.181	724	\$ (0.00080)	\$ (0.58)	\$ (0.05)							\$ 27.73	\$ 27.68	-0.17%
			266	Cobra/Contemporary		0.294	1,176	\$ (0.00080)	\$ (0.94)	\$ (0.08)							\$ 30.42	\$ 30.34	-0.26%
			267	Cobra/Contemporary		0.471	1,884	\$ (0.00080)	\$ (1.51)	\$ (0.13)							\$ 34.69	\$ 34.56	-0.36%
			276	Coach/Acorn		0.083	332	\$ (0.00080)	\$ (0.27)	\$ (0.02)							\$ 16.85	\$ 16.83	-0.13%
			274	Coach/Acorn		0.117	468	\$ (0.00080)	\$ (0.37)	\$ (0.03)							\$ 20.01	\$ 19.98	-0.16%
			277	Coach/Acorn		0.181	724	\$ (0.00080)	\$ (0.58)	\$ (0.05)							\$ 24.43	\$ 24.38	-0.20%
			279/278	Contemporary		1.000	4,000	\$ (0.00080)	\$ (3.20)	\$ (0.27)	\$ 47.43	\$ 47.16	-0.56%				\$ 78.64	\$ 78.37	-0.34%
			417	Acorn, Bronze		0.117	468	\$ (0.00080)	\$ (0.37)	\$ (0.03)							\$ 27.00	\$ 26.97	-0.12%
			419	Acorn, Bronze		0.180	720	\$ (0.00080)	\$ (0.58)	\$ (0.05)							\$ 28.21	\$ 28.16	-0.17%
			280	Victorian		0.083	332	\$ (0.00080)	\$ (0.27)	\$ (0.02)	\$ 22.86	\$ 22.84	-0.10%						
			281	Victorian		0.117	468	\$ (0.00080)	\$ (0.37)	\$ (0.03)	\$ 23.30	\$ 23.27	-0.13%						
			282	London		0.083	332	\$ (0.00080)	\$ (0.27)	\$ (0.02)	\$ 22.47	\$ 22.45	-0.10%						
			283	London		0.117	468	\$ (0.00080)	\$ (0.37)	\$ (0.03)	\$ 23.81	\$ 23.78	-0.13%						
			426	London		0.083	332	\$ (0.00080)	\$ (0.27)	\$ (0.02)							\$ 36.16	\$ 36.14	-0.06%
			428	London		0.117	468	\$ (0.00080)	\$ (0.37)	\$ (0.03)							\$ 37.04	\$ 37.01	-0.08%
			430	Victorian		0.083	332	\$ (0.00080)	\$ (0.27)	\$ (0.02)							\$ 35.18	\$ 35.16	-0.06%
			432	Victorian		0.117	468	\$ (0.00080)	\$ (0.37)	\$ (0.03)							\$ 37.29	\$ 37.26	-0.08%
36.2	RLS	Underground Service (continued)																	
			High Pressure Sodium (continued)																
			412	Colonial, 4-Sided		0.083	332	\$ (0.00080)	\$ (0.27)	\$ (0.02)							\$ 22.35	\$ 22.33	-0.10%
			413	Colonial, 4-Sided		0.117	468	\$ (0.00080)	\$ (0.37)	\$ (0.03)							\$ 23.05	\$ 23.02	-0.14%
			444	Colonial, 4-Sided		0.181	724	\$ (0.00080)	\$ (0.58)	\$ (0.05)							\$ 22.96	\$ 22.91	-0.21%
			415	Acorn		0.083	332	\$ (0.00080)	\$ (0.27)	\$ (0.02)							\$ 22.75	\$ 22.73	-0.10%
			416	Acorn		0.117	468	\$ (0.00080)	\$ (0.37)	\$ (0.03)							\$ 25.18	\$ 25.15	-0.12%
			445	Acorn		0.181	724	\$ (0.00080)	\$ (0.58)	\$ (0.05)							\$ 24.96	\$ 24.91	-0.19%
			400	Dark Sky		0.060	240	\$ (0.00080)	\$ (0.19)	\$ (0.02)							\$ 26.57	\$ 26.55	-0.06%
			401	Dark Sky		0.117	468	\$ (0.00080)	\$ (0.37)	\$ (0.03)							\$ 26.95	\$ 26.92	-0.12%
			423	Cobra Head		0.181	724	\$ (0.00080)	\$ (0.58)	\$ (0.05)							\$ 29.26	\$ 29.21	-0.16%
			424	Cobra Head		0.294	1,176	\$ (0.00080)	\$ (0.94)	\$ (0.08)							\$ 31.58	\$ 31.50	-0.25%
			425	Cobra Head		0.471	1,884	\$ (0.00080)	\$ (1.51)	\$ (0.13)							\$ 37.45	\$ 37.32	-0.34%
			439/420	Contemporary		0.181	724	\$ (0.00080)	\$ (0.58)	\$ (0.05)	\$ 18.13	\$ 18.08	-0.27%				\$ 32.97	\$ 32.92	-0.15%
			440/421	Contemporary		0.294	1,176	\$ (0.00080)	\$ (0.94)	\$ (0.08)	\$ 20.09	\$ 20.01	-0.39%				\$ 35.56	\$ 35.48	-0.22%
			441/422	Contemporary		0.471	1,884	\$ (0.00080)	\$ (1.51)	\$ (0.13)	\$ 24.17	\$ 24.04	-0.52%				\$ 41.26	\$ 41.13	-0.30%
				Mercury Vapor															
			318	Cobra Head		0.210	840	\$ (0.00080)	\$ (0.67)	\$ (0.06)							\$ 18.97	\$ 18.91	-0.30%
			314	Cobra Head		0.298	1,192	\$ (0.00080)	\$ (0.95)	\$ (0.08)							\$ 21.36	\$ 21.28	-0.37%
			315	Cobra Head		0.462	1,848	\$ (0.00080)	\$ (1.48)	\$ (0.12)							\$ 24.84	\$ 24.72	-0.50%
			206	Coach		0.100	400	\$ (0.00080)	\$ (0.32)	\$ (0.03)							\$ 13.92	\$ 13.89	-0.19%
			208	Coach		0.210	840	\$ (0.00080)	\$ (0.67)	\$ (0.06)							\$ 15.71	\$ 15.65	-0.36%
				Metal Halide															
			479/480	Contemporary		0.150	600	\$ (0.00080)	\$ (0.48)	\$ (0.04)	\$ 16.59	\$ 16.55	-0.24%				\$ 27.13	\$ 27.09	-0.15%
			483/484	Contemporary		1.080	4,320	\$ (0.00080)	\$ (3.46)	\$ (0.29)	\$ 46.17	\$ 45.88	-0.62%				\$ 57.29	\$ 57.00	-0.50%
			481/482	Contemporary		0.350	1,400	\$ (0.00080)	\$ (1.12)	\$ (0.09)	\$ 22.45	\$ 22.36	-0.42%				\$ 33.60	\$ 33.51	-0.28%
				Incandescent															
			349	Continental Jr.		0.102	408	\$ (0.00080)	\$ (0.33)	\$ (0.03)							\$ 9.96	\$ 9.93	-0.27%
			348	Continental Jr.		0.447	1,788	\$ (0.00080)	\$ (1.43)	\$ (0.12)							\$ 14.18	\$ 14.06	-0.84%

* Per KU's Tariff Sheet No. 67, kWh consumed by lighting units are based on 4,000 hours of use per year.

**	Current Fuel Base	Proposed Fuel Base	Difference
	\$ 0.02428	\$ 0.02348	\$ (0.00080)

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated March 4, 2021**

Case No. 2021-00056

Question No. 27

Responding Witness: Andrea M. Fackler

- Q-27. Provide a copy of the current tariff showing by cross-outs and inserts all proposed changes in rates.
- A-27. See attached. Attachment 1 is a red-lined version of the current tariff sheets reflecting the proposed changes in rates. Attachment 2 is a clean version of the proposed tariff sheets. As noted in the response to Question No. 26, the current tariffs are subject to change pending the Commission's issuance of a Final Order in LG&E's base rate proceeding (Case No. 2020-00350).

Louisville Gas and Electric Company

P.S.C. Electric No. 12, ~~First~~**Second** Revision of Original Sheet No. 5
 Canceling P.S.C. Electric No. 12, ~~First~~**Revision of** Original Sheet No. 5

Standard Rate

RS
 Residential Service

APPLICABLE

In all territory served.

AVAILABILITY

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

RATE

Basic Service Charge per day:	\$0.45			
Plus an Energy Charge per kWh:	Infrastructure	Variable	Total	
	\$0.06072	\$0.032060 <u>0.03126</u>		4R/R
	\$0.092780 <u>0.09198</u>			

"Variable" shall be the rate comprised of costs, such as fuel, that fluctuate with the production of energy used by customers.

"Infrastructure" shall be the rate comprised of costs associated with meeting system demand that do not fluctuate directly with energy usage as well as the portion of fixed customer-related expenses not recovered in the Basic Service Charge.

ADJUSTMENT CLAUSES

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

Demand-Side Management Cost Recovery Mechanism	Sheet No. 86
Fuel Adjustment Clause	Sheet No. 85
Off-System Sales Adjustment Clause	Sheet No. 88
Environmental Cost Recovery Surcharge	Sheet No. 87
Home Energy Assistance Program	Sheet No. 92
Franchise Fee	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. 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.

Beginning May 1, 2019, Residential Service Customers in good standing by not having been assessed a Late Payment Charge for the previous eleven (11) months have the option of waiving one (1) late payment charge upon request. This option may only be used once every twelve (12) months as long as the Customer remains in good standing.

TERMS AND CONDITIONS

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

DATE OF ISSUE: ~~November 5, 2019~~ March 22, 2021

DATE EFFECTIVE: With Bills Rendered
 On and After ~~November 27, 2019~~ September 1, 2021

ISSUED BY: /s/ Robert M. Conroy, Vice President
 State Regulation and Rates
 Louisville, Kentucky

**Issued by Authority of an Order of the
 Public Service Commission in Case No.**

| ~~2019-00206 dated October 22, 2019~~2021-00056 dated XXXX

Louisville Gas and Electric Company

P.S.C. Electric No. 12, ~~First~~**Second** Revision of Original Sheet No. 6
 Canceling P.S.C. Electric No. 12, ~~First~~**Revision of** Original Sheet No. 6

Standard Rate

**RTOD-Energy
 Residential Time-of-Day Energy Service**

APPLICABLE

In the territory served.

AVAILABILITY

Available as an option to Customers otherwise served under Rate RS.

1. Service under this rate schedule is limited to a maximum of five hundred (500) Customers taking service on Rates RTOD-Energy and RTOD-Demand combined that are eligible for Rate RS. Company will accept Customers on a first-come-first-served basis.
2. This service is also available to Customers on Rate GS (where the Rate GS service is used in conjunction with a Rate RS service to provide service to a detached garage and energy usage is no more than 300 kWh per month) who demonstrate power delivered to such detached garage is consumed, in part, for the powering of low emission vehicles licensed for operation on public streets or highways. Such vehicles include:
 - a) battery electric vehicles or plug-in hybrid electric vehicles recharged through a charging outlet at Customer's premises,
 - b) natural gas vehicles refueled through an electric-powered refueling appliance at Customer's premises.
3. A Customer electing to take service under this rate schedule who subsequently elects to take service under Rate RS may not be allowed to return to this optional rate for twelve (12) months from the date of exiting this rate schedule.

RATE

Basic Service Charge per day:	\$0.45			
Plus an Energy Charge per kWh:	Infrastructure	Variable	Total	
Off-Peak Hours:	\$0.03874	\$0.032060	0.03126	W/R/R
	\$0.070800	0.07000		W/R/R
On-Peak Hours:	\$0.17302	\$0.032060	0.03126	
	\$0.205080	0.20428		

"Variable" shall be the rate comprised of costs, such as fuel, that fluctuate with the production of energy used by customers.

"Infrastructure" shall be the rate comprised of costs associated with meeting system demand that do not fluctuate directly with energy usage as well as the portion of fixed customer-related expenses not recovered in the Basic Service Charge.

ADJUSTMENT CLAUSES

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

Demand Side Management Cost Recovery Mechanism	Sheet No. 86
Fuel Adjustment Clause	Sheet No. 85
Off-System Sales Adjustment Clause	Sheet No. 88
Environmental Cost Recovery Surcharge	Sheet No. 87
Home Energy Assistance Program	Sheet No. 92
Franchise Fee	Sheet No. 90
School Tax	Sheet No. 91

DATE OF ISSUE: ~~November 5, 2019~~March 22, 2021

DATE EFFECTIVE: With Bills Rendered
 On and After ~~November 27, 2019~~September 1, 2021

ISSUED BY: /s/ Robert M. Conroy, Vice President
 State Regulation and Rates
 Louisville, Kentucky

Issued by Authority of an Order of the

Public Service Commission in Case No.
~~2019-00206 dated October 22, 2019~~2021-00056 dated XXXX

Louisville Gas and Electric Company

P.S.C. Electric No. 12, ~~First~~**Second** Revision of Original Sheet No. 7
 Canceling P.S.C. Electric No. 12, ~~First~~**Revision of** Original Sheet No. 7

Standard Rate**RTOD-Demand****Residential Time-of-Day Demand Service****APPLICABLE**

In the territory served.

AVAILABILITY

Available as an option to customers otherwise served under Rate RS.

1. Service under this rate schedule is limited to a maximum of five hundred (500) Customers taking service on Rates RTOD-Demand and RTOD-Energy combined that are eligible for Rate RS. Company will accept Customers on a first-come-first-served basis.
2. This service is also available to Customers on Standard Rate GS (where the Rate GS service is used in conjunction with a Rate RS service to provide service to a detached garage and energy usage is no more than 300 kWh per month) who demonstrate power delivered to such detached garage is consumed, in part, for the powering of low emission vehicles licensed for operation on public streets or highways. Such vehicles include:
 - a. battery electric vehicles or plug-in hybrid electric vehicles recharged through a charging outlet at Customer's premises,
 - b. natural gas vehicles refueled through an electric-powered refueling appliance at Customer's premises.
3. A Customer electing to take service under this rate schedule who subsequently elects to take service under Rate RS may not be allowed to return to this optional rate for twelve (12) months from the date of exiting this rate schedule.

RATE

Basic Service Charge per day:	\$0.45		
Plus an Energy Charge per kWh:	Infrastructure	Variable	Total
	\$0.02095	\$0.032060	0.03126
	\$0.053010	0.05221	
Plus a Demand Charge per kW:			
Base Hours:	\$ 3.48		
Peak Hours:	\$ 7.62		

~~W/R/R~~
↓

"Variable" shall be the rate comprised of costs, such as fuel, that fluctuate with the production of energy used by customers.

"Infrastructure" shall be the rate comprised of costs associated with meeting system demand that do not fluctuate directly with energy usage as well as the portion of fixed customer-related expenses not recovered in the Basic Service Charge.

ADJUSTMENT CLAUSES

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

Demand Side Management Cost Recovery Mechanism	Sheet No. 86
Fuel Adjustment Clause	Sheet No. 85
Off-System Sales Adjustment Clause	Sheet No. 88
Environmental Cost Recovery Surcharge	Sheet No. 87
Home Energy Assistance Program	Sheet No. 92
Franchise Fee	Sheet No. 90
School Tax	Sheet No. 91

DATE OF ISSUE: ~~November 5, 2019~~March 22, 2021

DATE EFFECTIVE: With Bills Rendered
 On and After ~~November 27, 2019~~September 1, 2021

ISSUED BY: /s/ Robert M. Conroy, Vice President
 State Regulation and Rates
 Louisville, Kentucky

**Issued by Authority of an Order of the
 Public Service Commission in Case No.**

| ~~2019-00206 dated October 22, 2019~~2021-00056 dated XXXX

Louisville Gas and Electric Company

P.S.C. Electric No. 12, ~~First~~**Second** Revision of Original Sheet No. 9
 Canceling P.S.C. Electric No. 12, ~~First~~**Revision of** Original Sheet No. 9

Standard Rate**VFD****Volunteer Fire Department Service****APPLICABLE**

In all territory served.

AVAILABILITY

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 Customer with 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 per day:	\$0.45			
Plus an Energy Charge per kWh:	Infrastructure	Variable	Total	
	\$0.06072	\$ 0.032060 <u>0.03126</u>	\$ 0.092780 <u>0.09198</u>	<u>-R/R</u>

"Variable" shall be the rate comprised of costs, such as fuel, that fluctuate with the production of energy used by customers.

"Infrastructure" shall be the rate comprised of costs associated with meeting system demand that do not fluctuate directly with energy usage as well as the portion of fixed customer-related expenses not recovered in the Basic Service Charge.

ADJUSTMENT CLAUSES

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

Demand-Side Management Cost Recovery Mechanism	Sheet No. 86
Fuel Adjustment Clause	Sheet No. 85
Off-System Sales Adjustment Clause	Sheet No. 88
Environmental Cost Recovery Surcharge	Sheet No. 87
Franchise Fee	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: ~~November 5, 2019~~March 22, 2021

DATE EFFECTIVE: With Bills Rendered
 On and After ~~November 27, 2019~~September 1, 2021

ISSUED BY: /s/ Robert M. Conroy, Vice President
 State Regulation and Rates
 Louisville, Kentucky

**Issued by Authority of an Order of the
 Public Service Commission in Case No.**

~~2019-00206 dated October 22, 2019~~2021-00056 dated XXXX

Louisville Gas and Electric Company

P.S.C. Electric No. 12, ~~First~~**Second** Revision of Original Sheet No. 15
 Canceling P.S.C. Electric No. 12, ~~First~~**Revision of** Original Sheet No. 15

Standard Rate

PS
 Power Service

APPLICABLE

In all territory served.

AVAILABILITY

Available for secondary or primary service and limited to Customers whose twelve (12)-month-average monthly minimum secondary loads exceed 50 kW and whose twelve (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 day:	\$2.96	\$7.89	
Plus an Energy Charge per kWh:	\$0.03444 <u>0.03361</u>	\$0.03359 <u>0.03279</u>	<u>R/R</u>
Plus a Demand Charge per kW:			
Summer Rate:			
(Five Billing Periods of May through September)	\$24.06	\$21.13	W
Winter Rate:			
(All other months)	\$21.19	\$18.40	W

Where the monthly billing demand is the greater of:

- 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
- a minimum of 50% of the highest measured load in the preceding eleven (11) monthly billing periods, or
- if applicable, a minimum of 60% of the contract capacity based on the maximum load expected on the system or on facilities specified by Customer.

DATE OF ISSUE: ~~November 5, 2019~~March 22, 2021

DATE EFFECTIVE: With Bills Rendered
 On and After ~~November 27, 2019~~September 1, 2021

ISSUED BY: /s/ Robert M. Conroy, Vice President
 State Regulation and Rates
 Louisville, Kentucky

**Issued by Authority of an Order of the
 Public Service Commission in Case No.**

~~2019-00206 dated October 22, 2019~~2021-00056 dated XXXX

Louisville Gas and Electric Company

P.S.C. Electric No. 12, ~~First~~**Second** Revision of Original Sheet No. 20
 Canceling P.S.C. Electric No. 12, ~~First~~**Revision of** Original Sheet No. 20

Fackler

Standard Rate

TODS

Time-of-Day Secondary Service

APPLICABLE

In all territory served.

AVAILABILITY

Available for secondary service to Customers whose twelve (12)-month-average monthly minimum loads exceed 250 kVA and whose twelve (12)-month-average monthly maximum loads do not exceed 5,000 kVA.

RATE

Basic Service Charge per day:	\$ 6.58	
Plus an Energy Charge per kWh:	\$ 0.028430 <u>0.02733</u>	R
Plus a Maximum Load Charge per kVA:		
Peak Demand Period:	\$ 9.89	↓
Intermediate Demand Period:	\$ 7.63	↓
Base Demand Period:	\$ 2.30	R

Where:

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

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

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

1. the maximum measured load in the current billing period but not less than 250 kVA, or
2. the highest measured load in the preceding eleven (11) monthly billing periods, or
3. the contract capacity based on the maximum load expected on the system or on facilities specified by Customer.

ADJUSTMENT CLAUSES

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

Demand-Side Management Cost Recovery Mechanism	Sheet No. 86
Fuel Adjustment Clause	Sheet No. 85
Off-System Sales Adjustment Clause	Sheet No. 88
Environmental Cost Recovery Surcharge	Sheet No. 87
Franchise Fee	Sheet No. 90
School Tax	Sheet No. 91

DATE OF ISSUE: ~~November 5, 2019~~March 22, 2021

DATE EFFECTIVE: With Bills Rendered
 On and After ~~November 27, 2019~~September 1, 2021

ISSUED BY: /s/ Robert M. Conroy, Vice President
 State Regulation and Rates
 Louisville, Kentucky

Issued by Authority of an Order of the
 Public Service Commission in Case No.

~~2019-00206 dated October 22, 2019~~2021-00056 dated XXXX

Louisville Gas and Electric Company

P.S.C. Electric No. 12, ~~First~~Second Revision of Original Sheet No. 22
 Canceling P.S.C. Electric No. 12, First Revision of Original Sheet No. 22

Fackler

Standard Rate

TODP

Time-of-Day Primary Service

APPLICABLE

In all territory served.

AVAILABILITY

Available for primary service to Customers whose twelve (12)-month-average monthly minimum demands exceeding 250 kVA, and whose new or additional load receives any required approval of Company's transmission operator.

RATE

Basic Service Charge per day: \$ 10.84

Plus an Energy Charge per kWh: \$ ~~0.027440~~0.02664

R

Plus a Maximum Load Charge per kVA:

Peak Demand Period: \$ 9.32

Intermediate Demand Period: \$ 7.15

Base Demand Period: \$ 2.34

↓

↓

R

Where:

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

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

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

1. the maximum measured load in the current billing period but not less than 250 kVA, or
2. the highest measured load in the preceding eleven (11) monthly billing periods, or
3. the contract capacity based on the maximum load expected on the system or on facilities specified by Customer.

ADJUSTMENT CLAUSES

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

Demand-Side Management Cost Recovery Mechanism	Sheet No. 86
Fuel Adjustment Clause	Sheet No. 85
Off-System Sales Adjustment Clause	Sheet No. 88
Environmental Cost Recovery Surcharge	Sheet No. 87
Franchise Fee	Sheet No. 90
School Tax	Sheet No. 91

DATE OF ISSUE: ~~November 5, 2019~~March 22, 2021
DATE EFFECTIVE: With Bills Rendered
 On and After ~~November 27, 2019~~September 1, 2021
ISSUED BY: /s/ Robert M. Conroy, Vice President
 State Regulation and Rates
 Louisville, Kentucky

**Issued by Authority of an Order of the
 Public Service Commission in Case No.**

~~2019-00206 dated October 22, 2019~~2021-00056 dated XXXX

Louisville Gas and Electric Company

P.S.C. Electric No. 12, ~~First~~**Second** Revision of Original Sheet No. 25
 Canceling P.S.C. Electric No. 12, ~~First~~**Revision of** Original Sheet No. 25

Fackler

Standard Rate

RTS

Retail Transmission Service

APPLICABLE

In all territory served.

AVAILABILITY

Available for transmission service to any Customer: (1) who has a twelve (12)-month-average monthly minimum demand exceeding 250 kVA; and (2) whose new or additional load receives any required approval of Company's transmission operator.

RATE

Basic Service Charge per day:	\$	49.28	
Plus an Energy Charge per kWh:	\$	0.027050 0.02625	R
Plus a Maximum Load Charge per kVA:			
Peak Demand Period:	\$	9.27	↓
Intermediate Demand Period:	\$	7.11	↓
Base Demand Period:	\$	0.90	R

Where:

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

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

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

1. the maximum measured load in the current billing period but not less than 250 kVA, or
2. the highest measured load in the preceding eleven (11) monthly billing periods, or
3. the contract capacity based on the maximum load expected on the system or on facilities specified by Customer.

ADJUSTMENT CLAUSES

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

Demand-Side Management Cost Recovery Mechanism	Sheet No. 86
Fuel Adjustment Clause	Sheet No. 85
Off-System Sales Adjustment Clause	Sheet No. 88
Environmental Cost Recovery Surcharge	Sheet No. 87
Franchise Fee	Sheet No. 90
School Tax	Sheet No. 91

DATE OF ISSUE: ~~November 5, 2019~~**March 22, 2021**

DATE EFFECTIVE: With Bills Rendered
 On and After ~~November 27, 2019~~**September 1, 2021**

ISSUED BY: /s/ Robert M. Conroy, Vice President
 State Regulation and Rates
 Louisville, Kentucky

**Issued by Authority of an Order of the
 Public Service Commission in Case No.**

~~2019-00206 dated October 22, 2019~~**2021-00056 dated XXXX**

Louisville Gas and Electric Company

P.S.C. Electric No. 12, ~~First~~Second Revision of Original Sheet No. 30
 Canceling P.S.C. Electric No. 12, First Revision of Original Sheet No. 30

Fackler

Standard Rate

FLS

Fluctuating Load Service

APPLICABLE

In all territory served.

AVAILABILITY

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 Rate 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 rate schedule as of July 1, 2004.

BASE RATE

	<u>Primary</u>	<u>Transmission</u>	
Basic Service Charge per day:	\$ 10.84	\$ 49.28	
Plus an Energy Charge per kWh:	\$ 0.027440 <u>0.02664</u>	\$ 0.026250 <u>0.02785</u>	
Plus a Maximum Load Charge per kVA:			
Peak Demand Period:	\$ 8.90	\$ 8.84	1/1
Intermediate Demand Period:	\$ 6.78	\$ 6.73	1/1
Base Demand Period:	\$ 2.22	\$ 0.78	R/R

Where:

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

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

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

1. the maximum measured load in the current billing period but not less than 20,000 kVA, or
2. the highest measured load in the preceding eleven (11) monthly billing periods, or
3. the contract capacity based on the maximum load expected on the system or on facilities specified by Customer.

DATE OF ISSUE: ~~November 5, 2019~~March 22, 2021
DATE EFFECTIVE: With Bills Rendered
 On and After ~~November 27, 2019~~September 1, 2021
ISSUED BY: /s/ Robert M. Conroy, Vice President
 State Regulation and Rates
 Louisville, Kentucky

**Issued by Authority of an Order of the
 Public Service Commission in Case No.**

| ~~2019-00206 dated October 22, 2019~~ 2021-00056 dated XXXX

Louisville Gas and Electric Company

P.S.C. Electric No. 12, First Revision of Original Sheet No. 35

Canceling P.S.C. Electric No. 12, Original Sheet No. 35

Fackler

Standard Rate

**LS
Lighting Service**

APPLICABLE

In all territory served.

AVAILABILITY

Available under the conditions set out hereinafter for lighting applications such as, but not limited to, the illumination of streets, 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.

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).

RATE

Rate Code	Type of Fixture	Lumen Range	kW Per Light	Monthly Charge Fixture Only
Light Emitting Diode (LED)				
490	Cobra Head	5,500-8,200	0.071	\$ <u>9.379.35</u>
491	Cobra Head	13,000-16,500	0.122	<u>11.3611.33</u>
492	Cobra Head	22,000-29,000	0.194	<u>13.3013.25</u>
493	Open Bottom	4,500-6,000	0.048	<u>8.528.51</u>
LC1	Cobra Head	2,500-4,000	0.022	<u>8.138.12</u>
LF1	Directional (Flood)	4,500-6,000	0.030	<u>10.8610.85</u>
LF2	Directional (Flood)	14,000-17,500	0.090	<u>12.6512.63</u>
LF3	Directional (Flood)	22,000-28,000	0.175	<u>14.9814.93</u>
LF4	Directional (Flood)	35,000-50,000	0.297	<u>21.4221.34</u>

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DATE OF ISSUE: ~~May 14, 2019~~ March 22, 2021

DATE EFFECTIVE: With Service Rendered
On and After ~~May 1, 2019~~ September 1, 2021

ISSUED BY: /s/ Robert M. Conroy, Vice President
State Regulation and Rates
Louisville, Kentucky

**Issued by Authority of an Order of the
Public Service Commission in Case No.
~~2018-00295 dated April 30, 2019~~ 2021-00056 dated XXXX**

Louisville Gas and Electric Company

P.S.C. Electric No. 12, First Revision of Original Sheet No. 35.1

Canceling P.S.C. Electric No. 12, Original Sheet No. 35.1

Fackler

Standard Rate

**LS
Lighting Service**

D

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	Lumens Range	kW Per Light	Fixture Charge
Light Emitting Diode (LED)				
LC2	Cobra Head	2,500-4,000	0.022	\$3.82 3.81
496	Cobra Head	5,500-8,200	0.071	\$5.05 5.03
497	Cobra Head	13,000-16,500	0.122	\$7.04 7.01
498	Cobra Head	22,000-29,000	0.194	\$10.16 10.11
499	Colonial, 4-Sided	4,000-7,000	0.044	\$7.04 7.03
LA1	Acorn	4,000-7,000	0.040	\$6.54 6.53
LN1	Contemporary	4,000-7,000	0.057	\$6.55 6.53
LN2	Contemporary	8,000-11,000	0.087	\$7.65 7.63
LN3	Contemporary	13,500-16,500	0.143	\$9.34 9.30
LN4	Contemporary	21,000-28,000	0.220	\$13.55 13.49
LN5	Contemporary	45,000-50,000	0.380	\$20.49 20.39
LF5	Directional (Flood)	4,500-6,000	0.030	\$7.64 7.60
LF6	Directional (Flood)	14,000-17,500	0.096	\$9.40 9.37
LF7	Directional (Flood)	22,000-28,000	0.175	\$11.73 11.68
LF8	Directional (Flood)	35,000-50,000	0.297	\$18.17 18.09

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DATE OF ISSUE: ~~May 14, 2019~~ March 22, 2021

DATE EFFECTIVE: With Service Rendered
On and After ~~May 1, 2019~~ September 1, 2021

ISSUED BY: /s/ Robert M. Conroy, Vice President
State Regulation and Rates
Louisville, Kentucky

**Issued by Authority of an Order of the
Public Service Commission in Case No.
~~2018-00295 dated April 30, 2019~~ 2021-00056 dated XXXX**

Louisville Gas and Electric Company

P.S.C. Electric No. 12, ~~First~~**Second** Revision of Original Sheet No. 35.2
 Canceling P.S.C. Electric No. 12, **First Revision of** Original Sheet No. 35.2

Fackler

Standard Rate

**LS
Lighting Service**

RATE (continued)

Rate Code	Type of Fixture	Lumen Range	kW Per Light	Monthly Charge	
High Pressure Sodium					
427	London*	5,800	0.083	\$38.48 38.16	<u>R↓</u>
429	London*	9,500	0.117	\$38.45 38.12	<u>R↓</u>
431	Victorian*	5,800	0.083	\$35.87 35.85	<u>R↓</u>
433	Victorian*	9,500	0.177	\$40.25 40.20	<u>R↓</u>

Units marked with an asterisk (*) are non-LED offerings.

Colonial and Acorn "Post Top" lights must include one of two pole options, a Decorative Smooth pole or a Historic Fluted pole. Underground fed Cobra LEDs must include a Cobra pole charge. Underground fed Contemporary LEDs must include a short Contemporary pole charge or a tall Contemporary pole charge. The Underground fed Directional (Flood) LEDs must include a Cobra or Contemporary pole charge.

Pole Charges

Rate Code	Pole Type	Monthly Pole Charge
PL1	Cobra	\$30.04
PL2	Contemporary (Short)	\$14.49
PL3	Contemporary (Tall)	\$21.26
PL4	Post Top – Decorative Smooth	\$14.29
PL5	Post Top – Historic Fluted	\$19.88

CONVERSION FEE

Customer will be required to pay a monthly conversion fee for 60 months if Customer requests to change current functioning non-LED fixture to an LED fixture. This conversion fee represents the remaining book value of the current working non-LED fixture.

Conversion Fee: \$ 7.37 per month for 60 months

DATE OF ISSUE: ~~November 5, 2019~~March 22, 2021

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On and After ~~November 27, 2019~~September 1, 2021

ISSUED BY: /s/ Robert M. Conroy, Vice President
State Regulation and Rates
Louisville, Kentucky

**Issued by Authority of an Order of the
Public Service Commission in Case No.**

~~2019-00206 dated October 22, 2019~~2021-00056 dated XXXX

Louisville Gas and Electric Company

P.S.C. Electric No. 12, ~~First~~**Second** Revision of Original Sheet No. 36
 Canceling P.S.C. Electric No. 12, ~~First~~**Revision of** Original Sheet No. 36

Fackler

Standard Rate

RLS

Restricted Lighting Service

APPLICABLE

In all territory served.

AVAILABILITY

Availability is restricted to those lighting fixtures/poles in service as of January 1, 2013, except where a spot replacement maintains the continuity of multiple fixtures/poles in a neighborhood lighting system or continuity is desired for a subdivision being developed in phases. 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. Spot replacements will not be available for Mercury Vapor and Incandescent rate codes.

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.

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 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	\$10.92 <u>10.86</u>		R
203	Cobra Head	13,000	0.298	12.37 <u>12.29</u>		R
204	Cobra Head	25,000	0.462	15.14 <u>15.02</u>		R
209	Cobra Head	60,000*	1.180	30.58 <u>30.27</u>		R
207	Directional	25,000	0.462	17.22 <u>17.10</u>		R
210	Directional	60,000*	1.180	31.80 <u>31.49</u>		R
201	Open Bottom	4,000	0.100	\$ 9.48 <u>9.45</u>		R
Metal Halide						
470/471	Directional	12,000	0.150	\$14.97 <u>14.93</u>		\$17.66 <u>17.62</u> R/R/
474/475	Directional	32,000*	0.350		22.96 <u>22.87</u>	\$30.45 <u>30.36</u> R/R
476/477	Directional	107,800*	1.080	43.18 <u>42.89</u>		46.39 <u>46.10</u> R/R
473	Directional	32,000*	0.350	20.66 <u>20.57</u>		R

DATE OF ISSUE: ~~November 5, 2019~~March 22, 2021DATE EFFECTIVE: With Bills Rendered
On and After ~~November 27, 2019~~September 1, 2021ISSUED BY: /s/ Robert M. Conroy, Vice President
State Regulation and Rates
Louisville, KentuckyIssued by Authority of an Order of the
Public Service Commission in Case No.~~2019-00206 dated October 22, 2019~~2021-00056 dated XXXX

Louisville Gas and Electric Company

P.S.C. Electric No. 12, ~~First~~Second Revision of Original Sheet No. 36.1
 Canceling P.S.C. Electric No. 12, First Revision of Original Sheet No. 36.1

Fackler

Standard Rate**RLS****Restricted Lighting Service**

RATE (continued)		Approximate Lumens	kW Per Light	Monthly Charge		
Rate Code	Type of Fixture			Fixture Only	Fixture & Wood Pole	Fixture & Orn. Pole
High Pressure Sodium						
452	Cobra Head	16,000	0.181	\$14.49 <u>14.44</u>		R↓
453	Cobra Head	28,500	0.294	16.87 <u>16.79</u>		R
454	Cobra Head	50,000*	0.471	19.22 <u>19.09</u>		R
455	Directional	16,000	0.181	15.45 <u>15.40</u>		R↓
456	Directional	50,000*	0.471	20.05 <u>19.92</u>		R
457	Open Bottom	9,500	0.117	12.87 <u>12.84</u>		R↓
Wood Pole						
958	Installed Before 3/1/2010			\$11.35		
900	Installed Before 7/1/2004			2.16		

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		Approximate Lumens	kW Per Light	Monthly Charge	
Rate Code	Type of Fixture			Fixture Only	Decorative Smooth
High Pressure Sodium					
275	Cobra/Contemporary	16,000	0.181		\$27.73 <u>27.68</u> R↓
266	Cobra/Contemporary	28,500	0.294		30.42 <u>30.34</u> R
267	Cobra Contemporary	50,000*	0.471		34.69 <u>34.56</u> R
276	Coach/Acorn	5,800	0.083		46.85 <u>46.83</u> R↓
274	Coach/Acorn	9,500	0.117		20.04 <u>19.98</u> R↓
277	Coach/Acorn	16,000	0.181		24.43 <u>24.38</u> R↓
279/278	Contemporary	120,000*	1.000	\$47.43 <u>47.16</u>	78.64 <u>78.37</u> R/R
417	Acorn, Bronze	9,500	0.117		27.00 <u>26.97</u> R↓
419	Acorn, Bronze	16,000	0.180		28.21 <u>28.16</u> R↓
280	Victorian	5,800	0.083	\$22.86 <u>22.84</u>	R↓
281	Victorian	9,500	0.117	23.30 <u>23.27</u>	R↓
282	London	5,800	0.083	22.47 <u>22.45</u>	R↓
283	London	9,500	0.117	23.84 <u>23.78</u>	R↓
426	London	5,800	0.083		\$36.46 <u>36.14</u> R↓
428	London	9,500	0.117		37.04 <u>37.01</u> R↓
430	Victorian	5,800	0.083		35.48 <u>35.16</u> R↓
432	Victorian	9,500	0.117		37.29 <u>37.26</u> R↓

DATE OF ISSUE: ~~November 5, 2019~~March 22, 2021

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 On and After ~~November 27, 2019~~September 1, 2021

ISSUED BY: /s/ Robert M. Conroy, Vice President
 State Regulation and Rates
 Louisville, Kentucky

**Issued by Authority of an Order of the
 Public Service Commission in Case No.**

~~2019-00206 dated October 22, 2019~~2021-00056 dated XXXX

Louisville Gas and Electric Company

P.S.C. Electric No. 12, ~~First~~Second Revision of Original Sheet No. 36.2
 Canceling P.S.C. Electric No. 12, First Revision of Original Sheet No. 36.2

Fackler

Standard Rate

RLS

Restricted Lighting Service

UNDERGROUND SERVICE (continued)**RATE****Monthly Charge**

Rate Code	Type of Fixture	Approximate Lumens	kW Per Light	Fixture Only	Decorative Smooth	
High Pressure Sodium (continued)						
412	Colonial, 4-Sided	5,800	0.083		\$22.35 <u>22.33</u>	R
413	Colonial, 4-Sided	9,500	0.117		23.05 <u>23.02</u>	R
444	Colonial, 4-Sided	16,000	0.181		22.96 <u>22.91</u>	R
415	Acorn	5,800	0.083		22.75 <u>22.73</u>	R
416	Acorn	9,500	0.117		25.18 <u>25.15</u>	R
445	Acorn	16,000	0.181		24.96 <u>24.91</u>	R
400	Dark Sky	4,000	0.060		26.57 <u>26.55</u>	R
401	Dark Sky	9,500	0.117		26.95 <u>26.92</u>	R
423	Cobra Head	16,000	0.181		29.26 <u>29.21</u>	R
424	Cobra Head	28,500	0.294		31.58 <u>31.50</u>	R
425	Cobra Head	50,000*	0.471		37.45 <u>37.32</u>	R
439/420	Contemporary	16,000	0.181	\$18.13 <u>18.08</u>	32.97 <u>32.92</u>	R/R
440/421	Contemporary	28,500*	0.294	20.09 <u>20.01</u>	35.56 <u>35.48</u>	R/R
441/422	Contemporary	50,000*	0.471	24.17 <u>24.04</u>	41.26 <u>41.13</u>	R/R
Mercury Vapor						
318	Cobra Head	8,000	0.210		\$18.97 <u>18.91</u>	R
314	Cobra Head	13,000	0.298		21.36 <u>21.28</u>	R
315	Cobra Head	25,000	0.462		24.84 <u>24.72</u>	R
206	Coach	4,000	0.100		13.89 <u>13.92</u>	R
208	Coach	8,000	0.210		15.71 <u>15.65</u>	R
Metal Halide						
479/480	Contemporary	12,000	0.150	\$46.59 <u>16.55</u>	\$27.13 <u>27.09</u>	R/R
483/484	Contemporary	107,800*	1.080	46.17 <u>45.88</u>	57.29 <u>57.00</u>	R/R
481/482	Contemporary	32,000*	0.350	22.45 <u>22.36</u>	33.60 <u>33.51</u>	R/R
Incandescent						
349	Continental Jr.	1,500	0.102		\$ 9.96 <u>9.93</u>	R
348	Continental Jr.	6,000	0.447		14.18 <u>14.06</u>	R
Victorian/London Bases						
950	Old Town				\$ 3.63	
951	Chesapeake				3.84	
956	Victorian/London (Westchester/Norfolk)				3.72	
Poles						
901	10' Smooth Pole				\$10.85	
902	10' Fluted Pole				12.95	

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.

DATE OF ISSUE: ~~November 5, 2019~~March 22, 2021

DATE EFFECTIVE: With Bills Rendered
 On and After ~~November 27, 2019~~September 1, 2021

ISSUED BY: /s/ Robert M. Conroy, Vice President
 State Regulation and Rates
 Louisville, Kentucky

**Issued by Authority of an Order of the
 Public Service Commission in Case No.**

~~2019-00206 dated October 22, 2019~~2021-00056 dated XXXX

Louisville Gas and Electric Company

P.S.C. Electric No. 12, ~~First~~**Second** Revision of Original Sheet No. 37
 Canceling P.S.C. Electric No. 12, **First Revision of** Original Sheet No. 37

Standard Rate

LE

Lighting Energy Service

APPLICABLE

In all territory served.

AVAILABILITY

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\$~~0.07044~~**0.06961** per kWh

R

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
Off-System Sales Adjustment Clause	Sheet No. 88
Environmental Cost Recovery Surcharge	Sheet No. 87
Franchise Fee	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: ~~November 5, 2019~~**March 22, 2021**

DATE EFFECTIVE: With Bills Rendered
 On and After ~~November 27, 2019~~**September 1, 2021**

ISSUED BY: /s/ Robert M. Conroy, Vice President
 State Regulation and Rates
 Louisville, Kentucky

**Issued by Authority of an Order of the
 Public Service Commission in Case No.**

~~2019-00206 dated October 22, 2019~~**2021-00056 dated XXXX**

Louisville Gas and Electric Company

P.S.C. Electric No. 12, ~~First~~**Second** Revision of Original Sheet No. 38
 Canceling P.S.C. Electric No. 12, ~~First~~**Revision of** Original Sheet No. 38

Fackler

Standard Rate

TE

Traffic Energy Service

APPLICABLE

In all territory served.

AVAILABILITY

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, but not limited to, signals, cameras, or other traffic lights, electronic communication devices, emergency sirens, and gunshot triangulation devices.

RATE

Basic Service Charge per day: \$0.13 per delivery point

Plus an Energy Charge per kWh: ~~\$0.084040~~0.08324

R

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
Off-System Sales Adjustment Clause	Sheet No. 88
Environmental Cost Recovery Surcharge	Sheet No. 87
Franchise Fee	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.

CONDITIONS OF SERVICE

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 size and characteristics of the load, or on meter readings obtained from a similar installation.

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ISSUED BY: /s/ Robert M. Conroy, Vice President
 State Regulation and Rates
 Louisville, Kentucky

**Issued by Authority of an Order of the
 Public Service Commission in Case No.**

~~2019-00206 dated October 22, 2019~~2021-00056 dated XXXX

Louisville Gas and Electric Company

P.S.C. Electric No. 12, ~~First~~**Second** Revision of Original Sheet No. 81
 Canceling P.S.C. Electric No. 12, ~~First~~**Revision of** Original Sheet No. 81

Fackler

Standard Rate Pilot

OSL

Outdoor Sports Lighting Service

APPLICABLE

In all territory served.

AVAILABILITY

Available as an optional pilot program for secondary and primary service used by a Customer for lighting specifically designed for outdoor fields which are normally used for organized competitive sports. Service under this rate schedule is limited to a maximum of twenty Customers. Company will accept Customers on a first-come-first-served basis.

RATE

Basic Service Charge per day:	Secondary \$ 2.96	Primary \$ 7.89	
Plus an Energy Charge per kWh of:	\$ 0.03444 <u>0.03361</u>	\$ -0.03359 <u>0.03279</u>	R/R
Plus a Maximum Load Charge per kW of:			
Peak Demand Period	\$ 26.57	\$ 19.71	1/1
Base Demand Period	\$ 3.44	\$ 2.34	R/R

Where:

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

1. the maximum measured load in the billing period, or
2. a minimum of 50% of the highest billing demand in the preceding eleven (11) monthly billing periods.

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

1. the maximum measured load in the billing period, or
2. the highest measured load in the preceding eleven (11) monthly billing periods, or
3. if applicable, the contract capacity based on the maximum load expected on the system or on facilities specified by Customer.

ADJUSTMENT CLAUSES

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

Demand-Side Management Cost Recovery Mechanism	Sheet No. 86
Fuel Adjustment Clause	Sheet No. 85
Off-System Sales Adjustment Clause	Sheet No. 88
Environmental Cost Recovery Surcharge	Sheet No. 87
Franchise Fee	Sheet No. 90
School Tax	Sheet No. 91

DATE OF ISSUE: ~~November 5, 2019~~March 22, 2021

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 On and After ~~November 27, 2019~~September 1, 2021

ISSUED BY: /s/ Robert M. Conroy, Vice President
 State Regulation and Rates
 Louisville, Kentucky

**Issued by Authority of an Order of the
 Public Service Commission in Case No.**

~~2019-00206 dated October 22, 2019~~2021-00056 dated XXXX

Louisville Gas and Electric CompanyP.S.C. Electric No. 12, First Revision of Original Sheet No. 85.1Canceling P.S.C. Electric No. 12, 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 ~~April 2016~~ October 2020 and the base fuel factor is \$0.~~0234802428~~ T/R per kWh.
7. Current (m) period shall be the second month preceding the month in which the Fuel Clause Adjustment Factor is billed.

DATE OF ISSUE: ~~May 14, 2019~~ March 22, 2021**DATE EFFECTIVE:** With Service Rendered
On and After September 1, ~~2021~~ 2017**ISSUED BY:** /s/ Robert M. Conroy, Vice President
State Regulation and Rates
Louisville, Kentucky**Issued by Authority of an Order of the
Public Service Commission in Case No.**

| [2021-00056 dated XXXX2017-00004 dated July 31, 2017](#)

Louisville Gas and Electric Company

P.S.C. Electric No. 12, Second Revision of Original Sheet No. 5
 Canceling P.S.C. Electric No. 12, First Revision of Original Sheet No. 5

Fackler

Standard Rate

RS
Residential Service

APPLICABLE

In all territory served.

AVAILABILITY

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

RATE

Basic Service Charge per day:	\$0.45			
Plus an Energy Charge per kWh:	Infrastructure	Variable	Total	
	\$0.06072	\$0.03126	\$0.09198	R/R

"Variable" shall be the rate comprised of costs, such as fuel, that fluctuate with the production of energy used by customers.

"Infrastructure" shall be the rate comprised of costs associated with meeting system demand that do not fluctuate directly with energy usage as well as the portion of fixed customer-related expenses not recovered in the Basic Service Charge.

ADJUSTMENT CLAUSES

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

Demand-Side Management Cost Recovery Mechanism	Sheet No. 86
Fuel Adjustment Clause	Sheet No. 85
Off-System Sales Adjustment Clause	Sheet No. 88
Environmental Cost Recovery Surcharge	Sheet No. 87
Home Energy Assistance Program	Sheet No. 92
Franchise Fee	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. 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.

Beginning May 1, 2019, Residential Service Customers in good standing by not having been assessed a Late Payment Charge for the previous eleven (11) months have the option of waiving one (1) late payment charge upon request. This option may only be used once every twelve (12) months as long as the Customer remains in good standing.

TERMS AND CONDITIONS

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

DATE OF ISSUE: March 22, 2021

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 On and After September 1, 2021

ISSUED BY: /s/ Robert M. Conroy, Vice President
 State Regulation and Rates
 Louisville, Kentucky

**Issued by Authority of an Order of the
 Public Service Commission in Case No.
 2021-00056 dated XXXX**

Louisville Gas and Electric Company

P.S.C. Electric No. 12, Second Revision of Original Sheet No. 6
 Canceling P.S.C. Electric No. 12, First Revision of Original Sheet No. 6

Fackler

Standard Rate

**RTOD-Energy
 Residential Time-of-Day Energy Service**

APPLICABLE

In the territory served.

AVAILABILITY

Available as an option to Customers otherwise served under Rate RS.

1. Service under this rate schedule is limited to a maximum of five hundred (500) Customers taking service on Rates RTOD-Energy and RTOD-Demand combined that are eligible for Rate RS. Company will accept Customers on a first-come-first-served basis.
2. This service is also available to Customers on Rate GS (where the Rate GS service is used in conjunction with a Rate RS service to provide service to a detached garage and energy usage is no more than 300 kWh per month) who demonstrate power delivered to such detached garage is consumed, in part, for the powering of low emission vehicles licensed for operation on public streets or highways. Such vehicles include:
 - a) battery electric vehicles or plug-in hybrid electric vehicles recharged through a charging outlet at Customer's premises,
 - b) natural gas vehicles refueled through an electric-powered refueling appliance at Customer's premises.
3. A Customer electing to take service under this rate schedule who subsequently elects to take service under Rate RS may not be allowed to return to this optional rate for twelve (12) months from the date of exiting this rate schedule.

RATE

Basic Service Charge per day:	\$0.45			
Plus an Energy Charge per kWh:	Infrastructure	Variable	Total	
Off-Peak Hours:	\$0.03874	\$0.03126	\$0.07000	R/R
On-Peak Hours:	\$0.17302	\$0.03126	\$0.20428	R/R

"Variable" shall be the rate comprised of costs, such as fuel, that fluctuate with the production of energy used by customers.

"Infrastructure" shall be the rate comprised of costs associated with meeting system demand that do not fluctuate directly with energy usage as well as the portion of fixed customer-related expenses not recovered in the Basic Service Charge.

ADJUSTMENT CLAUSES

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

Demand Side Management Cost Recovery Mechanism	Sheet No. 86
Fuel Adjustment Clause	Sheet No. 85
Off-System Sales Adjustment Clause	Sheet No. 88
Environmental Cost Recovery Surcharge	Sheet No. 87
Home Energy Assistance Program	Sheet No. 92
Franchise Fee	Sheet No. 90
School Tax	Sheet No. 91

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 On and After September 1, 2021

ISSUED BY: /s/ Robert M. Conroy, Vice President
 State Regulation and Rates
 Louisville, Kentucky

**Issued by Authority of an Order of the
 Public Service Commission in Case No.
 2021-00056 dated XXXX**

Louisville Gas and Electric Company

P.S.C. Electric No. 12, Second Revision of Original Sheet No. 7
 Canceling P.S.C. Electric No. 12, First Revision of Original Sheet No. 7

Fackler

Standard Rate**RTOD-Demand****Residential Time-of-Day Demand Service****APPLICABLE**

In the territory served.

AVAILABILITY

Available as an option to customers otherwise served under Rate RS.

1. Service under this rate schedule is limited to a maximum of five hundred (500) Customers taking service on Rates RTOD-Demand and RTOD-Energy combined that are eligible for Rate RS. Company will accept Customers on a first-come-first-served basis.
2. This service is also available to Customers on Standard Rate GS (where the Rate GS service is used in conjunction with a Rate RS service to provide service to a detached garage and energy usage is no more than 300 kWh per month) who demonstrate power delivered to such detached garage is consumed, in part, for the powering of low emission vehicles licensed for operation on public streets or highways. Such vehicles include:
 - a. battery electric vehicles or plug-in hybrid electric vehicles recharged through a charging outlet at Customer's premises,
 - b. natural gas vehicles refueled through an electric-powered refueling appliance at Customer's premises.
3. A Customer electing to take service under this rate schedule who subsequently elects to take service under Rate RS may not be allowed to return to this optional rate for twelve (12) months from the date of exiting this rate schedule.

RATE

Basic Service Charge per day:	\$0.45			
Plus an Energy Charge per kWh:	Infrastructure	Variable	Total	
	\$0.02095	\$0.03126	\$0.05221	R/R
Plus a Demand Charge per kW:				
Base Hours:	\$ 3.48			
Peak Hours:	\$ 7.62			

"Variable" shall be the rate comprised of costs, such as fuel, that fluctuate with the production of energy used by customers.

"Infrastructure" shall be the rate comprised of costs associated with meeting system demand that do not fluctuate directly with energy usage as well as the portion of fixed customer-related expenses not recovered in the Basic Service Charge.

ADJUSTMENT CLAUSES

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

Demand Side Management Cost Recovery Mechanism	Sheet No. 86
Fuel Adjustment Clause	Sheet No. 85
Off-System Sales Adjustment Clause	Sheet No. 88
Environmental Cost Recovery Surcharge	Sheet No. 87
Home Energy Assistance Program	Sheet No. 92
Franchise Fee	Sheet No. 90
School Tax	Sheet No. 91

DATE OF ISSUE: March 22, 2021**DATE EFFECTIVE:** With Bills Rendered
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Louisville, Kentucky

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P.S.C. Electric No. 12, Second Revision of Original Sheet No. 9
 Canceling P.S.C. Electric No. 12, First Revision of Original Sheet No. 9

Fackler

Standard Rate**VFD****Volunteer Fire Department Service****APPLICABLE**

In all territory served.

AVAILABILITY

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 Customer with 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 per day:	\$0.45			
Plus an Energy Charge per kWh:	Infrastructure	Variable	Total	
	\$0.06072	\$0.03126	\$0.09198	R/R

"Variable" shall be the rate comprised of costs, such as fuel, that fluctuate with the production of energy used by customers.

"Infrastructure" shall be the rate comprised of costs associated with meeting system demand that do not fluctuate directly with energy usage as well as the portion of fixed customer-related expenses not recovered in the Basic Service Charge.

ADJUSTMENT CLAUSES

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

Demand-Side Management Cost Recovery Mechanism	Sheet No. 86
Fuel Adjustment Clause	Sheet No. 85
Off-System Sales Adjustment Clause	Sheet No. 88
Environmental Cost Recovery Surcharge	Sheet No. 87
Franchise Fee	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.

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Louisville Gas and Electric Company

P.S.C. Electric No. 12, Second Revision of Original Sheet No. 15
 Canceling P.S.C. Electric No. 12, First Revision of Original Sheet No. 15

Fackler

Standard Rate

PS
Power Service

APPLICABLE

In all territory served.

AVAILABILITY

Available for secondary or primary service and limited to Customers whose twelve (12)-month-average monthly minimum secondary loads exceed 50 kW and whose twelve (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 day:	\$2.96	\$7.89	
Plus an Energy Charge per kWh:	\$0.03361	\$0.03279	R/R
Plus a Demand Charge per kW:			
Summer Rate:			
(Five Billing Periods of May through September)	\$24.06	\$21.13	
Winter Rate:			
(All other months)	\$21.19	\$18.40	

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 measured load in the preceding eleven (11) monthly billing periods, or
- c. if applicable, a minimum of 60% of the contract capacity based on the maximum load expected on the system or on facilities specified by Customer.

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Louisville Gas and Electric Company

P.S.C. Electric No. 12, Second Revision of Original Sheet No. 20
 Canceling P.S.C. Electric No. 12, First Revision of Original Sheet No. 20

Fackler

Standard Rate**TODS****Time-of-Day Secondary Service****APPLICABLE**

In all territory served.

AVAILABILITY

Available for secondary service to Customers whose twelve (12)-month-average monthly minimum loads exceed 250 kVA and whose twelve (12)-month-average monthly maximum loads do not exceed 5,000 kVA.

RATE

Basic Service Charge per day: \$ 6.58

Plus an Energy Charge per kWh: \$ 0.02733

R

Plus a Maximum Load Charge per kVA:

Peak Demand Period: \$ 9.89

Intermediate Demand Period: \$ 7.63

Base Demand Period: \$ 2.30

Where:

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

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

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

1. the maximum measured load in the current billing period but not less than 250 kVA, or
2. the highest measured load in the preceding eleven (11) monthly billing periods, or
3. the contract capacity based on the maximum load expected on the system or on facilities specified by Customer.

ADJUSTMENT CLAUSES

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

Demand-Side Management Cost Recovery Mechanism	Sheet No. 86
Fuel Adjustment Clause	Sheet No. 85
Off-System Sales Adjustment Clause	Sheet No. 88
Environmental Cost Recovery Surcharge	Sheet No. 87
Franchise Fee	Sheet No. 90
School Tax	Sheet No. 91

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Louisville Gas and Electric Company

P.S.C. Electric No. 12, Second Revision of Original Sheet No. 22
 Canceling P.S.C. Electric No. 12, First Revision of Original Sheet No. 22

Fackler

Standard Rate**TODP****Time-of-Day Primary Service****APPLICABLE**

In all territory served.

AVAILABILITY

Available for primary service to Customers whose twelve (12)-month-average monthly minimum demands exceeding 250 kVA, and whose new or additional load receives any required approval of Company's transmission operator.

RATE

Basic Service Charge per day: \$ 10.84

Plus an Energy Charge per kWh: \$ 0.02664

R

Plus a Maximum Load Charge per kVA:

Peak Demand Period: \$ 9.32

Intermediate Demand Period: \$ 7.15

Base Demand Period: \$ 2.34

Where:

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

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

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

1. the maximum measured load in the current billing period but not less than 250 kVA, or
2. the highest measured load in the preceding eleven (11) monthly billing periods, or
3. the contract capacity based on the maximum load expected on the system or on facilities specified by Customer.

ADJUSTMENT CLAUSES

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

Demand-Side Management Cost Recovery Mechanism	Sheet No. 86
Fuel Adjustment Clause	Sheet No. 85
Off-System Sales Adjustment Clause	Sheet No. 88
Environmental Cost Recovery Surcharge	Sheet No. 87
Franchise Fee	Sheet No. 90
School Tax	Sheet No. 91

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Louisville Gas and Electric Company

P.S.C. Electric No. 12, Second Revision of Original Sheet No. 25
 Canceling P.S.C. Electric No. 12, First Revision of Original Sheet No. 25

Fackler

Standard Rate**RTS****Retail Transmission Service****APPLICABLE**

In all territory served.

AVAILABILITY

Available for transmission service to any Customer: (1) who has a twelve (12)-month-average monthly minimum demand exceeding 250 kVA; and (2) whose new or additional load receives any required approval of Company's transmission operator.

RATE

Basic Service Charge per day: \$ 49.28

Plus an Energy Charge per kWh: \$ 0.02625 R

Plus a Maximum Load Charge per kVA:

Peak Demand Period: \$ 9.27

Intermediate Demand Period: \$ 7.11

Base Demand Period: \$ 0.90

Where:

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

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

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

1. the maximum measured load in the current billing period but not less than 250 kVA, or
2. the highest measured load in the preceding eleven (11) monthly billing periods, or
3. the contract capacity based on the maximum load expected on the system or on facilities specified by Customer.

ADJUSTMENT CLAUSES

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

Demand-Side Management Cost Recovery Mechanism	Sheet No. 86
Fuel Adjustment Clause	Sheet No. 85
Off-System Sales Adjustment Clause	Sheet No. 88
Environmental Cost Recovery Surcharge	Sheet No. 87
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Louisville Gas and Electric Company

P.S.C. Electric No. 12, Second Revision of Original Sheet No. 30
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Fackler

Standard Rate**FLS****Fluctuating Load Service****APPLICABLE**

In all territory served.

AVAILABILITY

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 Rate 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 rate schedule as of July 1, 2004.

BASE RATE

	<u>Primary</u>	<u>Transmission</u>	
Basic Service Charge per day:	\$ 10.84	\$ 49.28	
Plus an Energy Charge per kWh:	\$0.02664	\$ 0.02625	R/R
Plus a Maximum Load Charge per kVA:			
Peak Demand Period:	\$ 8.90	\$ 8.84	
Intermediate Demand Period:	\$ 6.78	\$ 6.73	
Base Demand Period:	\$ 2.22	\$ 0.78	

Where:

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

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

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

1. the maximum measured load in the current billing period but not less than 20,000 kVA, or
2. the highest measured load in the preceding eleven (11) monthly billing periods, or
3. the contract capacity based on the maximum load expected on the system or on facilities specified by Customer.

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P.S.C. Electric No. 12, First Revision of Original Sheet No. 35

Fackler

Canceling P.S.C. Electric No. 12, Original Sheet No. 35

Standard Rate**LS
Lighting Service****APPLICABLE**

In all territory served.

AVAILABILITY

Available under the conditions set out hereinafter for lighting applications such as, but not limited to, the illumination of streets, 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.

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).

RATE

Rate Code	Type of Fixture	Lumen Range	kW Per Light	Monthly Charge Fixture Only	
Light Emitting Diode (LED)					
490	Cobra Head	5,500-8,200	0.071	\$ 9.35	R
491	Cobra Head	13,000-16,500	0.122	11.33	R
492	Cobra Head	22,000-29,000	0.194	13.25	R
493	Open Bottom	4,500-6,000	0.048	8.51	R
LC1	Cobra Head	2,500-4,000	0.022	8.12	R
LF1	Directional (Flood)	4,500-6,000	0.030	10.85	R
LF2	Directional (Flood)	14,000-17,500	0.090	12.63	R
LF3	Directional (Flood)	22,000-28,000	0.175	14.93	R
LF4	Directional (Flood)	35,000-50,000	0.297	21.34	R

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P.S.C. Electric No. 12, First Revision of Original Sheet No. 35.1

Fackler

Canceling P.S.C. Electric No. 12, Original Sheet No. 35.1

Standard Rate**LS****Lighting Service****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	Lumens Range	kW Per Light	Fixture Charge	
Light Emitting Diode (LED)					
LC2	Cobra Head	2,500-4,000	0.022	\$3.81	R
496	Cobra Head	5,500-8,200	0.071	\$5.03	R
497	Cobra Head	13,000-16,500	0.122	\$7.01	R
498	Cobra Head	22,000-29,000	0.194	\$10.11	R
499	Colonial, 4-Sided	4,000-7,000	0.044	\$7.03	R
LA1	Acorn	4,000-7,000	0.040	\$6.53	R
LN1	Contemporary	4,000-7,000	0.057	\$6.53	R
LN2	Contemporary	8,000-11,000	0.087	\$7.63	R
LN3	Contemporary	13,500-16,500	0.143	\$9.30	R
LN4	Contemporary	21,000-28,000	0.220	\$13.49	R
LN5	Contemporary	45,000-50,000	0.380	\$20.39	R
LF5	Directional (Flood)	4,500-6,000	0.030	\$7.60	R
LF6	Directional (Flood)	14,000-17,500	0.096	\$9.37	R
LF7	Directional (Flood)	22,000-28,000	0.175	\$11.68	R
LF8	Directional (Flood)	35,000-50,000	0.297	\$18.09	R

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P.S.C. Electric No. 12, Second Revision of Original Sheet No. 35.2
 Canceling P.S.C. Electric No. 12, First Revision of Original Sheet No. 35.2

Fackler

Standard Rate

LS
Lighting Service

RATE (continued)

Rate Code	Type of Fixture	Lumen Range	kW Per Light	Monthly Charge	
High Pressure Sodium					
427	London*	5,800	0.083	\$38.16	R
429	London*	9,500	0.117	\$38.12	R
431	Victorian*	5,800	0.083	\$35.85	R
433	Victorian*	9,500	0.177	\$40.20	R

Units marked with an asterisk (*) are non-LED offerings.

Colonial and Acorn "Post Top" lights must include one of two pole options, a Decorative Smooth pole or a Historic Fluted pole. Underground fed Cobra LEDs must include a Cobra pole charge. Underground fed Contemporary LEDs must include a short Contemporary pole charge or a tall Contemporary pole charge. The Underground fed Directional (Flood) LEDs must include a Cobra or Contemporary pole charge.

Pole Charges

Rate Code	Pole Type	Monthly Pole Charge
PL1	Cobra	\$30.04
PL2	Contemporary (Short)	\$14.49
PL3	Contemporary (Tall)	\$21.26
PL4	Post Top – Decorative Smooth	\$14.29
PL5	Post Top – Historic Fluted	\$19.88

CONVERSION FEE

Customer will be required to pay a monthly conversion fee for 60 months if Customer requests to change current functioning non-LED fixture to an LED fixture. This conversion fee represents the remaining book value of the current working non-LED fixture.

Conversion Fee: \$ 7.37 per month for 60 months

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P.S.C. Electric No. 12, Second Revision of Original Sheet No. 36
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Fackler

Standard Rate

RLS

Restricted Lighting Service

APPLICABLE

In all territory served.

AVAILABILITY

Availability is restricted to those lighting fixtures/poles in service as of January 1, 2013, except where a spot replacement maintains the continuity of multiple fixtures/poles in a neighborhood lighting system or continuity is desired for a subdivision being developed in phases. 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. Spot replacements will not be available for Mercury Vapor and Incandescent rate codes.

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.

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 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	\$10.86			R
203	Cobra Head	13,000	0.298	12.29			R
204	Cobra Head	25,000	0.462	15.02			R
209	Cobra Head	60,000*	1.180	30.27			R
207	Directional	25,000	0.462	\$17.10			R
210	Directional	60,000*	1.180	31.49			R
201	Open Bottom	4,000	0.100	\$ 9.45			R
Metal Halide							
470/471	Directional	12,000	0.150	\$14.93	\$17.62		R/R
474/475	Directional	32,000*	0.350		22.87	\$30.36	R/R
476/477	Directional	107,800*	1.080	42.89	46.10		R/R
473	Directional	32,000*	0.350	20.57			R

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P.S.C. Electric No. 12, Second Revision of Original Sheet No. 36.1
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Fackler

Standard Rate**RLS****Restricted Lighting Service**

RATE (continued)		Approximate Lumens	kW Per Light	Monthly Charge			
Rate Code	Type of Fixture			Fixture Only	Fixture & Wood Pole	Fixture & Orn. Pole	
High Pressure Sodium							
452	Cobra Head	16,000	0.181	\$14.44			R
453	Cobra Head	28,500	0.294	16.79			R
454	Cobra Head	50,000*	0.471	19.09			R
455	Directional	16,000	0.181	\$15.40			R
456	Directional	50,000*	0.471	19.92			R
457	Open Bottom	9,500	0.117	\$12.84			R
Wood Pole							
958	Installed Before 3/1/2010			\$11.35			
900	Installed Before 7/1/2004			2.16			

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		Approximate Lumens	kW Per Light	Monthly Charge		
Rate Code	Type of Fixture			Fixture Only	Decorative Smooth	
High Pressure Sodium						
275	Cobra/Contemporary	16,000	0.181		\$27.68	R
266	Cobra/Contemporary	28,500	0.294		30.34	R
267	Cobra Contemporary	50,000*	0.471		34.56	R
276	Coach/Acorn	5,800	0.083		16.83	R
274	Coach/Acorn	9,500	0.117		19.98	R
277	Coach/Acorn	16,000	0.181		24.38	R
279/278	Contemporary	120,000*	1.000	\$47.16	78.37	R/R
417	Acorn, Bronze	9,500	0.117		26.97	R
419	Acorn, Bronze	16,000	0.180		28.16	R
280	Victorian	5,800	0.083	\$22.84		R
281	Victorian	9,500	0.117	23.27		R
282	London	5,800	0.083	22.45		R
283	London	9,500	0.117	23.78		R
426	London	5,800	0.083		\$36.14	R
428	London	9,500	0.117		37.01	R
430	Victorian	5,800	0.083		35.16	R
432	Victorian	9,500	0.117		37.26	R

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Fackler

Standard Rate

RLS

Restricted Lighting Service

UNDERGROUND SERVICE (continued)**RATE****Monthly Charge**

Rate Code	Type of Fixture	Approximate Lumens	kW Per Light	Fixture Only	Decorative Smooth	
High Pressure Sodium (continued)						
412	Colonial, 4-Sided	5,800	0.083		\$22.33	R
413	Colonial, 4-Sided	9,500	0.117		23.02	R
444	Colonial, 4-Sided	16,000	0.181		22.91	R
415	Acorn	5,800	0.083		22.73	R
416	Acorn	9,500	0.117		25.15	R
445	Acorn	16,000	0.181		24.91	R
400	Dark Sky	4,000	0.060		26.55	R
401	Dark Sky	9,500	0.117		26.92	R
423	Cobra Head	16,000	0.181		29.21	R
424	Cobra Head	28,500	0.294		31.50	R
425	Cobra Head	50,000*	0.471		37.32	R
439/420	Contemporary	16,000	0.181	\$18.08	32.92	R/R
440/421	Contemporary	28,500*	0.294	20.01	35.48	R/R
441/422	Contemporary	50,000*	0.471	24.04	41.13	R/R
Mercury Vapor						
318	Cobra Head	8,000	0.210		\$18.91	R
314	Cobra Head	13,000	0.298		21.28	R
315	Cobra Head	25,000	0.462		24.72	R
206	Coach	4,000	0.100		13.89	R
208	Coach	8,000	0.210		15.65	R
Metal Halide						
479/480	Contemporary	12,000	0.150	\$16.55	\$27.09	R/R
483/484	Contemporary	107,800*	1.080	45.88	57.00	R/R
481/482	Contemporary	32,000*	0.350	22.36	33.51	R/R
Incandescent						
349	Continental Jr.	1,500	0.102		\$ 9.93	R
348	Continental Jr.	6,000	0.447		14.06	R
Victorian/London Bases						
950	Old Town				\$ 3.63	
951	Chesapeake				3.84	
956	Victorian/London (Westchester/Norfolk)				3.72	
Poles						
901	10' Smooth Pole				\$10.85	
902	10' Fluted Pole				12.95	

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.

DATE OF ISSUE: March 22, 2021

DATE EFFECTIVE: With Bills Rendered
On and After September 1, 2021

ISSUED BY: /s/ Robert M. Conroy, Vice President
State Regulation and Rates
Louisville, Kentucky

**Issued by Authority of an Order of the
Public Service Commission in Case No.
2021-00056 dated XXXX**

Louisville Gas and Electric Company

P.S.C. Electric No. 12, Second Revision of Original Sheet No. 37
 Canceling P.S.C. Electric No. 12, First Revision of Original Sheet No. 37

Fackler

Standard Rate

LE

Lighting Energy Service

APPLICABLE

In all territory served.

AVAILABILITY

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

\$0.06961 per kWh

R

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
Off-System Sales Adjustment Clause	Sheet No. 88
Environmental Cost Recovery Surcharge	Sheet No. 87
Franchise Fee	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.

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 Louisville, Kentucky

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

P.S.C. Electric No. 12, Second Revision of Original Sheet No. 38
 Canceling P.S.C. Electric No. 12, First Revision of Original Sheet No. 38

Fackler

Standard Rate

TE
 Traffic Energy Service

APPLICABLE

In all territory served.

AVAILABILITY

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, but not limited to, signals, cameras, or other traffic lights, electronic communication devices, emergency sirens, and gunshot triangulation devices.

RATE

Basic Service Charge per day: \$0.13 per delivery point

Plus an Energy Charge per kWh:

\$0.08324

R

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
Off-System Sales Adjustment Clause	Sheet No. 88
Environmental Cost Recovery Surcharge	Sheet No. 87
Franchise Fee	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.

CONDITIONS OF SERVICE

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 size and characteristics of the load, or on meter readings obtained from a similar installation.

DATE OF ISSUE: March 22, 2021

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 State Regulation and Rates
 Louisville, Kentucky

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

P.S.C. Electric No. 12, Second Revision of Original Sheet No. 81
 Canceling P.S.C. Electric No. 12, First Revision of Original Sheet No. 81

Fackler

Standard Rate Pilot

OSL

Outdoor Sports Lighting Service

APPLICABLE

In all territory served.

AVAILABILITY

Available as an optional pilot program for secondary and primary service used by a Customer for lighting specifically designed for outdoor fields which are normally used for organized competitive sports. Service under this rate schedule is limited to a maximum of twenty Customers. Company will accept Customers on a first-come-first-served basis.

RATE

Basic Service Charge per day:	Secondary \$ 2.96	Primary \$ 7.89	
Plus an Energy Charge per kWh of:	\$ 0.03361	\$ 0.03279	R/R
Plus a Maximum Load Charge per kW of:			
Peak Demand Period	\$ 26.57	\$ 19.71	
Base Demand Period	\$ 3.44	\$ 2.34	

Where:

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

1. the maximum measured load in the billing period, or
2. a minimum of 50% of the highest billing demand in the preceding eleven (11) monthly billing periods.

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

1. the maximum measured load in the billing period, or
2. the highest measured load in the preceding eleven (11) monthly billing periods, or
3. if applicable, the contract capacity based on the maximum load expected on the system or on facilities specified by Customer.

ADJUSTMENT CLAUSES

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

Demand-Side Management Cost Recovery Mechanism	Sheet No. 86
Fuel Adjustment Clause	Sheet No. 85
Off-System Sales Adjustment Clause	Sheet No. 88
Environmental Cost Recovery Surcharge	Sheet No. 87
Franchise Fee	Sheet No. 90
School Tax	Sheet No. 91

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Louisville Gas and Electric Company

P.S.C. Electric No. 12, First Revision of Original Sheet No. 85.1

Fackler

Canceling P.S.C. Electric No. 12, 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 October 2020 and the base fuel factor is \$0.02348 per kWh. T/R
7. Current (m) period shall be the second month preceding the month in which the Fuel Clause Adjustment Factor is billed.

DATE OF ISSUE: March 22, 2021**DATE EFFECTIVE:** With Service Rendered
On and After September 1, 2021**ISSUED BY:** /s/ Robert M. Conroy, Vice President
State Regulation and Rates
Louisville, Kentucky**Issued by Authority of an Order of the
Public Service Commission in Case No.
2021-00056 dated XXXX**

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated March 4, 2021**

Case No. 2021-00056

Question No. 28

Responding Witness: Stuart A. Wilson

Q-28. For the years ending October 31, 2019, and October 31, 2020, provide:

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

A-28.

Year Ending	(a) LG&E Maximum Annual System Demand (MW)	(b) LG&E Average Annual Demand ⁴ (MW)
October 31, 2019	2,609	1,427
October 31, 2020	2,505	1,343

⁴ 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
Dated March 4, 2021**

Case No. 2021-00056

Question No. 29

Responding Witness: Andrea M. Fackler

Q-29.

- a. Provide a schedule of the calculation of the 12-month average line loss by month for November 2018 through October 2020.
- b. Describe the actions that LG&E has taken to reduce line loss during this period.

A-29.

- a. See attached.
- b. LG&E's transmission and distribution systems are constantly being expanded and upgraded to provide reliable electric service. All enhancements contribute to a system that will operate with potentially fewer line losses. New line construction and transformer additions provide facilities which may reduce the current in existing facilities, thus allowing power the path of least resistance. Replacing existing conductors with large conductors or replacing existing transformers with larger transformers also reduce 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 2018 to October 2020

Line	Month	12 Months to Date kWh Sources	12 Months to Date Overall System Losses	12 Months End Percent Losses	Current Month kWh Sources	Current Month Calculated System Losses (kWh)
a	b	c	d	e (f / e)	f	g (e * f)
1	Nov-18	12,662,876,000	550,526,189	4.35%	918,834,000	39,969,279
2	Dec-18	12,629,092,000	540,645,840	4.28%	971,645,000	41,586,406
3	Jan-19	12,581,595,000	548,961,456	4.36%	1,036,271,000	45,181,416
4	Feb-19	12,595,883,000	550,589,914	4.37%	884,744,000	38,663,313
5	Mar-19	12,591,432,000	555,951,199	4.42%	928,801,000	41,053,004
6	Apr-19	12,578,963,000	556,976,638	4.43%	846,252,000	37,488,964
7	May-19	12,469,679,000	553,717,168	4.44%	1,020,025,000	45,289,110
8	Jun-19	12,330,339,000	574,499,589	4.66%	1,070,740,000	49,896,484
9	Jul-19	12,356,377,000	539,268,031	4.36%	1,313,351,000	57,262,104
10	Aug-19	12,338,250,000	543,578,959	4.41%	1,268,156,294	55,925,693
11	Sep-19	12,417,947,680	589,833,954	4.75%	1,179,421,071	56,022,501
12	Oct-19	12,348,991,244	593,951,941	4.81%	910,695,155	43,804,437
13	Nov-19	12,324,715,885	606,392,641	4.92%	894,560,507	44,012,377
14	Dec-19	12,297,761,258	619,666,212	5.04%	944,690,373	47,612,395
15	Jan-20	12,227,202,490	603,958,338	4.94%	965,713,232	47,706,234
16	Feb-20	12,246,707,378	600,938,004	4.91%	904,250,888	44,398,719
17	Mar-20	12,177,281,574	599,373,578	4.92%	859,377,580	42,281,377
18	Apr-20	12,088,969,208	589,554,576	4.88%	757,946,078	36,987,769
19	May-20	11,934,662,247	576,047,878	4.83%	865,719,039	41,814,230
20	Jun-20	11,957,735,535	542,388,477	4.54%	1,093,814,137	49,659,162
21	Jul-20	11,973,959,974	596,603,439	4.98%	1,329,580,439	66,213,106
22	Aug-20	11,874,281,869	621,063,350	5.23%	1,168,507,560	61,112,945
23	Sep-20	11,671,549,920	563,126,403	4.82%	976,693,118	47,076,608
24	Oct-20	11,600,755,058	540,605,335	4.66%	839,900,849	39,139,380

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated March 4, 2021**

Case No. 2021-00056

Question No. 30

Responding Witness: Delbert Billiter / Stuart A. Wilson

Q-30. Provide the most recent projected fuel requirements for the years 2021 and 2022 in tons for coal, MMBtu for natural gas, and dollars.

A-30. Projected coal purchases in LG&E's 2021 Business Plan:

	<u>Tons</u>	<u>Dollars</u>
2021	5,264,313	\$239,013,087
2022	5,583,701	\$256,799,294

Projected natural gas purchases in LG&E's 2021 Business Plan:

	<u>MMBtu</u>	<u>Dollars</u>
2021	13,541,000	\$49,846,749
2022	13,802,721	\$48,201,442

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated March 4, 2021**

Case No. 2021-00056

Question No. 31

Responding Witness: Andrea M. Fackler / Stuart A. Wilson

Q-31. Provide the most recent sales projections for the years 2021 and 2022 in kWh and dollars.

A-31. Projected sales to ultimate consumers in LG&E's 2021 Business Plan:

	Sales (kWh)	Dollars
2021	11,281,321,000	\$1,091,662,591
2022	11,395,090,000	\$1,099,868,065

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated March 4, 2021**

Case No. 2021-00056

Question No. 32

Responding Witness: Stuart A. Wilson

- Q-32. Provide the planned maintenance schedule for each of the generating units for the years 2021 and 2022.
- A-32. See attached. The information requested is being provided pursuant to a Petition for Confidential Treatment.

The entire attachment is
Confidential and
provided separately
under seal.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated March 4, 2021**

Case No. 2021-00056

Question No. 33

Responding Witness: Delbert Billiter / Charles R. Schram / Andrea M. Fackler

Q-33. Identify any issues that could affect fuel costs for the two-year period that remain unresolved or unsettled. Include in the response any issues related to billings from a regional transmission operator. Consider this a continuing request to inform the Commission if LG&E becomes aware of any issues during the course of this proceeding.

A-33. The Company has no unresolved or unsettled issues to report.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Commission Staff's First Request for Information
Dated March 4, 2021**

Case No. 2021-00056

Question No. 34

Responding Witness: Delbert Billiter

- Q-34. Provide the number of LG&E's coal purchase contracts that included transportation costs and those that did not from November 1, 2018, through October 31, 2020.
- a. Explain how it is determined whether transportation costs will be included in the coal purchase contract.
 - b. When transportation is contracted for separately from the coal contract, explain whether KU issue requests for proposals (RFP) for this service.
 1. If yes, state how often this occurs, how many vendors are included in the RFP, and how is it determined which vendors will receive the RFP.
 2. State whether KU uses or contracts with any related parties for transportation of its coal purchases. If yes, provide the name of the related party and nature of the relationship, the period it has contracted with the party and copies of any contracts with the related party if not previously filed with the Commission.
 - c. Explain in detail KU's policies and procedures for entering into transportation contracts.
- A-34. Many coal suppliers incur transportation costs in the process of mining coal and moving coal from the mine to the processing plant, and from the processing plant to the FOB Delivery Point (typically FOB railcar or FOB barge). However, it is LG&E's interpretation that transportation costs, in the context of this question, refer to transportation costs for the final delivery of the coal to the power generation station from the FOB Delivery Point. Using this interpretation, LG&E had no coal contracts, during the period November 1, 2018 to October 31, 2020, that included transportation costs.
- a. When LG&E solicits the market for coal, it allows suppliers to make proposals at an FOB Delivery Point of the bidder's choosing. When a supplier offers coal

FOB power generation station, LG&E evaluates this proposal against other offers on a delivered costs basis to the power generation station. If the cost of the offer, on a delivered basis, is lower than other options, and the supplier and their transportation provider meet all other criteria, LG&E would select this offer. It is rare for a supplier to offer coal on an FOB power generation station basis.

- b. When more than one transportation vendor is available, LG&E issues an RFP to acquire transportation services. When only one transportation vendor exists, as with Mill Creek Generating Station for rail deliveries, no RFP is performed.
 - 1. The frequency of transportation RFPs varies depending on the term of the existing contracts. LG&E issues RFPs before existing contracts expire to identify the best transportation option ahead of the active contracts' termination date. The number of vendors varies by the services needed, but LG&E includes all transportation vendors capable of providing the needed services to LG&E's power generation stations.
 - 2. LG&E has no transportation contracts with any related party.
- c. LG&E's procedures for entering into transportation contracts is outlined on page 12 of the Corporate Fuels and By-Products Procurement Procedures. The Corporate Fuels and By-Products Procurement Procedures were provided to the Commission in Case No. 2017-00285 in response to Question No. 1-15.