

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

ELECTRONIC EXAMINATION OF THE)
APPLICATION OF THE FUEL ADJUSTMENT)
CLAUSE OF DUKE ENERGY KENTUCKY,) Case No. 2021-00057
INC. FROM NOVEMBER 1, 2018 THROUGH)
OCTOBER 31, 2020)

PETITION OF DUKE ENERGY KENTUCKY, INC.
FOR CONFIDENTIAL TREATMENT OF INFORMATION
CONTAINED IN ITS RESPONSES TO COMMISSION STAFF'S
FIRST SET OF DATA REQUESTS ISSUED MARCH 4, 2021

Duke Energy Kentucky, Inc. (Duke Energy Kentucky or Company), pursuant to 807 KAR 5:001, Section 13, respectfully requests the Commission to classify and protect certain information provided by Duke Energy Kentucky in its responses to Data Request Nos. 11, 30, 31, and 32, as requested by Commission Staff (Staff) in this case on March 4, 2021. The information that Staff seeks through discovery and for which Duke Energy Kentucky now seeks confidential treatment (Confidential Information), shows: internal fuel procurement policies and procedures;¹ the projected total kilowatt hours (kWh) used to calculate base fuel costs;² and sales forecasts in both kWh and dollars;³ and planned future outages and maintenance schedules by plant.⁴

The responses in Data Request Nos. 11, 30, 31, and 32, contain sensitive information, the disclosure of which would injure Duke Energy Kentucky and its

¹ See Data Request No. 11.

² See Data Request No. 30.

³ See Data Request No. 31.

⁴ See Data Request No. 32.

competitive position and business interests. The Company's response to No. 11 includes confidential fuel policies and procedures including, but not limited to, risk tolerances, and the recommended contract term coverage level strategies for Duke Energy Kentucky, Duke Energy Indiana, and the Duke Energy Carolinas. Duke Energy Corporation's Regulated Utilities Group, particularly the Fuels & Systems Optimization and Distributed Energy Resources groups, are responsible for the procurement of coal for the regulated utilities in the Duke Energy Corporate footprint and thus its policies and procedures are all-encompassing. The public disclosure of the information described above would place Duke Energy Kentucky at a commercial disadvantage as it negotiates contracts with various suppliers and vendors and potentially harm Duke Energy Kentucky's competitive position in the marketplace, to the detriment of Duke Energy Kentucky and its customers. Similarly, the list of projected outages and costs, as contained in responses to No. 32, will grant vendors a distinct advantage in that they would be able to anticipate Duke Energy Kentucky's maintenance schedules. If Duke Energy Kentucky's contractors and vendors have access to the number, duration, and causes of outages, it would again give them a distinct advantage in anticipating maintenance schedules. Duke Energy Kentucky's response to No. 30 provides a forecast of projected fuel consumption over the next two years. In response to No. 31, the Company provides a list of projected sales by customer class, including anticipated revenue assuming specific total KWH sales projections as part of its answer. Together, these responses could provide power marketing competitors and fuel vendors with knowledge regarding Duke Energy Kentucky's operating costs and commodity positions. This would allow them to potentially manipulate the marketplace so as to unnecessarily cause consumers to pay more for electricity than they otherwise would.

In support of this Petition, Duke Energy Kentucky states:

1. The Kentucky Open Records Act exempts from disclosure certain commercial information. KRS 61.878(1)(c). To qualify for this exemption and, therefore, maintain the confidentiality of the information, a party must establish that disclosure of the commercial information would permit an unfair advantage to competitors of that party. Public disclosure of the information identified herein would, in fact, prompt such a result for the reasons set forth below.

2. The public disclosure of the information contained in the attachments as the response to No. 11 would make public the coal procurement strategies for all of Duke Energy Corporation's regulated utility operations, and would place Duke Energy Kentucky and its sister utilities at a commercial disadvantage as it negotiates contracts with various suppliers and vendors and potentially harm Duke Energy Kentucky's competitive position in the marketplace, to the detriment of Duke Energy Kentucky and its customers.

3. Likewise, public disclosure of information regarding Duke Energy Kentucky's plant maintenance schedules (response No. 32) would provide critical "downtime" information that would necessarily impair Duke Energy Kentucky's ability to negotiate with prospective contractors and vendors. If Duke Energy Kentucky's prospective contractors and vendors have access to the number, duration, and timing of such outages, it would give them a distinct advantage in anticipating maintenance schedules and plant condition and operating characteristics. This would very likely impair Duke Energy Kentucky's ability to negotiate with prospective contractors and vendors.

4. Similarly, public disclosure of projected forecast demand and sales revenue (response No. 30) would afford Duke Energy Kentucky's competitors a distinct competitive advantage in bidding for and securing new bulk power loads and would give

an obvious advantage to Duke Energy Kentucky's wholesale power purchasers and sellers in any contractual negotiations.

5. The final request is for any proposed changes in base fuel rates. While this information is not confidential, Duke Energy Kentucky's response discloses sensitive and proprietary kWh sales projections for the calendar years 2021 and 2022 (response No. 31). The sales projections should be afforded confidential protections as they are internally-derived figures that would give competitors, marketers and vendors a competitive advantage in any existing or prospective commercial relationship involving Duke Energy Kentucky. Maintaining the confidentiality of the projected kWh sales is necessary to protect the interests of both the Company and its customers.

6. The Confidential Information in response to Nos. 11, 30, 31, and 32 was developed internally by Duke Energy Corporation and Duke Energy Kentucky personnel, is not on file with any public agency, and is not available from any commercial or other source outside of Duke Energy Kentucky. The aforementioned Confidential Information, in all four responses, is distributed within Duke Energy Kentucky, only to those who must have access for business reasons and is generally recognized as confidential and proprietary in the energy industry.

7. The Confidential Information for which Duke Energy Kentucky is seeking confidential treatment is not known outside of Duke Energy Corporation.

8. The Commission has treated the same information described herein as confidential in prior responses to the same data requests provided by Duke Energy Kentucky.⁵

⁵ *In the Matter of Electronic Examination of the Application of the Fuel Adjustment Clause of Duke Energy Kentucky, Inc. from November 1, 2016 Through October 31, 2018*, Order, Case No. 2019-00006 (Ky. P.S.C. January 8, 2020).

9. Duke Energy Kentucky does not object to limited disclosure of the confidential information described herein, pursuant to an acceptable protective agreement, with the Attorney General or other intervenors with a legitimate interest in reviewing the same for the purpose of participating in this case.

10. This information was, and remains, integral to Duke Energy Kentucky's effective execution of business decisions. And such information is generally regarded as confidential or proprietary. Indeed, as the Kentucky Supreme Court has found, "information concerning the inner workings of a corporation is 'generally accepted as confidential or proprietary.'" *Hoy v. Kentucky Industrial Revitalization Authority*, 904 S.W.2d 766, 768 (Ky. 1995).

11. In accordance with the provisions of 807 KAR 5:001, Section 13(3), the Company is filing one copy of the Confidential Information separately under seal, and one copy without the confidential information included.

12. Duke Energy Kentucky respectfully requests that the Confidential Information be withheld from public disclosure for a period of ten years. This will assure that the Confidential Information – if disclosed after that time – will no longer be commercially sensitive so as to likely impair the interests of the Company or its customers if publicly disclosed.

13. To the extent the Confidential information becomes generally available to the public, whether through filings required by other agencies or otherwise, Duke Energy Kentucky will notify the Commission and have its confidential status removed, pursuant to 807 KAR 5:001 Section 13(10)(a).

WHEREFORE, Duke Energy Kentucky, Inc., respectfully requests that the Commission classify and protect as confidential the specific information described herein.

Respectfully submitted,

DUKE ENERGY KENTUCKY, INC.

/s/Rocco D'Ascenzo

Rocco O. D'Ascenzo
Deputy General Counsel
Duke Energy Business Services LLC
139 East Fourth Street, 1303-Main
Cincinnati, Ohio 45201-0960
Phone: (513) 287-4359
Fax: (513) 287-4385
E-mail: rocco.d'ascenzo@duke-energy.com
Counsel for Duke Energy Kentucky, Inc.

CERTIFICATE OF SERVICE

This is to certify that the foregoing electronic filing is a true and accurate copy of the document being filed in paper medium; that the electronic filing was transmitted to the Commission on March 22, 2021; that there are currently no parties that the Commission has excused from participation by electronic means in this proceeding; and the original filing in paper medium will be delivered to the Commission pending further instruction from Case No. 2020-00085.⁶

John G. Horne, II
The Office of the Attorney General
Utility Intervention and Rate Division
700 Capital Avenue, Ste 118
Frankfort, Kentucky 40601

/s/Rocco D'Ascenzo

Rocco D'Ascenzo

⁶ *In the Matter of Electronic Emergency Docket Related to the Novel Coronavirus COVID-19*, Order, Case No. 2020-00085 (Ky. P.S.C. March 16, 2020).

KyPSC Case No. 2021-00057
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**Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021**

STAFF-DR-01-001

REQUEST:

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.

RESPONSE:

For the period under review from May 1, 2020 through October 31, 2020, please see STAFF-DR-01-001 Attachment.

PERSON RESPONSIBLE: Brett Phipps

Duke Energy Kentucky
Case No. 2021-00057 - Staff First Set Data Requests
Coal purchased May 1, 2020 - October 31, 2020

<u>Vendor</u>	<u>Purchase Tonnage</u>	<u>Purchase Type</u>	<u>Contract #</u>	<u>Filed with Commission</u>	<u>If no, Explain why</u>
Alliance Coal LLC	120,639	Contract	DEK32262	1/23/2018	
Forsight Coal Sales	84,352	Contract	DEK32274	4/5/2018	
Alliance Coal LLC	95,839	Contract	DEK33073	2/25/2019	
Knighthawk	154,077	Contract	DEK 33097	2/25/2019	
Central Coal Co	119,460	Contract	DEK33982	2/7/2020	
Total	<u>574,367</u>				
	100%	Contract			
	0%	Spot			
	100%	Total			

Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021

STAFF-DR-01-002

REQUEST:

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.

RESPONSE:

- a. 33097
- b. Knight Hawk Coal LLC
- c. Knight Hawk's Prairie Eagle Mine, IL
- d. Barge
- e. 154,077
- f. \$40.08

- a. 32262
- b. Alliance Coal, LLC
- c. Tunnel Ridge, Ohio County, WV
- d. Barge
- e. 120,639
- f. \$42.68

- a. 33073
- b. Alliance Coal, LLC
- c. Tunnel Ridge, Ohio County, WV
- d. Barge
- e. 95,839
- f. \$46.18

- a. 32274
- b. Foresight Coal Sales, LLC.
- c. Shay Mine, Carlinville, Illinois
- d. Barge
- e. 84,352
- f. \$35.62

- a. 33982
- b. Central Coal Company as agent for Knight Hawk Coal, LLC
- c. Knight Hawk's Prairie Eagle Mine, IL
- d. Barge
- e. 119,460
- f. \$32.46

PERSON RESPONSIBLE: Brett Phipps

Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021

STAFF-DR-01-003

REQUEST:

- 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 reason 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.

RESPONSE:

- a. Duke Energy Kentucky's total aggregate inventory across the system as of October 31, 2020 was 254,161 tons, or 39 days.
- b. The number of days' supply is computed by dividing the ending coal inventory number stated in tons by the Full Load Burn figure of 6,500 tons per day.
- c. The target goal inventory is an annual average of 45 days compared to the actual inventory amount of 39 days on October 2020 for East Bend Station which is the only coal-fired generating station in the Duke Energy Kentucky fleet.

- d. Duke Energy Kentucky's coal inventory did not exceed the inventory target by ten days of supply.
- e. Duke Energy Kentucky does not expect any significant changes in its current coal inventory target within the next 12 months.

PERSON RESPONSIBLE: Brett Phipps

Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021

STAFF-DR-01-004

REQUEST:

List each written coal-supply solicitation issued during the last six months of 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-coal bid not selected, explain why the bid was not selected.

RESPONSE:

- a. Duke Energy Kentucky did not issue a written coal supply solicitation during May 1, 2020 through October 31, 2020.
- b. N/A

PERSON RESPONSIBLE: Brett Phipps

Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021

STAFF-DR-01-005

REQUEST:

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.

RESPONSE:

- a. Duke Energy Kentucky did not issue an oral coal supply solicitation during May 1, 2020 through October 31, 2020.
- b. N/A

PERSON RESPONSIBLE: Brett Phipps

**Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021**

STAFF-DR-01-006

REQUEST:

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 of contract). Provide the percentage of purchases that were spot versus contract.

RESPONSE:

Please see STAFF-DR-01-006 Attachment which lists each vendor from whom natural gas was purchased for the period of May 1, 2020 to October 31, 2020.

PERSON RESPONSIBLE: Brett Phipps

Duke Energy Kentucky - Physical Natural Gas Purchases
May 1, 2020 - October 31, 2020

Spot/Contract	Counterpart	Start Date	End Date	Buy/Sell	Qty	Qty UOM
Spot	Eco Energy Nat Gas	26-May-20	26-May-20	Buy	7,000	MMBtu
Spot	Eco Energy Nat Gas	26-May-20	26-May-20	Buy	20,000	MMBtu
Spot	Spotlight Energy	9-Jun-20	9-Jun-20	Buy	10,000	MMBtu
Spot	Eco Energy Nat Gas	9-Jun-20	9-Jun-20	Buy	15,000	MMBtu
Spot	Eco Energy Nat Gas	10-Jun-20	10-Jun-20	Buy	20,000	MMBtu
Spot	Eco Energy Nat Gas	10-Jun-20	10-Jun-20	Buy	10,000	MMBtu
Spot	Spotlight Energy	10-Jun-20	10-Jun-20	Buy	15,000	MMBtu
Spot	Eco Energy Nat Gas	30-Jun-20	30-Jun-20	Buy	25,000	MMBtu
Spot	Eco Energy Nat Gas	1-Jul-20	1-Jul-20	Buy	13,000	MMBtu
Spot	Eco Energy Nat Gas	1-Jul-20	1-Jul-20	Buy	12,923	MMBtu
Spot	Eco Energy Nat Gas	2-Jul-20	2-Jul-20	Buy	12,952	MMBtu
Spot	TENASKA MARKETING VE	3-Jul-20	3-Jul-20	Buy	8,000	MMBtu
Spot	Eco Energy Nat Gas	6-Jul-20	6-Jul-20	Buy	25,000	MMBtu
Spot	Eco Energy Nat Gas	6-Jul-20	6-Jul-20	Buy	20,000	MMBtu
Spot	Eco Energy Nat Gas	7-Jul-20	7-Jul-20	Buy	25,000	MMBtu
Spot	Eco Energy Nat Gas	7-Jul-20	7-Jul-20	Buy	5,000	MMBtu
Spot	Eco Energy Nat Gas	8-Jul-20	8-Jul-20	Buy	15,000	MMBtu
Spot	Eco Energy Nat Gas	8-Jul-20	8-Jul-20	Buy	25,999	MMBtu
Spot	Eco Energy Nat Gas	9-Jul-20	9-Jul-20	Buy	20,000	MMBtu
Spot	Eco Energy Nat Gas	9-Jul-20	9-Jul-20	Buy	22,000	MMBtu
Spot	Eco Energy Nat Gas	13-Jul-20	13-Jul-20	Buy	18,000	MMBtu
Spot	Eco Energy Nat Gas	15-Jul-20	15-Jul-20	Buy	25,406	MMBtu
Spot	Eco Energy Nat Gas	17-Jul-20	17-Jul-20	Buy	14,000	MMBtu
Spot	Eco Energy Nat Gas	17-Jul-20	17-Jul-20	Buy	25,000	MMBtu
Spot	Eco Energy Nat Gas	18-Jul-20	18-Jul-20	Buy	36,999	MMBtu
Spot	Eco Energy Nat Gas	19-Jul-20	19-Jul-20	Buy	47,000	MMBtu
Spot	Eco Energy Nat Gas	20-Jul-20	20-Jul-20	Buy	12,053	MMBtu
Spot	Eco Energy Nat Gas	21-Jul-20	21-Jul-20	Buy	42,000	MMBtu
Spot	NJR Energy Servic G	21-Jul-20	21-Jul-20	Buy	2,500	MMBtu
Spot	Eco Energy Nat Gas	22-Jul-20	22-Jul-20	Buy	3,000	MMBtu
Spot	Eco Energy Nat Gas	23-Jul-20	23-Jul-20	Buy	18,000	MMBtu
Spot	Eco Energy Nat Gas	24-Jul-20	24-Jul-20	Buy	2,000	MMBtu
Spot	Eco Energy Nat Gas	25-Jul-20	25-Jul-20	Buy	41,000	MMBtu
Spot	Eco Energy Nat Gas	29-Jul-20	29-Jul-20	Buy	44,890	MMBtu
Spot	Eco Energy Nat Gas	27-Jul-20	27-Jul-20	Buy	31,000	MMBtu
Spot	Eco Energy Nat Gas	10-Aug-20	10-Aug-20	Buy	32,000	MMBtu
Spot	Eco Energy Nat Gas	14-Aug-20	14-Aug-20	Buy	10,000	MMBtu
Spot	Eco Energy Nat Gas	18-Aug-20	18-Aug-20	Buy	11,000	MMBtu
Spot	Spotlight Energy	19-Aug-20	19-Aug-20	Buy	8,000	MMBtu
Spot	Spotlight Energy	24-Aug-20	24-Aug-20	Buy	19,716	MMBtu
Spot	TENASKA MARKETING VE	24-Aug-20	24-Aug-20	Buy	15,000	MMBtu
Spot	Eco Energy Nat Gas	8-Sep-20	8-Sep-20	Buy	13,000	MMBtu

Spot	TENASKA MARKETING VE	8-Sep-20	8-Sep-20	Buy	15,000	MMBtu
Spot	TENASKA MARKETING VE	10-Oct-20	10-Oct-20	Buy	45,000	MMBtu
Spot	Eco Energy Nat Gas	10-Oct-20	10-Oct-20	Buy	34,593	MMBtu
Spot	TENASKA MARKETING VE	12-Oct-20	12-Oct-20	Buy	30,000	MMBtu
Spot	Spotlight Energy	12-Oct-20	12-Oct-20	Buy	25,000	MMBtu

Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021

STAFF-DR-01-007

REQUEST:

For the last six months of the period under review, state whether 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.

RESPONSE:

- June 9, 2020: Woodsdale units 3 and 4 were removed from service due to low gas pressure at 19:41 EST after an approximate 5 hour run. Woodsdale 1,2,5, and 6 continued to run until approximately 22:00.
- July 6, 2020: Woodsdale units 1 and 2 were removed from service due to low gas pressure at 16:33 EST after an approximate 6 hour run. Woodsdale units 3-6 continued to run until approximately 20:00.
- July 7, 2020: Woodsdale units 1 and 2 were removed from service due to low gas pressure at 15:58 EST after an approximate 5 hour run. Woodsdale units 3-6 continued to run until approximately 17:00.

PERSON RESPONSIBLE: John Swez

**Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021**

STAFF-DR-01-008

REQUEST:

State whether 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.

RESPONSE:

Coal:

Duke Energy Kentucky does not engage in financial hedging transactions with respect to coal purchases. Duke Energy Kentucky contracts for physical deliveries of coal through fixed term coal transactions within a balanced portfolio of purchases. The Company also maintains a portfolio with multiple suppliers to mitigate potential supply interruption risk.

Natural Gas:

Duke Energy Kentucky does not engage in any financial hedging activity for natural gas purchases used for generation.

PERSON RESPONSIBLE: Brett Phipps

**Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021**

STAFF-DR-01-009

REQUEST:

- a. State whether Duke Kentucky 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 Duke Kentucky took as a result of the audit.

RESPONSE:

Coal

Duke Energy Kentucky has not audited any of its coal or coal transportation contracts during the period of May 1, 2020 through October 31, 2020.

Natural Gas, Natural Gas Transportation, and Fuel Oil

Duke Energy Kentucky has not audited any of its fuel or transportation contracts during the period of May 1, 2020 through October 31, 2020.

PERSON RESPONSIBLE: Brett Phipps

**Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021**

STAFF-DR-01-010

REQUEST:

- a. State whether Duke Kentucky 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 Duke Kentucky;
 - 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.

RESPONSE:

- a. Duke Energy Kentucky is not currently involved in any litigation with its current or former fuel suppliers or transportation vendors.
- b. N/A
- c. N/A

PERSON RESPONSIBLE: Brett Phipps

**Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021**

**PUBLIC STAFF-DR-01-011
(As to Attachments only)**

REQUEST:

- a. For the last six months of the period under review, state whether there have been any changes to Duke Kentucky's written policies and procedures regarding the 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 Duke Kentucky'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.

RESPONSE:

CONFIDENTIAL PROPRIETARY TRADE SECRET (As to Attachments only)

Coal

- a. There have been changes to Duke Energy Kentucky's written policies and procedures regarding its fuel procurement.
- b. The "Regulated Utilities Risk Management Control Manual" was updated January 2018 and the "Regulated Utilities Risk Limits" document was updated January of 2020. Please see STAFF-DR-01-011 Confidential Attachments 1 and 2. Most of

the differences were clean up type items, but the more significant items include: Section III – added to RECs asset optimization including sale or purchase of RECs, Section IV – Propane delete, Prohibited Transactions – Removed circumventing Code of Conduct language as all employees are already bound by Duke’s Code of Conduct, Appendix B – (1) changed “planned” to “scheduled” referring to outages, and (2) added Native purchases may be allowed for forced outages pending KyPSC approval.

- c. The “Commodity Risk Policy” was updated January of 2014. This document was submitted with the Company’s responses to Staff’s requests for information in Case No. 2016-00005. The “Coal and Emissions Reducing Chemicals Procurement Procedure” was updated December of 2016 and was filed on January 20, 2017.

Natural Gas & Fuel Oil

- a. The following procedures remained unchanged during the period under review: Fuels and System Optimization (FSO) DEK Emissions Trading Process & Procedure Check List,” and the “Fuel Oil Emergency Procedure” were updated in May 2015, and June 2015, respectively. These two documents were submitted with the Company’s responses to Staff’s requests for information in Case No. 2017-00005.
- b. The “DEI and DEK Gas Trading Procedure for Off-Premise Transactions” was updated June 2019 and the document was submitted with the Company’s responses to Staff’s requests for information in Case No. 2020-00008.

PERSON RESPONSIBLE: Brett Phipps

**CONFIDENTIAL PROPRIETARY TRADE
SECRET**

**STAFF-DR-01-011 CONFIDENTIAL
ATTACHMENT 1 pdf**

FILED UNDER SEAL

**CONFIDENTIAL PROPRIETARY TRADE
SECRET**

**STAFF-DR-01-011 CONFIDENTIAL
ATTACHMENT 2 pdf**

FILED UNDER SEAL

**Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021**

STAFF-DR-01-012

REQUEST:

For the last six months of the period under review and for the years 2021 and 2022, list all firm power commitments for Duke Kentucky 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).

RESPONSE:

Duke Energy Kentucky had no firm power commitments during this period.

PERSON RESPONSIBLE: John Swez

**Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021**

STAFF-DR-01-013

REQUEST:

Provide a monthly billing summary of sales to all electric utilities for the last six months of the period under review.

RESPONSE:

See STAFF-DR-01-013 Attachment.

PERSON RESPONSIBLE: Libbie S. Miller

DUKE ENERGY KENTUCKY
 POWER TRANSACTION SCHEDULE

Supplier/Buyer		Transaction Type	kWh	Charges (\$)			
				Demand	Fuel	Other	Total
Month Ended May 31, 2020							
PJM Interconnection, LLC		Econ Sales	0	0	0	0	0
	Total Sales		0	0	0	0	0
Month Ended June 30, 2020							
PJM Interconnection, LLC		Econ Sales	11,145,080		266,263	11,251	277,514
	Total Sales		11,145,080	0	266,263	11,251	277,514
Month Ended July 31, 2020							
PJM Interconnection, LLC		Econ Sales	23,099,140		847,368	104,556	951,924
	Total Sales		23,099,140	0	847,368	104,556	951,924
Month Ended August 31, 2020							
PJM Interconnection, LLC		Econ Sales	23,083,730		583,615	(16,907)	566,708
	Total Sales		23,083,730	0	583,615	(16,907)	566,708
Month Ended September 30, 2020							
PJM Interconnection, LLC		Econ Sales	7,575,290		168,036	6,777	174,813
	Total Sales		7,575,290	0	168,036	6,777	174,813
Month Ended October 31, 2020							
PJM Interconnection, LLC		Econ Sales	28,000		1,247	(621)	626
	Total Sales		28,000	0	1,247	(621)	626

Legend
 Econ Sales - Economy Sales

**Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021**

STAFF-DR-01-014

REQUEST:

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 no using a third-party transmission system.

RESPONSE:

- a. Duke Energy Kentucky did not have any intersystem sales during the review period.
- b. N/A

PERSON RESPONSIBLE:

John Swez
Libbie S. Miller

**Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021**

STAFF-DR-01-015

REQUEST:

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.

RESPONSE:

Please see STAFF-DR-01-015 Attachment.

PERSON RESPONSIBLE: Brad Daniel

KY FAC Request
 May 2020 - October 2020

Unit Name	Event Type	Month	Scheduled Hours	Forced Hours	Actual Hours	Event Duration	Event Start	Event End	Description
East Bend 2	PO	May	247.0		247.0	247.0	5/14/20 1:00 AM	5/24/20 8:00 AM	Planned outage for Flue Gas Desulphurization (Scrubber) cleaning
East Bend 2	U1	Jun		27.3	27.3	27.3	6/1/20 5:45 PM	6/2/20 9:00 PM	2-2 Induced Draft Booster Fan Variable Inlet Vane
East Bend 2	U1	Jul		6.7	6.7	6.7	7/25/20 7:18 PM	7/26/20 2:02 AM	High furnace pressure swing from slag fall
East Bend 2	PO	Sep	1514.8		1514.8	1514.8	9/18/20 5:12 PM	11/20/20 7:58 PM	2020 Fall Planned Outage
Woodsdale CT1	MO	Jun	3.0		3.0	3.0	6/11/20 10:00 AM	6/11/20 1:00 PM	STACK INSPECTION
Woodsdale CT1	MO	Jun	4.5		4.5	4.5	6/23/20 7:32 AM	6/23/20 12:01 PM	Stack Repair
Woodsdale CT1	PO	Sep	175.2		175.2	175.2	9/12/20 6:00 AM	9/19/20 1:15 PM	Main NG to plant isolated for modifications
Woodsdale CT1	U1	Sep		209.8	209.8	209.8	9/19/20 1:15 PM	9/28/20 7:00 AM	Unavailable due to Unit 2 stack repairs
Woodsdale CT1	MO	Oct	2.4		2.4	2.4	10/16/20 8:05 AM	10/16/20 10:30 AM	Hose replacement on #1 Bearing
Woodsdale CT2	PO	Sep	156.9		156.9	156.9	9/12/20 6:00 AM	9/18/20 6:55 PM	Main NG to plant isolated for modifications
Woodsdale CT2	U1	Sep		502.3	502.3	502.3	9/18/20 6:55 PM	10/9/20 5:13 PM	Stack repairs
Woodsdale CT2	U1	Oct		1.1	1.1	1.1	10/13/20 9:51 AM	10/13/20 11:00 AM	Took unit offline because of CEMS issue: H2O injection rate exceedance alarm.
Woodsdale CT3	MO	May	34.8		34.8	34.8	5/11/20 6:00 AM	5/12/20 4:49 PM	Troubleshoot Combustor Drain
Woodsdale CT3	SF	Jul		2.1	2.1	2.1	7/3/20 5:12 PM	7/3/20 7:16 PM	Remote start. AVR fault unit did not start.
Woodsdale CT3	MO	Jul	49.1		49.1	49.1	7/23/20 1:00 PM	7/25/20 2:09 PM	Replaced rotor bar piston
Woodsdale CT3	MO	Aug	14.2		14.2	14.2	8/18/20 6:00 AM	8/18/20 8:10 PM	STACK INSPECTION
Woodsdale CT3	PO	Sep	156.9		156.9	156.9	9/12/20 6:00 AM	9/18/20 6:55 PM	Main NG to plant isolated for modifications
Woodsdale CT3	PO	Sep	502.3		502.3	502.3	9/18/20 6:55 PM	10/9/20 5:13 PM	Stack repairs
Woodsdale CT4	MO	May	34.8		34.8	34.8	5/11/20 6:00 AM	5/12/20 4:49 PM	Troubleshoot Combustor Drain
Woodsdale CT4	MO	Jun	1.2		1.2	1.2	6/10/20 9:50 AM	6/10/20 11:03 AM	Made unavailable to change out #2 Blow Off Valve Regulator
Woodsdale CT4	SF	Aug		1.8	1.8	1.8	8/14/20 1:34 PM	8/14/20 3:20 PM	Sync control issue
Woodsdale CT4	PO	Sep	156.9		156.9	156.9	9/12/20 6:00 AM	9/18/20 6:55 PM	Main NG to plant isolated for modifications
Woodsdale CT4	PO	Sep	425.2		425.2	425.2	9/18/20 6:55 PM	10/6/20 12:09 PM	Stack repairs
Woodsdale CT5	MO	Jul	1.0		1.0	1.0	7/23/20 8:20 PM	7/23/20 9:21 PM	Oil leak
Woodsdale CT5	PO	Sep	197.9		197.9	197.9	9/12/20 6:00 AM	9/20/20 11:55 AM	Main NG to plant isolated for modifications
Woodsdale CT6	MO	Jul	1.4		1.4	1.4	7/16/20 7:55 AM	7/16/20 9:21 AM	Replaced jacking oil motor
Woodsdale CT6	PO	Sep	197.5		197.5	197.5	9/12/20 6:00 AM	9/20/20 11:28 AM	Main NG to plant isolated for modifications

Event Type Legend:

- PO Planned Outage
- PE Planned Outage Extension
- MO Maintenance Outage
- ME Maintenance Outage Extension
- U1 Unplanned (Forced) Outage – Immediate
- U2 Unplanned (Forced) Outage – Delayed
- U3 Unplanned (Forced) Outage – Postponed
- SF Startup Failure

**Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021**

STAFF-DR-01-016

REQUEST:

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

RESPONSE:

East Bend

<u>Month</u>	<u>Net MWH</u>	<u>Period Hours</u>	<u>MW Rating</u>	<u>MW Hours</u>	<u>Net Capacity Factor</u>
May 2020	(4,539)	744	600	446,400	-1.02%
June 2020	281,025	720	600	432,000	65.05%
July 2020	370,132	744	600	446,400	82.91%
August 2020	379,480	744	600	446,400	85.01%
September 2020	189,993	720	600	432,000	43.98%
October 2020	(3,672)	744	600	446,400	-0.82%
Total	1,212,419	4,416	600	2,649,600	45.76%

Total Period - Woodsdale

<u>Woodsdale Station</u>	<u>Net MWH</u>	<u>Period Hours</u>	<u>MW Rating</u>	<u>MW Hours</u>	<u>Net Capacity Factor</u>
Unit 1	7,165	4,416	80.67	356,352	2.01%
Unit 2	7,797	4,416	82.00	362,208	2.15%
Unit 3	7,519	4,416	82.00	362,208	2.08%
Unit 4	8,033	4,416	80.67	356,352	2.25%
Unit 5	8,807	4,416	82.00	362,208	2.43%
Unit 6	<u>9,371</u>	<u>4,416</u>	82.00	<u>362,208</u>	<u>2.59%</u>
Total	48,692	26,496	81.56	2,161,536	2.25%

May 2020

Woodsdale Station	Net MWH	Period Hours	MW Rating	MW Hours	Net Capacity Factor
Unit 1	337	744	86	63,984	0.53%
Unit 2	363	744	86	63,984	0.57%
Unit 3	353	744	86	63,984	0.55%
Unit 4	359	744	86	63,984	0.56%
Unit 5	449	744	86	63,984	0.70%
Unit 6	<u>495</u>	<u>744</u>	86	<u>63,984</u>	<u>0.77%</u>
Total	2,356	4,464	86	383,904	0.61%

June 2020

Woodsdale Station	Net MWH	Period Hours	MW Rating	MW Hours	Net Capacity Factor
Unit 1	1,024	720	78	56,160	1.82%
Unit 2	1,049	720	80	57,600	1.82%
Unit 3	897	720	80	57,600	1.56%
Unit 4	818	720	78	56,160	1.46%
Unit 5	1,035	720	80	57,600	1.80%
Unit 6	<u>1,097</u>	<u>720</u>	80	<u>57,600</u>	<u>1.90%</u>
Total	5,920	4,320	79	342,720	1.73%

July 2020

Woodsdale Station	Net MWH	Period Hours	MW Rating	MW Hours	Net Capacity Factor
Unit 1	4,392	744	78	58,032	7.57%
Unit 2	4,585	744	80	59,520	7.70%
Unit 3	4,514	744	80	59,520	7.58%
Unit 4	4,541	744	78	58,032	7.82%
Unit 5	4,464	744	80	59,520	7.50%
Unit 6	<u>4,692</u>	<u>744</u>	80	<u>59,520</u>	<u>7.88%</u>
Total	27,188	4,464	79	354,144	7.68%

August 2020

Woodsdale <u>Station</u>	Net <u>MWH</u>	Period <u>Hours</u>	MW <u>Rating</u>	MW <u>Hours</u>	Net Capacity <u>Factor</u>
Unit 1	680	744	78	58,032	1.17%
Unit 2	1,068	744	80	59,520	1.79%
Unit 3	991	744	80	59,520	1.66%
Unit 4	500	744	78	58,032	0.86%
Unit 5	1,019	744	80	59,520	1.71%
Unit 6	<u>1,068</u>	<u>744</u>	80	<u>59,520</u>	<u>1.79%</u>
Total	5,326	4,464	79	354,144	1.50%

September 2020

Woodsdale <u>Station</u>	Net <u>MWH</u>	Period <u>Hours</u>	MW <u>Rating</u>	MW <u>Hours</u>	Net Capacity <u>Factor</u>
Unit 1	64	720	78	56,160	0.11%
Unit 2	68	720	80	57,600	0.12%
Unit 3	97	720	80	57,600	0.17%
Unit 4	101	720	78	56,160	0.18%
Unit 5	92	720	80	57,600	0.16%
Unit 6	<u>114</u>	<u>720</u>	80	<u>57,600</u>	<u>0.20%</u>
Total	536	4,320	79	342,720	0.16%

October 2020

Woodsdale <u>Station</u>	Net <u>MWH</u>	Period <u>Hours</u>	MW <u>Rating</u>	MW <u>Hours</u>	Net Capacity <u>Factor</u>
Unit 1	668	744	86	63,984	1.04%
Unit 2	664	744	86	63,984	1.04%
Unit 3	667	744	86	63,984	1.04%
Unit 4	1,714	744	86	63,984	2.68%
Unit 5	1,748	744	86	63,984	2.73%
Unit 6	<u>1,905</u>	<u>744</u>	86	<u>63,984</u>	<u>2.98%</u>
Total	7,366	4,464	86	383,904	1.92%

PERSON RESPONSIBLE:John Swez
Libbie S. Miller

**Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021**

STAFF-DR-01-017

REQUEST:

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

RESPONSE:

- a. Duke Energy Kentucky implemented remote startup capability at Woodsdale Station in September of 2019.
- b. This improvement did not have a major impact on fuel usage at Woodsdale but did create efficiency in meeting startup time capability as a PJM resource.

PERSON RESPONSIBLE: Brad Daniel

**Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021**

STAFF-DR-01-018

REQUEST:

State whether Duke Kentucky is aware of any violation of its policies and procedures regarding fuel procurement that occurred prior to or during the last six months of the period under review.

RESPONSE:

Duke Energy Kentucky is not aware of any violations of its policies and procedures regarding fuel procurement that occurred prior to or during the period under review.

PERSON RESPONSIBLE: Brett Phipps

**Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021**

STAFF-DR-01-019

REQUEST:

State whether Duke Kentucky 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.

RESPONSE:

Duke Energy Kentucky is not aware of any instances where it may have violated 807 KAR 5:056 either prior to or during the period under review.

PERSON RESPONSIBLE: Brett Phipps

**Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021**

STAFF-DR-01-020

REQUEST:

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.

RESPONSE:

Coal:

All contracts for long-term and short-term (spot) coal and transportation agreements have been filed with the Commission.

Natural Gas:

All contracts for natural gas and gas transportation contracts have been filed with the commission.

Fuel Oil:

All contracts for fuel oil and gas transportation contracts have been filed with the commission.

PERSON RESPONSIBLE: Brett Phipps

**Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021**

STAFF-DR-01-021

REQUEST:

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

RESPONSE:

Barge transportation is the single delivery method to Duke Energy Kentucky.

PERSON RESPONSIBLE: Brett Phipps

**Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021**

STAFF-DR-01-022

REQUEST:

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) Duke Kentucky believes the current base period fuel cost should remain unchanged.

RESPONSE:

March 2020 was selected to be the base period because the resulting fuel rate for this period was the closest to the average of actual fuel rates for the 24 months of the audit review period. The fuel rate for March 2020 is \$0.025401/kWh based on final reported fuel costs.

The cost per kWh during the proposed base month of March 2020 is calculated as follows:

<u>Fuel (b) (March 2020)</u>	<u>\$ 7,183,133</u>	
Sales (b) (March 2020)	282,790,188	= \$0.025401

PERSON RESPONSIBLE: Libbie S. Miller

**Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021**

STAFF-DR-01-023

REQUEST:

Provide a calculation of the fossil fuel costs F(b) that Duke Kentucky 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 Duke Kentucky.

RESPONSE:

As stated in response to STAFF-DR-01-022, Duke Energy Kentucky proposes a base fuel cost F(b) of \$7,183,133. Please see STAFF-DR-01-023 Attachment for the fuel cost schedule for March 2020, which shows the components of F(b) as defined by 807 KAR 5:056.

PERSON RESPONSIBLE: Libbie S. Miller

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: March 2020

		<u>Dollars (\$)</u>
A. Company Generation		
Coal Burned	(+)	\$ 5,093,221.09
Oil Burned	(+)	200,239.36
Gas Burned	(+)	-
Net Fuel Related RTO Billing Line Items	(-)	(105,558.85)
Fuel (assigned cost during Forced Outage ^(a))	(+)	144,837.03
Fuel (substitute cost during Forced Outage ^(a))	(-)	-
Sub-Total		\$ 5,543,856.33
B. Purchases		
Economy Purchases	(+)	\$ 1,944,919.75
Other Purchases	(+)	-
Other Purchases (substitute for Forced Outage ^(a))	(-)	144,837.03
Less purchases above highest cost units	(-)	-
Sub-Total		\$ 1,800,082.72
C. Non-Native Sales Fuel Costs		\$ 160,806.51
D. Total Fuel Costs (A + B - C)		\$ 7,183,132.54

Note: ^(a) Forced Outage as defined in 807 KAR 5:056.

Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021

STAFF-DR-01-024

REQUEST:

Provide a schedule showing each component of sales as defined by 807 KAR 5:056 in the selected base period (b). Explain why Duke Kentucky believes that the sales in the selected base period (b) are representative of the level of kWh sales that Duke Kentucky 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.

RESPONSE:

Please see STAFF-DR-01-024 Attachment for the Sales Schedule for March 2020, which shows the components of sales as defined by 807 KAR 5:056.

As stated in response to STAFF-DR-01-022, Duke Energy Kentucky proposes base sales (b) of 282,790,188 kWh sales.

- a. Please see STAFF-DR-01-024 Attachment, Section A, for the power purchases used in the calculation of sales.
- b. Not applicable. Please see response to STAFF-DR-01-014.

PERSON RESPONSIBLE: Libbie S. Miller

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: March 2020

		<u>Kilowatt-Hours Current Month</u>
A. Generation (Net)	(+)	221,895,000
<u>Purchases Including Interchange-In</u>	(+)	<u>87,570,888</u>
Sub-Total		<u>309,465,888</u>
B. Pumped Storage Energy	(+)	-
Non-Native Sales Including Interchange Out	(+)	9,263,990
<u>System Losses (300,201,898 KWH times 5.8% ^(a))</u>	(+)	<u>17,411,710</u>
Sub-Total		<u>26,675,700</u>
C. Total Sales (A - B)		<u><u>282,790,188</u></u>

Note: ^(a) Average of prior 12 months.

**Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021**

STAFF-DR-01-025

REQUEST:

Provide a schedule showing the calculation of Duke Kentucky's proposed increase or decrease in its base fuel cost per kWh to be incorporated into its base rate.

RESPONSE:

Current Base	\$0.023837
Proposed Based	<u>\$0.025401</u>
Increase in Base Rate	<u>\$0.001564</u>

PERSON RESPONSIBLE: Libbie S. Miller

**Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021**

STAFF-DR-01-026

REQUEST:

Provide a schedule of the present and proposed rates that Duke Kentucky seeks to change pursuant to 807 KAR 5:056, shown in comparative form.

RESPONSE:

Please see STAFF-DR-01-026 Attachment.

PERSON RESPONSIBLE: Libbie S. Miller

Duke Energy Kentucky Revised Tariffs

Tariff		Existing	Existing	Existing	Proposed	Revised
Sheet No.	Rate Schedule	Base Rate	Fuel Component	Base Rate	Revised Fuel	Base Rates
		Energy & Fuel	of Base Rates	Excluding Base Fuel	Component of Base Rates	Including Fuel
30	RS	0.079431	0.023837	0.055594	0.025401	0.080995
40	DS					
	First 6000 kWh	0.087606	0.023837	0.063769	0.025401	0.089170
	Next 300 kWh/kW	0.053778	0.023837	0.029941	0.025401	0.055342
	Add'l kWh	0.044040	0.023837	0.020203	0.025401	0.045604
41	DT					
	Summer On Peak	0.046825	0.023837	0.022988	0.025401	0.048389
	Winter On Peak	0.044698	0.023837	0.020861	0.025401	0.046262
	Off Peak	0.038345	0.023837	0.014508	0.025401	0.039909
42	EH	0.067704	0.023837	0.043867	0.025401	0.069268
43	SP	0.106401	0.023837	0.082564	0.025401	0.107965
44	GS-FL					
	540 to 720 hrs.	0.089505	0.023837	0.065668	0.025401	0.091069
	< 540 hrs.	0.103135	0.023837	0.079298	0.025401	0.104699
45	DP					
	First 300 kWh	0.055489	0.023837	0.031652	0.025401	0.057053
	Add'l kWh	0.046917	0.023837	0.023080	0.025401	0.048481
51	TT					
	Summer On Peak	0.051742	0.023837	0.027905	0.025401	0.053306
	Summer Off Peak	0.042372	0.023837	0.018535	0.025401	0.043936
	Winter On Peak	0.049395	0.023837	0.025558	0.025401	0.050959
	Winter Off Peak	0.042372	0.023837	0.018535	0.025401	0.043936
60	SL		0.023837		0.025401	
61	TL					
	Energy Only	0.041873	0.023837	0.018036	0.025401	0.043437
	w/Maintenance	0.065060	0.023837	0.041223	0.025401	0.066624
62	UOLS	0.041229	0.023837	0.017392	0.025401	0.042793
64	LED	0.041229	0.023837	0.017392	0.025401	0.042793
66	NSU		0.023837		0.025401	
68	SC					
	Energy Only	0.041229	0.023837	0.017392	0.025401	0.042793
69	SE		0.023837		0.025401	
80	Rider FAC	0.023837	0.023837		0.025401	

DUKE ENERGY KENTUCKY

Sheet					Current	Proposed	Diff. in			Increase	Current	New
No.	Loc	Fixture	Lumens	Description	Base Fuel	Base Fuel	Base Fuel	Annual kWh	kWh Per Mo.	Change per Mth.	Rate/Unit	Rate/Unit
60	OH	Standard MV	7,000		0.023837	0.025401	0.001564	803	66.92	0.1047	7.82	7.92
60	OH	Standard MV	7,000	Open Refractor	0.023837	0.025401	0.001564	853	71.08	0.1112	6.53	6.64
60	OH	Standard MV	10,000		0.023837	0.025401	0.001564	1144	95.33	0.1491	9.03	9.18
60	OH	Standard MV	21,000		0.023837	0.025401	0.001564	1789	149.08	0.2332	12.09	12.32
60	OH	Standard MH	14,000		0.023837	0.025401	0.001564	803	66.92	0.1047	7.82	7.92
60	OH	Standard MH	20,500		0.023837	0.025401	0.001564	1144	95.33	0.1491	9.03	9.18
60	OH	Standard MH	36,000		0.023837	0.025401	0.001564	1789	149.08	0.2332	12.09	12.32
60	OH	Standard SV	9,500		0.023837	0.025401	0.001564	487	40.58	0.0635	8.65	8.71
60	OH	Standard SV	9,500	Open Refractor	0.023837	0.025401	0.001564	487	40.58	0.0635	6.50	6.56
60	OH	Standard SV	16,000		0.023837	0.025401	0.001564	711	59.25	0.0927	9.44	9.53
60	OH	Standard SV	22,000		0.023837	0.025401	0.001564	948	79.00	0.1236	12.24	12.36
60	OH	Standard SV	27,500		0.023837	0.025401	0.001564	948	79.00	0.1236	12.24	12.36
60	OH	Standard SV	50,000		0.023837	0.025401	0.001564	1959	163.25	0.2553	16.45	16.71
60	OH	Decorative SV	9,500	Rectilinear	0.023837	0.025401	0.001564	487	40.58	0.0635	10.76	10.82
60	OH	Decorative SV	22,000	Rectilinear	0.023837	0.025401	0.001564	1023	85.25	0.1333	13.30	13.43
60	OH	Decorative SV	50,000	Rectilinear	0.023837	0.025401	0.001564	1959	163.25	0.2553	17.60	17.86
60	OH	Decorative SV	50,000	Setback	0.023837	0.025401	0.001564	1959	163.25	0.2553	26.17	26.43
60	UG	Standard MV	7,000		0.023837	0.025401	0.001564	874	72.83	0.1139	7.96	8.07
60	UG	Standard MV	7,000	Open Refractor	0.023837	0.025401	0.001564	853	71.08	0.1112	6.53	6.64
60	UG	Standard MV	10,000		0.023837	0.025401	0.001564	1215	101.25	0.1584	9.19	9.35
60	UG	Standard MV	21,000		0.023837	0.025401	0.001564	1914	159.50	0.2495	12.38	12.63
60	UG	Standard MH	14,000		0.023837	0.025401	0.001564	874	72.83	0.1139	7.96	8.07
60	UG	Standard MH	20,500		0.023837	0.025401	0.001564	1215	101.25	0.1584	9.19	9.35
60	UG	Standard MH	36,000		0.023837	0.025401	0.001564	1914	159.50	0.2495	12.38	12.63
60	UG	Standard SV	9,500		0.023837	0.025401	0.001564	487	40.58	0.0635	8.65	8.71
60	UG	Standard SV	9,500	Open Refractor	0.023837	0.025401	0.001564	487	40.58	0.0635	6.59	6.65
60	UG	Standard SV	16,000		0.023837	0.025401	0.001564	711	59.25	0.0927	9.41	9.50
60	UG	Standard SV	22,000		0.023837	0.025401	0.001564	948	79.00	0.1236	12.24	12.36
60	UG	Standard SV	27,500		0.023837	0.025401	0.001564	1323	110.25	0.1724	12.24	12.41
60	UG	Standard SV	50,000		0.023837	0.025401	0.001564	1959	163.25	0.2553	16.45	16.71
60	UG	Decorative MV	7,000	Town & Country	0.023837	0.025401	0.001564	853	71.08	0.1112	8.23	8.34
60	UG	Decorative MV	7,000	Holophane	0.023837	0.025401	0.001564	874	72.83	0.1139	10.34	10.45
60	UG	Decorative MV	7,000	Gas Replica	0.023837	0.025401	0.001564	874	72.83	0.1139	23.64	23.75
60	UG	Decorative MV	7,000	Granville	0.023837	0.025401	0.001564	853	71.08	0.1112	8.32	8.43
60	UG	Decorative MV	7,000	Aspen	0.023837	0.025401	0.001564	874	72.83	0.1139	14.97	15.08
60	UG	Decorative MH	14,000	Traditionaire	0.023837	0.025401	0.001564	853	71.08	0.1112	8.22	8.33
60	UG	Decorative MH	14,000	Granville Acorn	0.023837	0.025401	0.001564	874	72.83	0.1139	14.97	15.08
60	UG	Decorative MH	14,000	Gas Replica	0.023837	0.025401	0.001564	874	72.83	0.1139	23.72	23.83
60	UG	Decorative MH	14,500	Gas Replica	0.023837	0.025401	0.001564	861	71.75	0.1122	23.72	23.83
60	UG	Decorative SV	9,500	Town & Country	0.023837	0.025401	0.001564	487	40.58	0.0635	12.02	12.08
60	UG	Decorative SV	9,500	Holophane	0.023837	0.025401	0.001564	532	44.33	0.0693	13.02	13.09
60	UG	Decorative SV	9,500	Rectilinear	0.023837	0.025401	0.001564	487	40.58	0.0635	9.71	9.77
60	UG	Decorative SV	9,500	Gas Replica	0.023837	0.025401	0.001564	532	44.33	0.0693	24.49	24.56
60	UG	Decorative SV	9,500	Aspen	0.023837	0.025401	0.001564	532	44.33	0.0693	15.17	15.24
60	UG	Decorative SV	9,500	Traditionaire	0.023837	0.025401	0.001564	487	40.58	0.0635	12.02	12.08
60	UG	Decorative SV	9,500	Granville Acorn	0.023837	0.025401	0.001564	532	44.33	0.0693	15.17	15.24
60	UG	Decorative SV	22,000	Rectilinear	0.023837	0.025401	0.001564	1023	85.25	0.1333	13.37	13.50
60	UG	Decorative SV	50,000	Rectilinear	0.023837	0.025401	0.001564	1959	163.25	0.2553	17.66	17.92
60	UG	Decorative SV	50,000	Setback	0.023837	0.025401	0.001564	1959	163.25	0.2553	26.17	26.43

DUKE ENERGY KENTUCKY

Sheet				Current	Proposed	Diff. in	Increase			Current	New	
No.	Owner	LOC	Lumens	Description	Base Fuel	Base Fuel	Base Fuel	Annual kWh	kWh Per Mo.	Change per Mth.	Rate/Unit	Rate/Unit
66	Comp	UG	2500	Boulevard Incandescent Series	0.023837	0.025401	0.001564	616	51.33	0.0803	10.14	10.22
66	Comp	UG	2500	Boulevard Incandescent Multiple	0.023837	0.025401	0.001564	786	65.50	0.1024	7.88	7.98
66	Comp	UG	10000	Mercury Vapor	0.023837	0.025401	0.001564	1215	101.25	0.1584	18.47	18.63
66	Comp	OH	2500	Incandescent	0.023837	0.025401	0.001564	786	65.50	0.1024	7.81	7.91
66	Comp	OH	2500	Mercury Vapor	0.023837	0.025401	0.001564	453	37.75	0.0590	7.39	7.45
66	Comp	OH	21000	Mercury Vapor	0.023837	0.025401	0.001564	1914	159.50	0.2495	11.72	11.97
66	Cust	UG	2500	Incandescent Series	0.023837	0.025401	0.001564	616	51.33	0.0803	5.98	6.06
66	Cust	UG	2500	Incandescent Multiple	0.023837	0.025401	0.001564	786	65.50	0.1024	7.61	7.71

DUKE ENERGY KENTUCKY

Sheet No.	Fixture	Lumens	Description	Current Base Fuel	Proposed Base Fuel	Diff. in Base Fuel	Annual kWh	kWh Per Mo.	Increase Change per Mth.	Current Rate/Unit	New Rate/Unit
68	Standard MV	7,000		0.023837	0.025401	0.001564	803	66.92	0.1047	4.61	4.71
68	Standard MV	10,000		0.023837	0.025401	0.001564	1144	95.33	0.1491	5.87	6.02
68	Standard MV	21,000		0.023837	0.025401	0.001564	1789	149.08	0.2332	8.14	8.37
68	Standard MH	14,000		0.023837	0.025401	0.001564	803	66.92	0.1047	4.61	4.71
68	Standard MH	20,500		0.023837	0.025401	0.001564	1144	95.33	0.1491	5.87	6.02
68	Standard MH	36,000		0.023837	0.025401	0.001564	1789	149.08	0.2332	8.14	8.37
68	Standard SV	9,500		0.023837	0.025401	0.001564	487	40.58	0.0635	5.54	5.60
68	Standard SV	16,000		0.023837	0.025401	0.001564	711	59.25	0.0927	6.18	6.27
68	Standard SV	22,000		0.023837	0.025401	0.001564	948	79.00	0.1236	6.79	6.91
68	Standard SV	27,500		0.023837	0.025401	0.001564	948	79.00	0.1236	6.79	6.91
68	Standard SV	50,000		0.023837	0.025401	0.001564	1959	163.25	0.2553	9.19	9.45
68	Decorative MV	7,000	Holophane	0.023837	0.025401	0.001564	874	72.83	0.1139	5.86	5.97
68	Decorative MV	7,000	Town & Country	0.023837	0.025401	0.001564	853	71.08	0.1112	5.80	5.91
68	Decorative MV	7,000	Gas Replica	0.023837	0.025401	0.001564	874	72.83	0.1139	5.86	5.97
68	Decorative MV	7,000	Aspen	0.023837	0.025401	0.001564	874	72.83	0.1139	5.86	5.97
68	Decorative MH	14,000	Traditionaire	0.023837	0.025401	0.001564	853	71.08	0.1112	5.80	5.91
68	Decorative MH	14,000	Granville Acorn	0.023837	0.025401	0.001564	874	72.83	0.1139	5.86	5.97
68	Decorative MH	14,000	Gas Replica	0.023837	0.025401	0.001564	874	72.83	0.1139	5.86	5.97
68	Decorative SV	9,500	Town & Country	0.023837	0.025401	0.001564	487	40.58	0.0635	5.46	5.52
68	Decorative SV	9,500	Traditionaire	0.023837	0.025401	0.001564	487	40.58	0.0635	5.46	5.52
68	Decorative SV	9,500	Granville Acorn	0.023837	0.025401	0.001564	532	44.33	0.0693	5.69	5.76
68	Decorative SV	9,500	Rectilinear	0.023837	0.025401	0.001564	487	40.58	0.0635	5.46	5.52
68	Decorative SV	9,500	Aspen	0.023837	0.025401	0.001564	532	44.33	0.0693	5.69	5.76
68	Decorative SV	9,500	Holophane	0.023837	0.025401	0.001564	532	44.33	0.0693	5.69	5.76
68	Decorative SV	9,500	Gas Replica	0.023837	0.025401	0.001564	532	44.33	0.0693	5.69	5.76
68	Decorative SV	22,000	Rectilinear	0.023837	0.025401	0.001564	1023	85.25	0.1333	7.19	7.32
68	Decorative SV	50,000	Rectilinear	0.023837	0.025401	0.001564	1959	163.25	0.2553	9.51	9.77

DUKE ENERGY KENTUCKY

Sheet				Current	Proposed	Diff. in			Increase	Current	New
No.	Fixture	Lumens	Description	Base Fuel	Base Fuel	Base Fuel	Annual kWh	kWh Per Mo.	Change per Mth.	Rate/Unit	Rate/Unit
69	Decorative MV	7,000	Town & Country	0.023837	0.025401	0.001564	853	71.08	0.1112	8.02	8.13
69	Decorative MV	7,000	Holophane	0.023837	0.025401	0.001564	874	72.83	0.1139	8.05	8.16
69	Decorative MV	7,000	Gas Replica	0.023837	0.025401	0.001564	874	72.83	0.1139	8.05	8.16
69	Decorative MV	7,000	Aspen	0.023837	0.025401	0.001564	874	72.83	0.1139	8.05	8.16
69	Decorative MH	14,000	Traditionaire	0.023837	0.025401	0.001564	853	71.08	0.1112	8.02	8.13
69	Decorative MH	14,000	Granville Acorn	0.023837	0.025401	0.001564	874	72.83	0.1139	8.05	8.16
69	Decorative MH	14,000	Gas Replica	0.023837	0.025401	0.001564	874	72.83	0.1139	8.05	8.16
69	Decorative SV	9,500	Town & Country	0.023837	0.025401	0.001564	487	40.58	0.0635	8.74	8.80
69	Decorative SV	9,500	Holophane	0.023837	0.025401	0.001564	532	44.33	0.0693	8.86	8.93
69	Decorative SV	9,500	Rectilinear	0.023837	0.025401	0.001564	487	40.58	0.0635	8.74	8.80
69	Decorative SV	9,500	Gas Replica	0.023837	0.025401	0.001564	532	44.33	0.0693	8.85	8.92
69	Decorative SV	9,500	Aspen	0.023837	0.025401	0.001564	532	44.33	0.0693	8.85	8.92
69	Decorative SV	9,500	Traditionaire	0.023837	0.025401	0.001564	487	40.58	0.0635	8.74	8.80
69	Decorative SV	9,500	Granville Acorn	0.023837	0.025401	0.001564	532	44.33	0.0693	8.85	8.92
69	Decorative SV	22,000	Rectilinear	0.023837	0.025401	0.001564	1023	85.25	0.1333	12.56	12.69
69	Decorative SV	50,000	Rectilinear	0.023837	0.025401	0.001564	1959	163.25	0.2553	16.62	16.88
69	Decorative SV	50,000	Setback	0.023837	0.025401	0.001564	1959	163.25	0.2553	16.62	16.88

**Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021**

STAFF-DR-01-027

REQUEST:

Provide a copy of the current tariff showing by cross-outs and inserts all proposed changes in rates.

RESPONSE:

Please see STAFF-DR-01-027 Attachment.

PERSON RESPONSIBLE: Libbie S. Miller

Duke Energy Kentucky, Inc.
 1262 Cox Road
 Erlanger, Kentucky 41018

INDEX TO APPLICABLE ELECTRIC TARIFF SCHEDULES AND COMMUNITIES SERVED

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Issued by authority of an Order by the Kentucky Public Service
 Commission dated April 29, 2020 in Case No. 2019-004062021-00057.

Issued: February 19, 2021

Effective: March 3, 2020

Issued by Amy B. Spiller, President /s/ Amy B. Spiller

Duke Energy Kentucky, Inc.
 1262 Cox Road
 Erlanger, Kentucky 41018

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 Erlanger, Kentucky 41018

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Duke Energy Kentucky, Inc.
1262 Cox Road
Erlanger, Kentucky 41018

KY.P.S.C. Electric No. 2
Ninety-~~Third~~^{Fourth} Revised Sheet No. 10
Cancels and Supersedes
Ninety-~~Second~~^{Third} Revised Sheet No. 10
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INDEX TO APPLICABLE ELECTRIC TARIFF SCHEDULES AND COMMUNITIES SERVED

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Bellevue	Independence
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Bromley	Kenton Vale
Campbell County	Lakeside Park
Cold Spring	Latonia Lakes
Covington	Ludlow
Crescent Park	Melbourne
Crescent Springs	Newport
Crestview	Park Hills
Crestview Hills	Pendleton County
Crittenden	Ryland Heights
Dayton	Silver Grove
Dry Ridge	Southgate
Edgewood	Taylor Mill
Elsmere	Union
Erlanger	Villa Hills
Fairview	Walton
Florence	Wilder
Fort Mitchell	
Fort Thomas	Woodlawn
Fort Wright	
Grant County	

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Issued: ~~February 19, 2021~~

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Duke Energy Kentucky, Inc.
1262 Cox Road
Erlanger, KY 41018

RATE RS

RESIDENTIAL SERVICE

APPLICABILITY

Applicable to electric service other than three phase service, for all domestic purposes in private residences, single occupancy apartments and separately metered common use areas of multi-occupancy buildings in the entire territory of the Company where distribution lines are adjacent to the premises to be served.

Residences where not more than two rooms are used for rental purposes will also be included. Where all dwelling units in a multi-occupancy building are served through one meter and the common use area is metered separately, the kilowatt-hour rate will be applied on a "per residence" or "per apartment" basis, however, the customer charge will be based on the number of installed meters.

Where a portion of a residential service is used for purposes of a commercial or public character, Rate DS, Service At Distribution Voltage, is applicable to all service. However, if the wiring is so arranged that the service for residential purposes can be metered separately, this Rate will be applied to the residential service, if the service qualifies hereunder.

TYPE OF SERVICE

Alternating current 60 Hz, single phase at Company's standard secondary voltage.

NET MONTHLY BILL

Computed in accordance with the following charges:

- 1. Base Rate
 - (a) Customer Charge \$12.60 per month
 - (b) Energy Charge
All kilowatt hours ~~\$0.079434~~0.080995 per kWh (I)

- 2. Applicable Riders
The following riders are applicable pursuant to the specific terms contained within each rider:
Sheet No. 76, Rider ESM, Environmental Surcharge Mechanism Rider
Sheet No. 78, Rider DSMR, Demand Side Management Rider
Sheet No. 80, Rider FAC, Fuel Adjustment Clause
Sheet No. 82, Rider PSM, Profit Sharing Mechanism

The minimum charge shall be the Customer Charge as shown above.

Issued by authority of an Order of the Kentucky Public Service
Commission dated ~~October 16, 2020~~ in Case No. ~~2019-~~
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Issued by Amy B. Spiller, President /s/ Amy B. Spiller

KY.P.S.C. Electric No. 2

~~Eleventh-Twelfth~~ Revised Sheet No. 30
Cancels and Supersedes

~~Tenth-Eleventh~~ Revised Sheet No. 30
Page 2 of 2

Duke Energy Kentucky, Inc.
1262 Cox Road
Erlanger, KY 41018

LATE PAYMENT CHARGE

Payment of the Net Monthly Bill must be received in the Company's office within twenty-one (21) days from the date the bill is mailed by the Company. When not so paid, the Gross Monthly Bill, which is the Net Monthly Bill plus 5%, is due and payable.

TERMS AND CONDITIONS

This rate is available upon application in accordance with the Company's Service Regulations.

The supplying of, and billing for, service and all conditions applying thereto, are subject to the jurisdiction of the Kentucky Public Service Commission, and to Company's Service Regulations currently in effect, as filed with the Kentucky Public Service Commission, as provided by law.

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KY.P.S.C. Electric No. 2
~~Eleventh-Twelfth~~ Revised Sheet No.

40
Duke Energy Kentucky, Inc.
1262 Cox Road
Erlanger, Kentucky 41018

Cancels and Supersedes
~~Tenth-Eleventh~~ Revised Sheet No. 40
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RATE DS

SERVICE AT SECONDARY DISTRIBUTION VOLTAGE

APPLICABILITY

Applicable to electric service for usual customer load requirements where the Company specifies service at the standard secondary system voltage and the Company determines that facilities of adequate capacity are available adjacent to the premises to be served, and the customer's average monthly demand is determined by the Company to be less than 500 kilowatts. Electric service must be supplied at one point of delivery and is not applicable for resale service.

TYPE OF SERVICE

Alternating current 60 Hz, single phase or three phase at the Company's standard distribution voltage of 34,500 volts or lower.

NET MONTHLY BILL

Computed in accordance with the following charges provided, however, that the maximum monthly rate, excluding the customer charge, and all applicable riders, shall not exceed \$0.258792 per kilowatt-hour (kilowatt of demand is abbreviated as kW and kilowatt-hours are abbreviated as kWh):

1. Base Rate
 - (a) Customer Charge per month

Single Phase Service	\$ 15.00	per month	
Three Phase Service	\$ 30.00	per month	
 - (b) Demand Charge

First 15 kilowatts	\$ 0.00	per kW	
Additional kilowatts	\$ 9.00	per kW	
 - (c) Energy Charge

First 6,000 kWh	\$0.0876060 <u>0.089170</u>	per kWh	(I)
Next 300 kWh/kW	\$0.0537780 <u>0.055342</u>	per kWh	(I)
Additional kWh	\$0.0440400 <u>0.045604</u>	per kWh	(I)

2. Applicable Riders

The following riders are applicable pursuant to the specific terms contained within each rider:
Sheet No. 76, Rider ESM, Environmental Surcharge Mechanism Rider
Sheet No. 78, Rider DSMR, Demand Side Management Rider
Sheet No. 80, Rider FAC, Fuel Adjustment Clause
Sheet No. 82, Rider PSM, Profit Sharing Mechanism

The minimum charge shall be the Customer Charge shown above.

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Duke Energy Kentucky, Inc.
1262 Cox Road
Erlanger, Kentucky 41018

KY.P.S.C. Electric No. 2
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Cancels and Supersedes
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NET MONTHLY BILL (Contd.)

For customers receiving service under the provisions of former Rate C, Optional Rate for Churches, as of June 25, 1981, the maximum monthly rate per kilowatt-hour shall not exceed \$0.158876 per kilowatt-hour plus all applicable riders.

When both single and three phase secondary voltage services are required by a customer, the monthly kilowatt-hour usage and kilowatt demands shall be the respective arithmetical sums of both services.

METERING

The Company may meter at secondary or primary voltage as circumstances warrant. If the Company elects to meter at primary voltage, the kilowatt-hours registered on the Company's meter will be reduced one and one-half percent (1.5%) for billing purposes.

DEMAND

The demand shall be the kilowatts derived from the Company's demand meter for the fifteen-minute period of customer's greatest use during the billing period, as determined by the Company, adjusted for power factor, as provided herein. At its option, the Company may not install a demand meter if the nature of the load clearly indicates the load will have a constant demand, in which case the demand will be the calculated demand.

In no event will the billing demand be taken as less than the higher of the following:

- a) 85% of the highest monthly kilowatt demand established in the summer period and effective for the next succeeding eleven (11) months; or
- b) One (1) kilowatt for single phase secondary voltage service and five (5) kilowatts for three phase secondary voltage service.

If a customer requests reconnection of an account within twelve (12) months of a disconnection order, the customer's demand record for the period of disconnection will be re-established for purposes of billing and administration of the preceding clause.

For purposes of administration of the above clause, the summer period is defined as that period represented by the Company's billing for the four (4) revenue months of June through September. The winter period is defined as that period represented by the Company's billing for the eight (8) revenue months of January through May and October through December.

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KY.P.S.C. Electric No. 2
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Duke Energy Kentucky, Inc.
1262 Cox Road
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POWER FACTOR ADJUSTMENT

The power factor to be maintained shall be not less than 90% lagging. If the Company determines customer's power factor to be less than 90%, the billing demand will be the number of kilowatts equal to the kilovolt amperes multiplied by 0.90.

At the Company's option, power factor may be determined by the following methods:

- a. Continuous measurement
 - the power factor, as determined during the interval in which the maximum kW demand is established, will be used for billing purposes; or
- b. Testing
 - the power factor, as determined during a period in which the customer's measured kW demand is not less than 90% of the measured maximum kW demand of the preceding billing period, will be used for billing purposes until superseded by a power factor determined by a subsequent test made at the direction of Company or request of customer.

LATE PAYMENT CHARGE

Payment of the Net Monthly Bill must be received in the Company's office within twenty-one (21) days from the date the bill is mailed by the Company. When not so paid, the Gross Monthly Bill, which is the Net Monthly Bill plus 5%, is due and payable.

TERMS AND CONDITIONS

The initial term of contract shall be for a minimum period of three (3) years terminable thereafter by a minimum notice of either the customer or the Company as prescribed by the Company's Service Regulations.

The Company is not obligated to extend, expand or rearrange its transmission system voltage if it determines that existing distribution and/or transmission facilities are of adequate capacity to serve the customer's load.

If the Company offers to provide the necessary facilities for transmission service, in accordance with its Service Regulations, an annual facilities charge, applicable to such additional facilities, is established at twenty (20) percent of actual cost. The annual facilities charge shall be billed in twelve monthly installments to be added to the demand charge.

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Duke Energy Kentucky, Inc.
1262 Cox Road
Erlanger, Kentucky 41018

Cancel and Supersedes
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TERMS AND CONDITIONS (Contd.)

For purposes of administration of this rate, the Company will determine the customer's average monthly demand based upon the twelve months ending December of each year after the applicable term of service has been fulfilled by the customer. If the customer's monthly demand exceeds 500 kilowatts and the Company expects the customer's demand to remain in excess of 500 kilowatts, then the Company will notify the customer prior to May of the succeeding year that the provisions of Rate DT, Time-of-Day Rate for Distribution Service shall be applicable beginning with the June revenue month billing and shall continue until the term of service of that rate has been fulfilled. In the case where a customer's average demand is estimated by the Company to be significantly less than 500 kilowatts, the Company may, at its discretion, waive the twelve month demand history requirement in the determination of the applicability of this rate.

The supplying of, and billing for, service and all conditions applying thereto, are subject to the jurisdiction of the Kentucky Public Service Commission, and to the Company's Service Regulations currently in effect, as filed with the Kentucky Public Service Commission, as provided by law.

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Duke Energy Kentucky, Inc.
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KY.P.S.C. Electric No. 2
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RATE DT

TIME-OF-DAY RATE FOR SERVICE AT DISTRIBUTION VOLTAGE

APPLICABILITY

Applicable to electric service for customers with an average monthly demand of 500 kilowatts or greater where the Company specifies service at a nominal distribution system voltage of 34,500 volts or lower, and the Company determines that facilities of adequate capacity are available and adjacent to the premises to be served. Electric service must be supplied at one point of delivery and is not applicable for resale service.

TYPE OF SERVICE

Alternating current 60 Hz, single phase or three phase at Company's standard distribution voltage of 34,500 volts or lower.

NET MONTHLY BILL

Computed in accordance with the following charges (kilowatt of demand abbreviated as kW and kilowatt-hours are abbreviated as kWh):

1. Base Rate

(a) Customer Charge			
Single Phase	\$ 63.50	per month	
Three Phase	\$127.00	per month	
Primary Voltage Service	\$138.00	per month	
(b) Demand Charge			
Summer			
On Peak kW	\$ 14.85	per kW	
Off Peak kW	\$ 1.34	per kW	
Winter			
On Peak kW	\$ 14.05	per kW	
Off Peak kW	\$ 1.34	per kW	
(c) Energy Charge			
Summer On Peak kWh	\$0.0468250	<u>0.048389</u>	per kWh (I)
Winter On Peak kWh	\$0.0446980	<u>0.046262</u>	per kWh (I)
Off Peak kWh	\$0.0383450	<u>0.039909</u>	per kWh (I)

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KY.P.S.C. Electric No. 2
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~~Eleventh-Tenth~~ Revised Sheet No. 41
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NET MONTHLY BILL (Contd.)

2. Applicable Riders

The following riders are applicable pursuant to the specific terms contained within each rider:

- Sheet No. 76, Rider ESM, Environmental Surcharge Mechanism Rider
- Sheet No. 78, Rider DSMR, Demand Side Management Rider
- Sheet No. 80, Rider FAC, Fuel Adjustment Clause
- Sheet No. 82, Rider PSM, Profit Sharing Mechanism

The minimum charge shall be the Customer Charge, as stated above.

When both single and three phase secondary voltage services are required by a customer, the monthly kilowatt-hour usage and kilowatt demands shall be the respective arithmetical sums of both services.

For purposes of administration of the above Base Rate charges, the summer period is defined as that period represented by the Company's billing for the four (4) revenue months of June through September. The winter period is defined as that period represented by the Company's billing for the eight (8) revenue months of January through May and October through December.

RATING PERIODS

The rating periods applicable to the demand charge shall be as follows:

- a) On Peak Period
 - Summer - 11 a.m. to 8 p.m. Monday through Friday, excluding holidays.
 - Winter - 9 a.m. to 2 p.m. and 5 p.m. to 9 p.m., Monday through Friday, excluding holidays.
- b) Off Peak Period - All hours Monday through Friday not included above plus all day Saturday and Sunday, as well as New Year's Day, President's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day and Christmas Day on the day nationally designated to be celebrated as such.

METERING

The company may meter at secondary or primary voltage as circumstances warrant. If the Company elects to meter at primary voltage, kilowatt hours registered on the Company's meter will be reduced one and one-half percent (1.5%) for billing purposes.

If the customer furnishes primary voltage transformers and appurtenances, in accordance with the Company's specified design and maintenance criteria, the Demand Charge, as stated above, shall be reduced as follows:

First 1,000 kW of On Peak billing demand at \$0.75 per kW.

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Additional kW of On Peak billing demand at \$0.58 per kW.

DEMAND

The On Peak billing demand shall be the kilowatts derived from the Company's demand meter for the fifteen minute period of greatest use in the on peak rating period adjusted for power factor as provided herein. The Off Peak billing demand shall be the kilowatts derived from the Company's demand meter for the fifteen minute period of greatest use in the off peak rating period adjusted for power factor minus the On Peak billing demand. In no case shall the Off Peak billing demand be less than zero.

POWER FACTOR ADJUSTMENT

The power factor to be maintained shall be not less than 90% lagging. If the Company determines the customer's power factor to be less than 90%, the on peak and off peak billing demands will be the number of kilowatts equal to the respective on peak and off peak kilovolt amperes multiplied by 0.90.

The power factor, as determined by continuous measurement, will be derived from the intervals in which the maximum on peak and off peak kW demands are established.

LATE PAYMENT CHARGE

Payment of the Net Monthly Bill must be received in the Company's office within twenty-one (21) days from the date the bill is mailed by the Company. When not so paid, the Gross Monthly Bill, which is the Net Monthly Bill plus 5%, is due and payable.

TERMS AND CONDITIONS

The initial term of contract shall be for a period of three (3) years for secondary voltage service and five (5) years for primary voltage service terminable thereafter by a minimum notice of either the customer or the Company as follows:

- (1) For secondary voltage service customers, as prescribed by the Company's Service Regulations.
- (2) For primary voltage service customers with a most recent twelve month average demand of less than 10,000 kVA or greater than 10,000 kVA, written notice of thirty (30) days or twelve (12) months respectively, after receipt of the written notice.

The Company is not obligated to extend, expand or rearrange its transmission system if it determines that existing distribution and/or transmission facilities are of adequate capacity to serve the customer's load.

If the Company offers to provide the necessary facilities for transmission service, in accordance with its Service Regulations, an annual facilities charge, applicable to such additional facilities, is established at twenty (20) percent of actual cost. The annual facilities charge shall be billed in twelve monthly installments to be added to the demand charge.

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TERMS AND CONDITIONS (Contd.)

For purposes of the administration of this rate, the Company will determine the customer's average monthly demand based upon the twelve months ending December of each year after the applicable term of service has been fulfilled by the customer. If the customer's demand is less than 500 kilowatts and the Company expects the customer's demand to remain below 500 kilowatts, then the Company will notify the customer prior to May of the succeeding year that the provisions of Rate DS, Service at Secondary Distribution Voltage or Rate DP, Service at Primary Distribution Voltage shall be applicable initiating with the June revenue month billing and shall continue until the term of service of that rate is fulfilled. In the case where a customer's average demand is estimated by the Company to be significantly greater than 500 kilowatts, the Company may, at its discretion, waive the twelve month demand history requirement in the determination of the applicability of this rate.

The supplying of, and billing for, service and all conditions applying thereto, are subject to the jurisdiction of the Kentucky Public Service Commission, and to Company's Service Regulations currently in effect, as filed with the Kentucky Public Service Commission, as provided by law.

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Duke Energy Kentucky, Inc.
1262 Cox Road
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RATE EH

OPTIONAL RATE FOR ELECTRIC SPACE HEATING

APPLICABILITY

Applicable to electric service for heating when customer's wiring is so arranged that heating service can be furnished at one point of delivery and can be metered separately from all other types of service or to any public school, parochial school, private school, or church when supplied at one point of delivery, provided permanently connected and regularly used electrical equipment is installed in compliance with the Company specifications as the primary source of heating or heating and cooling the atmosphere to temperatures of human comfort; and provided all other electrical energy requirements are purchased from the Company. No single water heating unit shall be wired that the demand established by it can exceed 5.5 kilowatts unless approved by the Company.

TYPE OF SERVICE

Alternating current 60 Hz, single or three phase at Company's standard distribution voltage of 34,500 volts or lower.

NET MONTHLY BILL

Computed in accordance with the following charges (kilowatts of demand are abbreviated as kW and kilowatt-hours are abbreviated as kWh):

A. Winter Period

1. Base Rate

(a) Customer Charge

Single Phase Service	\$ 15.00 per month
Three Phase Service	\$ 30.00 per month
Primary Voltage Service	\$ 117.00 per month

(b) Energy Charge

All kWh	\$0.0677040 <u>0.069268</u> per kWh (I)
---------	--

2. Applicable Riders

The following riders are applicable pursuant to the specific terms contained within each rider:

Sheet No. 76, Rider ESM, Environmental Surcharge Mechanism Rider

Sheet No. 78, Rider DSMR, Demand Side Management Rider

Sheet No. 80, Rider FAC, Fuel Adjustment Clause

Sheet No. 82, Rider PSM, Profit Sharing Mechanism

The minimum charge shall be the Customer Charge stated above.

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Duke Energy Kentucky, Inc.
1262 Cox Road
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NET MONTHLY BILL (Contd.)

B. Summer Billing Period

For energy used during the summer period, the kilowatt demand and kilowatt-hour use shall be billed in accordance with the provisions of the applicable Rate DS or Rate DP.

For purposes of administration of the above charges, the summer period is defined as that period represented by the Company's billing for the four (4) revenue months of June through September. The winter period is defined as that period represented by the Company's billing for the eight (8) revenue months of January through May and October through December.

DEMAND

Customer's Demand will be the kilowatts as determined from Company's meter for the fifteen-minute period of customer's greatest use during the month or as calculated by the Company, but not less than five (5) kilowatts.

LATE PAYMENT CHARGE

Payment of the Net Monthly Bill must be received in the Company's office within twenty-one (21) days from the date the bill is mailed by the Company. When not so paid, the Gross Monthly Bill, which is the Net Monthly Bill plus 5%, is due and payable.

TERMS AND CONDITIONS

The term of contract shall be for a minimum period of one (1) year terminable thereafter on thirty (30) days written notice by either the customer or the Company.

The supplying of, and billing for, service and all conditions applying thereto, are subject to the jurisdiction of the Kentucky Public Service Commission, and to Company's Service Regulations currently in effect, as filed with the Kentucky Public Service Commission, as provided by law.

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Duke Energy Kentucky, Inc.
1262 Cox Road
Erlanger, Kentucky 41018

RATE SP

SEASONAL SPORTS SERVICE

APPLICABILITY

Applicable to electric service required for sports installations, such as football and baseball fields, swimming pools, tennis courts, and recreational areas, promoted, operated and maintained by non-profit organizations, such as schools, churches, civic clubs, service clubs, community groups, and municipalities, where such service is separately metered and supplied at one point of delivery, except, not applicable to private sports installations which are not open to the general public.

TYPE OF SERVICE

Alternating current 60 Hz, single or three phase at the Company's standard secondary voltage.

NET MONTHLY BILL

Computed in accordance with the following charges (kilowatt hours are abbreviated as kWh):

- 1. Base Rate
 - (a) Customer Charge \$15.00 per month
 - (b) Energy Charge ~~\$0.1064040~~ 0.107965 per kWh (I)

2. Applicable Riders

The following riders are applicable pursuant to the specific terms contained within each rider:
Sheet No. 76, Rider ESM, Environmental Surcharge Mechanism Rider
Sheet No. 78, Rider DSMR, Demand Side Management Rider
Sheet No. 80, Rider FAC, Fuel Adjustment Clause
Sheet No. 82, Rider PSM, Profit Sharing Mechanism

The minimum charge shall be a sum equal to 1.5% of the Company's installed cost of transformers and metering equipment required to supply and measure service, but not less than the customer charge whether service is on or disconnected.

RECONNECTION CHARGE

A charge per Sheet No. 91, Charge for Reconnection of Service is applicable to each season to cover in part the cost of reconnection of service.

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LATE PAYMENT CHARGE

Payment of the Net Monthly Bill must be received in the Company's office within twenty-one (21) days from the date the bill is mailed by the Company. When not so paid, the Gross Monthly Bill, which is the Net Monthly Bill plus 5%, is due and payable.

TERMS AND CONDITIONS

The term of contract shall be for a minimum period of one (1) year terminable thereafter on thirty (30) days written notice by either the customer or the Company.

The supplying of, and billing for, service and all conditions applying thereto, are subject to the jurisdiction of the Kentucky Public Service Commission, and to the Company's Service Regulations currently in effect, as filed with the Kentucky Public Service Commission, as provided by law.

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Duke Energy Kentucky, Inc.
1262 Cox Road
Erlanger, KY 41018

RATE GS-FL

OPTIONAL UNMETERED GENERAL SERVICE RATE FOR SMALL FIXED LOADS

APPLICABILITY

Applicable to electric service in the Company's entire territory for small fixed, electric load which can be served by a standard service drop from the Company's existing secondary distribution system where it is considered by the Company to be impractical to meter, such as service locations for bus shelters, telephone booths, navigation lights and beacons, and cable television power supplies.

TYPE OF SERVICE

Alternating current 60 Hz, at nominal voltages of 120, 120/240 or 120/208 volts, single phase, unmetered. Service of other characteristics, where available, may be furnished at the option of the Company.

NET MONTHLY BILL

Computed in accordance with the following charges and based upon calculated energy use determined by the rated capacity of the connected equipment:

1. Base Rate

- (a) For loads based on a range of 540 to 720 hours use per month of the rated capacity of the connected equipment \$~~0.0895050~~.091069 per kWh (I)
- (b) For loads of less than 540 hours use per month of the rated capacity of the connected equipment \$~~0.1031350~~.104699 per kWh (I)

2. Applicable Riders

The following riders are applicable pursuant to the specific terms contained within each rider:

- Sheet No. 76, Rider ESM, Environmental Surcharge Mechanism Rider
- Sheet No. 78, Rider DSMR, Demand Side Management Rider
- Sheet No. 80, Rider FAC, Fuel Adjustment Clause
- Sheet No. 82, Rider PSM, Profit Sharing Mechanism

Minimum: \$3.23 per Fixed Load Location per month.

LATE PAYMENT CHARGE

Payment of the Net Monthly Bill must be received in the Company's office within twenty-one (21) days from the date the bill is mailed by the Company. When not so paid, the Gross Monthly Bill, which is the Net Monthly Bill plus 5%, is due and payable.

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Duke Energy Kentucky, Inc.
1262 Cox Road
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SERVICE PROVISIONS

- (1) Each separate point of delivery of service shall be considered a Fixed Load Location.
- (2) Only one supply service will be provided to a customer under this Schedule as one Fixed Load Location.
- (3) The customer shall furnish switching equipment satisfactory to the Company.
- (4) The calculated energy use per month shall be determined by the Company taking into consideration the size and operating characteristics of the load.
- (5) The customer shall notify the Company in advance of every change in connected load or operating characteristics, and the Company reserves the right to inspect the customer's equipment at any time to verify the actual load. In the event of the customer's failure to notify the Company of any such changes, the Company reserves the right to refuse to serve the Fixed Load thereafter under this Schedule, and shall be entitled to bill the customer retroactively on the basis of the changed load and operating characteristics for the full period such load was connected.

TERM OF SERVICE

One (1) year, terminable thereafter on thirty (30) days written notice by either the customer or the Company.

SERVICE REGULATIONS

The supplying of, and billing for, service and all conditions applying thereto, are subject to the jurisdiction of the Kentucky Public Service Commission, and to the Company's Service Regulations currently in effect, as filed with the Kentucky Public Service Commission, as provided by law.

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Issued by Amy B. Spiller, President /s/ Amy B. Spiller

Duke Energy Kentucky, Inc.
1262 Cox Road
Erlanger, KY 41018

RATE DP

SERVICE AT PRIMARY DISTRIBUTION VOLTAGE

APPLICABILITY

Applicable to electric service for usual customer load requirements where the Company specifies service at nominal primary distribution system voltages of 12,500 volts or 34,500 volts, and the Company determines that facilities of adequate capacity are available and adjacent to the premises to be served, and the customer's average monthly demand is determined by the Company to be less than 500 kilowatts. Electric service must be supplied at one point of delivery and is not applicable for resale service.

When both single and three phase secondary voltage services are required by a customer, the monthly kilowatt-hour usage and kilowatt demands shall be the respective arithmetical sums of both services.

TYPE OF SERVICE

Alternating current 60 Hz, single phase or three phase at Company's standard distribution voltage of 34,500 volts or lower.

NET MONTHLY BILL

Computed in accordance with the following charges provided, however, that the maximum monthly rate, excluding the customer charge, and all applicable riders shall not exceed \$0.262020 per kilowatt-hour (Kilowatt of demand is abbreviated as kW and kilowatt-hours are abbreviated as kWh):

1. Base Rate

(a) Customer Charge				
Primary Voltage Service (12.5 or 34.5 kV)	\$ 117.00	per month		
(b) Demand Charge				
All kilowatts	\$ 8.60	per kW		
(c) Energy Charge				
First 300 kWh/kW	\$0.0554890 <u>0.057053</u>	per kWh	(I)	
Additional kWh	\$0.0469170 <u>0.048481</u>	per kWh	(I)	

2. Applicable Riders

The following riders are applicable pursuant to the specific terms contained within each rider:
Sheet No. 76, Rider ESM, Environmental Surcharge Mechanism Rider
Sheet No. 78, Rider DSMR, Demand Side Management Rider
Sheet No. 80, Rider FAC, Fuel Adjustment Clause
Sheet No. 82, Rider PSM, Profit Sharing Mechanism

The minimum charge shall be the Customer Charge shown above.

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Duke Energy Kentucky, Inc.
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PRIMARY VOLTAGE METERING DISCOUNT

The Company may meter at secondary or primary voltage as circumstances warrant. If the Company elects to meter at primary voltage, the kilowatt-hours registered on the Company's meter will be reduced one and one-half percent (1.5%) for billing purposes.

DEMAND

The demand shall be the kilowatts derived from the Company's demand meter for the fifteen-minute period of customer's greatest use during the billing period, as determined by the Company, adjusted for power factor, as provided herein. At its option, the Company may not install a demand meter if the nature of the load clearly indicates the load will have a constant demand, in which case the demand will be the calculated demand.

In no event will the billing demand be taken as less than 85% of the highest monthly kilowatt demand established in the summer period and effective for the next succeeding eleven (11) months.

If a customer requests reconnection of an account within twelve (12) months of a disconnection order, the customer's demand record for the period of disconnection will be re-established for purposes of billing and administration of the preceding clause.

For purposes of administration of the above clause, the summer period is defined as that period represented by the Company's billing for the four (4) revenue months of June through September. The winter period is defined as that period represented by the Company's billing for the eight (8) revenue months of January through May and October through December.

POWER FACTOR ADJUSTMENT

The power factor to be maintained shall be not less than 90% lagging. If the Company determines customer's power factor to be less than 90%, the billing demand will be the number of kilowatts equal to the kilovolt amperes multiplied by 0.90.

At the Company's option, power factor may be determined by the following methods:

- a. Continuous measurement
 - the power factor, as determined during the interval in which the maximum kW demand is established, will be used for billing purposes; or
- b. Testing
 - the power factor, as determined during a period in which the customer's measured kW demand is not less than 90% of the measured maximum kW demand of the preceding billing period, will be used for billing purposes until superseded by a power factor determined by a subsequent test made at the direction of Company or request of customer.

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LATE PAYMENT CHARGE

Payment of the Net Monthly Bill must be received in the Company's office within twenty-one (21) days from the date the bill is mailed by the Company. When not so paid, the Gross Monthly Bill, which is the Net Monthly Bill plus 5%, is due and payable.

TERMS AND CONDITIONS

The initial term of contract shall be for a minimum period of five (5) years terminable thereafter as prescribed by the Company's Service Regulations.

- (1) For customers with a most recent twelve month average demand of less than 10,000 kVA, thirty days written notice.
- (2) For customers with a most recent twelve month average demand of 10,000 kVA or greater, written notice twelve months in advance of the desired termination date.

The Company is not obligated to extend, expand or rearrange its transmission system voltage if it determines that existing distribution and/or transmission facilities are of adequate capacity to serve the customer's load.

If the Company offers to provide the necessary facilities for transmission service, in accordance with its Service Regulations, an annual facilities charge, applicable to such additional facilities, is established at twenty (20) percent of actual cost. The annual facilities charge shall be billed in twelve monthly installments to be added to the demand charge.

For purposes of administration of this rate, the Company will determine the customer's average monthly demand based upon the twelve months ending December of each year after the applicable term of service has been fulfilled by the customer. If the customer's monthly demand exceeds 500 kilowatts and the Company expects the customer's demand to remain in excess of 500 kilowatts, then the Company will notify the customer prior to May of the succeeding year that the provisions of Rate DT, Time-of-Day Rate for Distribution Service shall be applicable beginning with the June revenue month billing and shall continue until the term of service of that rate has been fulfilled. In the case where a customer's average demand is estimated by the Company to be significantly less than 500 kilowatts, the Company may, at its discretion, waive the twelve month demand history requirement in the determination of the applicability of this rate.

The supplying of, and billing for, service and all conditions applying thereto, are subject to the jurisdiction of the Kentucky Public Service Commission, and to Company's Service Regulations currently in effect, as filed with the Kentucky Public Service Commission, as provided by law.

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Duke Energy Kentucky, Inc.
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RATE TT

TIME-OF-DAY RATE FOR SERVICE AT TRANSMISSION VOLTAGE

APPLICABILITY

Applicable to electric service for usual customer load requirements where the Company specifies service at a nominal transmission system voltage of 69,000 volts or higher, and the Company determines that facilities of adequate capacity are available and adjacent to the premises to be served. Electric service must be supplied at one point of delivery and the customer furnishes and maintains all transformation equipment and appurtenances necessary to utilize the service.

Service is applicable for ultimate use by the customer and is not applicable for standby, supplemental, emergency or resale service.

TYPE OF SERVICE

Alternating current 60 Hz, three phase at Company's standard transmission voltage of 69,000 volts or higher.

NET MONTHLY BILL

Computed in accordance with the following charges (kilowatts of demand are abbreviated as kW and kilowatt-hours are abbreviated as kWh):

1.	Base Rate				
	(a) Customer Charge		\$ 500.00	per month	
	(b) Demand Charge				
	Summer				
	On Peak kW		\$ 8.51	per kW	
	Off Peak kW		\$ 1.29	per kW	
	Winter				
	On Peak kW		\$ 6.98	per kW	
	Off Peak kW		\$ 1.29	per kW	
	(c) Energy Charge				
	Summer				
kWh	On Peak kWh		\$ 0.0517420 <u>0.053306</u>	per	(I)
kWh	Off Peak kWh		\$ 0.0423720 <u>0.043936</u>	per	(I)
	Winter				
	On Peak kWh		\$ 0.0493950 <u>0.050959</u>	per	(I)

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kWh				
	Off Peak kWh		\$ <u>0.0423720.043936</u>	per (I)
kWh				

NET MONTHLY BILL (Contd.)

2. Applicable Riders

The following riders are applicable pursuant to the specific terms contained within each rider:

- Sheet No. 76, Rider ESM, Environmental Surcharge Mechanism Rider
- Sheet No. 78, Rider DSMR, Demand Side Management Rider
- Sheet No. 80, Rider FAC, Fuel Adjustment Clause
- Sheet No. 82, Rider PSM, Profit Sharing Mechanism

The minimum charge shall be not less than fifty percent (50%) of the highest demand charge established during the preceding eleven (11) months.

For purposes of administration of the above charges, the summer is defined as that period represented by the Company's billing for the four (4) revenue months of June through September. The winter period is defined as that period represented by the Company's billing for the eight (8) revenue months of January through May and October through December.

RATING PERIODS

The rating periods applicable to the demand charge shall be as follows:

- a) On Peak Period
Summer - 11 a.m. to 8 p.m. Monday through Friday, excluding holidays.
Winter - 9 a.m. to 2 p.m. and 5 p.m. to 9 p.m., Monday through Friday, excluding holidays.
- b) Off Peak Period - all hours Monday through Friday not included above plus all day Saturday and Sunday as well as New Year's Day, President's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day, and Christmas Day on the day nationally designated to be celebrated as such.

METERING

The Company may meter at secondary or primary voltage as circumstances warrant. If the Company elects to meter at secondary voltage, the kilowatt-hours registered on the Company's meter will be increased one and one-half percent (1.5%) for billing purposes.

DEMAND

The On Peak billing demand shall be the kilowatts derived from the Company's demand meter for the fifteen minute period of greatest use in the on peak rating period adjusted for power factor as provided herein. The Off Peak billing demand shall be the kilowatts derived from the Company's demand meter for the fifteen minute period of greatest use in the off peak rating period adjusted for power factor minus

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the On Peak billing demand. In no case shall the Off Peak billing demand be less than zero.

POWER FACTOR ADJUSTMENT

The power factor to be maintained shall be not less than 90% lagging. If the Company determines the customer's power factor to be less than 90%, the on peak and off peak billing demands will be the number of kilowatts equal to the respective on peak and off peak kilovolt amperes multiplied by 0.90.

The power factor, as determined by continuous measurement, will be derived from the intervals in which the maximum on peak and off peak kW demands are established.

LATE PAYMENT CHARGE

Payment of the Net Monthly Bill must be received in the Company's office within twenty-one (21) days from the date the bill is mailed by the Company. When not so paid, the Gross Monthly Bill, which is the Net Monthly Bill plus 5%, is due and payable.

TERMS AND CONDITIONS

The initial term of contract shall be for a minimum period of five (5) years terminable thereafter by either the customer or the Company as follows:

- (1) Thirty (30) days after receipt of written notice for customers with a most recent twelve (12) months average on peak demand of less than 10,000 kW.
- (2) Twelve (12) months after receipt of written notice for customers with a most recent twelve (12) months average on peak demand of greater than 10,000 kW.

The Company is not obligated to extend, expand or rearrange its transmission system if it determines that existing distribution and/or transmission facilities are of adequate capacity to serve the customer's load.

If the Company offers to provide the necessary facilities for transmission voltage, in accordance with its Service Regulations, an annual facilities charge, applicable to such additional facilities, is established at twenty (20) percent of actual cost. The annual facilities charge shall be billed in twelve monthly installments to be added to the demand charge.

The supplying of, and billing for, service and all conditions applying thereto, are subject to the jurisdiction of the Kentucky Public Service Commission, and to Company's Service Regulations currently in effect, as filed with the Kentucky Public Service Commission, as provided by law.

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KY.P.S.C. Electric No. 2
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RATE SL

STREET LIGHTING SERVICE

APPLICABILITY

Applicable to municipal, county, state and Federal governments, including divisions thereof, and incorporated homeowners associations, for the lighting of public streets and roads with Company-owned lighting fixtures.

Mercury Vapor lighting fixtures will not be installed by the Company after June 1, 2003. As currently installed Mercury Vapor fixtures are retired and/or replaced, they may be replaced with either Metal Halide or Sodium Vapor fixtures as the customer chooses.

This rate schedule is no longer available after December 31, 2006. Potential lighting customers wanting a lighting system installed and maintained by Company can do so via the Outdoor Lighting Equipment agreement (OLE). Potential customers should contact a Company account representative for further information concerning OLE options. This rate schedule terminates December 31, 2026. Customers currently being provided service under this rate schedule can continue being provided service under this rate schedule for the remaining useful life of the facilities, or this rate schedule terminates, whichever occurs first.

TYPE OF SERVICE

All equipment owned by the Company will be installed and maintained by the Company. All lamps will burn from dusk to dawn, approximately 4,160 hours per annum. The Company will endeavor to replace burned-out lamps within 48 hours after notification by the customer. The Company does not guarantee continuous lighting or electric service and shall not be liable to the customer or anyone else for any damage, loss or injury due to any cause.

NET MONTHLY BILL

The following monthly charge for each unit with lamp and luminaire, controlled automatically, will be assessed:

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NET MONTHLY BILL (Contd.)

1. Base Rate

<u>OVERHEAD DISTRIBUTION AREA</u>	Lamp <u>Watt</u>	<u>kW/Unit</u>	Annual <u>kWh</u>	<u>Rate/Unit</u>	
Fixture Description					
Standard Fixture (Cobra Head)					
Mercury Vapor					
7,000 lumen	175	0.193	803	\$ 7.827.92	(I)
7,000 lumen (Open Refractor)	175	0.205	853	\$ 6.536.64	(I)
10,000 lumen	250	0.275	1,144	\$ 9.039.18	(I)
21,000 lumen	400	0.430	1,789	\$ 12.0912.32	(I)
Metal Halide					
14,000 lumen	175	0.193	803	\$ 7.827.92	(I)
20,500 lumen	250	0.275	1,144	\$ 9.039.18	(I)
36,000 lumen	400	0.430	1,789	\$ 12.0912.32	(I)
Sodium Vapor					
9,500 lumen	100	0.117	487	\$ 8.658.71	(I)
9,500 lumen (Open Refractor)	100	0.117	487	\$ 6.506.56	(I)
16,000 lumen	150	0.171	711	\$ 9.449.53	(I)
22,000 lumen	200	0.228	948	\$ 12.2412.36	(I)
27,500 lumen	250	0.275	948	\$ 12.2412.36	(I)
50,000 lumen	400	0.471	1,959	\$ 16.4516.71	(I)
Decorative Fixtures					
Sodium Vapor					
9,500 lumen (Rectilinear)	100	0.117	487	\$ 10.7610.82	(I)
22,000 lumen (Rectilinear)	200	0.246	1,023	\$ 13.3013.43	(I)
50,000 lumen (Rectilinear)	400	0.471	1,959	\$ 17.6017.86	(I)
50,000 lumen (Setback)	400	0.471	1,959	\$ 26.4726.43	(I)

Where a street lighting fixture served overhead is to be installed on another utility's pole on which the Company does not have a contact, a monthly pole charge will be assessed.

Spans of Secondary Wiring:

For each increment of 50 feet of secondary wiring beyond the first 150 feet from the pole, the following price per month shall be added to the price per month per street lighting unit: \$0.57.

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NET MONTHLY BILL (Contd.)

<u>UNDERGROUND DISTRIBUTION AREA</u>	<u>Lamp Watt</u>	<u>kW/Unit</u>	<u>Annual kWh</u>	<u>Rate/Unit</u>	
Fixture Description					
Standard Fixture (Cobra Head)					
Mercury Vapor					
7,000 lumen	175	0.210	874	\$ <u>7,968.07</u>	(I)
7,000 lumen (Open Refractor)	175	0.205	853	\$ <u>6,536.64</u>	(I)
10,000 lumen	250	0.292	1,215	\$ <u>9,199.35</u>	(I)
21,000 lumen	400	0.460	1,914	\$ <u>12,3812.63</u>	(I)
Metal Halide					
14,000 lumen	175	0.210	874	\$ <u>7,968.07</u>	(I)
20,500 lumen	250	0.292	1,215	\$ <u>9,199.35</u>	(I)
36,000 lumen	400	0.460	1,914	\$ <u>12,3812.63</u>	(I)
Sodium Vapor					
9,500 lumen	100	0.117	487	\$ <u>8,658.71</u>	(I)
9,500 lumen (Open Refractor)	100	0.117	487	\$ <u>6,596.65</u>	(I)
16,000 lumen	150	0.171	711	\$ <u>9,419.50</u>	(I)
22,000 lumen	200	0.228	948	\$ <u>12,2412.36</u>	(I)
27,500 lumen	250	0.318	1,323	\$ <u>12,2412.41</u>	(I)
50,000 lumen	400	0.471	1,959	\$ <u>16,4516.71</u>	(I)
Decorative Fixtures					
Mercury Vapor					
7,000 lumen (Town & Country)	175	0.205	853	\$ <u>8,238.34</u>	(I)
7,000 lumen (Holophane)	175	0.210	874	\$ <u>10,3410.45</u>	(I)
7,000 lumen (Gas Replica)	175	0.210	874	\$ <u>23,6423.75</u>	(I)
7,000 lumen (Granville)	175	0.205	853	\$ <u>8,328.43</u>	(I)
7,000 lumen (Aspen)	175	0.210	874	\$ <u>14,9715.08</u>	(I)
Metal Halide					
14,000 lumen (Traditionaire)	175	0.205	853	\$ <u>8,228.33</u>	(I)
14,000 lumen (Granville Acorn)	175	0.210	874	\$ <u>14,9715.08</u>	(I)
14,000 lumen (Gas Replica)	175	0.210	874	\$ <u>23,7223.83</u>	(I)
14,500 lumen (Gas Replica)	175	0.207	861	\$ <u>23,7223.83</u>	(I)
Sodium Vapor					
9,500 lumen (Town & Country)	100	0.117	487	\$ <u>12,0212.08</u>	(I)
9,500 lumen (Holophane)	100	0.128	532	\$ <u>13,0213.09</u>	(I)
9,500 lumen (Rectilinear)	100	0.117	487	\$ <u>9,719.77</u>	(I)
9,500 lumen (Gas Replica)	100	0.128	532	\$ <u>24,4924.56</u>	(I)
9,500 lumen (Aspen)	100	0.128	532	\$ <u>15,1715.24</u>	(I)
9,500 lumen (Traditionaire)	100	0.117	487	\$ <u>12,0212.08</u>	(I)
9,500 lumen (Granville Acorn)	100	0.128	532	\$ <u>15,1715.24</u>	(I)

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NET MONTHLY BILL (Contd.)

UNDERGROUND DISTRIBUTION AREA
 (Contd.)

Fixture Description	Lamp Watt	kW/Unit	Annual kWh	Rate/Unit	
Decorative Fixtures (Contd.)					
Sodium Vapor (Contd.)					
22,000 lumen (Rectilinear)	200	0.246	1,023	\$13.37 13.50	(I)
50,000 lumen (Rectilinear)	400	0.471	1,959	\$17.66 17.92	(I)
50,000 lumen (Setback)	400	0.471	1,959	\$26.17 26.43	(I)

POLE CHARGES

Pole Description	Pole Type	Rate/Pole
Wood		
17 foot (Wood Laminated) (a)	W17	\$ 4.84
30 foot	W30	\$ 4.78
35 foot	W35	\$ 4.84
40 foot	W40	\$ 5.80
Aluminum		
12 foot (decorative)	A12	\$13.16
28 foot	A28	\$ 7.63
28 foot (heavy duty)	A28H	\$ 7.71
30 foot (anchor base)	A30	\$15.24
Fiberglass		
17 foot	F17	\$ 4.84
12 foot (decorative)	F12	\$14.15
30 foot (bronze)	F30	\$ 9.21
35 foot (bronze)	F35	\$ 9.46
Steel		
27 foot (11 gauge)	S27	\$12.44
27 foot (3 gauge)	S27H	\$18.76

Spans of Secondary Wiring:

For each increment of 25 feet of secondary wiring beyond the first 25 feet from the pole, the following price per month shall be added to the price per month per street lighting unit: \$0.83.

Additional facilities, other than specified above, if required, will be billed at the time of installation.

(a) Note: New or replacement poles no longer available.

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2. Base Fuel Cost

The rates per unit shown above include a charge of \$~~0.0238370~~0.025401 per kilowatt-hour reflecting the base (1) cost of fuel.

3. Applicable Riders

The following riders are applicable pursuant to the specific terms contained within each rider:
Sheet No. 76, Rider ESM, Environmental Surcharge Mechanism Rider
Sheet No. 80, Rider FAC, Fuel Adjustment Clause
Sheet No. 82, Rider PSM, Profit Sharing Mechanism

LATE PAYMENT CHARGE

Payment of the Net Monthly Bill must be received in the Company's office within twenty-one (21) days from the date the bill is mailed by the Company. When not so paid, the Gross Monthly Bill, which is the Net Monthly Bill plus 5%, is due and payable.

TERM OF SERVICE

The street lighting units are installed for the life of the unit, and then its terminable on one hundred twenty (120) days written notice by either customer or Company subject to Paragraph 4 or 6 under General Conditions.

GENERAL CONDITIONS

- (1) If the customer requires the installation of a unit at a location which requires the extension, relocation, or rearrangement of the Company's distribution system, the customer shall, in addition to the monthly charge, pay the Company on a time and material basis, plus overhead charges, the cost of such extension, relocation, or rearrangement, unless in the judgment of the Company no charge should be made. An estimate of the cost will be submitted for approval before work is carried out.
- (2) Installation of street lighting units will be predicated on the ability of the Company to obtain, without cost to itself or the payment or other consideration, all easements and rights-of-way which, in the opinion of the Company, are necessary for the construction, maintenance and operation of the street lights, standards, anchors and/or service wires. If such easements and rights-of-way cannot be so obtained, the Company shall have no obligation hereunder to install such units.
- (3) The time within which the Company will be able to commence or to complete the services to be performed is dependent on the Company's ability to secure the materials required, and the Company shall not be responsible for failure to install these street light units for such reason.

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GENERAL CONDITIONS (Contd.)

- (4) If an installed street lighting unit is required to be relocated, removed, or replaced with another unit of the same or less rated lamp wattage, the ordering Authority shall pay the Company the sacrifice value of the unit, plus labor and overhead charges, unless in the judgment of the Company no charge should be made. An estimate of the cost will be submitted for approval before work is carried out.
- (5) Lamps and refractors which are maintained by the Company shall be kept in good operating condition by and at the expense of the Company.

In cases of vandalism, the Company will repair the damaged property and the customer shall pay for such repair on a time and material basis, plus overhead charges, unless in the judgment of the Company no charge should be made. An estimate of the cost will be submitted for approval before work is carried out.

- (6) When a street lighting unit reaches end of life or becomes obsolete and parts cannot be reasonably obtained, the Company can remove the unit at no expense to the customer after notifying the customer. The customer shall be given the opportunity to arrange for another type lighting unit provided by the Company.

SERVICE REGULATIONS

The supplying of, and billing for, service and all conditions applying thereto, are subject to the jurisdiction of the Kentucky Public Service Commission, and to Company's Service Regulations currently in effect, as filed with the Kentucky Public Service Commission, as provided by law.

Issued by authority of an Order of the Kentucky Public Service Commission dated ~~_____ October 16, 2020~~ in Case No. ~~2019-002742021-00057~~.

Issued: ~~October 29, 2020~~

Effective: ~~October 29, 2020~~

Issued by Amy B. Spiller, President /s/ Amy B. Spiller

Duke Energy Kentucky, Inc.
1262 Cox Road
Erlanger, KY 41018

RATE TL

TRAFFIC LIGHTING SERVICE

APPLICABILITY

Applicable to the supplying of energy for traffic signals or other traffic control lighting on public streets and roads. After April 2, 1990, this tariff schedule shall only be applicable to municipal, county, state and local governments. In the application of this tariff, each point of delivery shall be considered as a separate customer.

TYPE OF SERVICE

Alternating current 60 Hz, single phase at the Company's standard secondary voltage.

NET MONTHLY BILL

Computed in accordance with the following charges:

1. Base Rate

- (a) Where the Company supplies energy only, all kilowatt-hours shall be billed at ~~\$0.0418730~~ \$0.043437 (I)
per kilowatt-hour;
- (b) Where the Company supplies energy from a separately metered source and the Company has agreed to provide limited maintenance for traffic signal equipment, all kilowatt-hours shall be billed at \$0.023187 per kilowatt-hour.
- (c) Where the Company supplies energy and has agreed to provide limited maintenance for traffic signal equipment, all kilowatt-hours shall be billed at ~~\$0.0650600~~ \$0.066624 per kilowatt-hour. (I)

2. Applicable Riders

The following riders are applicable pursuant to the specific terms contained within each rider:
Sheet No. 76, Rider ESM, Environmental Surcharge Mechanism Rider
Sheet No. 80, Rider FAC, Fuel Adjustment Clause
Sheet No. 82, Rider PSM, Profit Sharing Mechanism

LATE PAYMENT CHARGE

Payment of the Net Monthly Bill must be received in the Company's office within twenty-one (21) days from the date the bill is mailed by the Company. When not so paid, the Gross Monthly Bill, which is the Net Monthly Bill plus 5%, is due and payable.

TERM OF SERVICE

One year, terminable thereafter on thirty (30) days written notice by either customer or Company.

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Duke Energy Kentucky, Inc.
1262 Cox Road
Erlanger, KY 41018

GENERAL CONDITIONS

- (1) Billing will be based on the calculated kilowatt-hour consumption taking into consideration the size and characteristics of the load.
- (2) Where the average monthly usage is less than 110 kWh per point of delivery, the customer shall pay the Company, in addition to the monthly charge, the cost of providing the electric service on the basis of time and material plus overhead charges. An estimate of the cost will be submitted for approval before the work is carried out.
- (3) The location of each point of delivery shall be mutually agreed upon by the Company and the customer. In overhead distribution areas, the point of delivery shall be within 150 feet of existing secondary wiring. In underground distribution areas, the point of delivery shall be at an existing secondary wiring service point.
- (4) If the customer requires a point of delivery which requires the extension, relocation, or rearrangement of Company's distribution system, the customer shall pay the Company, in addition to the monthly charge, the cost of such extension, relocation, or rearrangement on the basis of time and material plus overhead charges unless, in the judgment of the Company, no payment shall be made. An estimate of the cost will be submitted for approval before work is carried out.

LIMITED MAINTENANCE

Limited maintenance for traffic signals is defined as cleaning and replacing lamps, and repairing connections in wiring which are of a minor nature. Limited maintenance for traffic controllers is defined as cleaning, oiling, adjusting and replacing contacts which are provided by customer, time-setting when requested, and minor repairs to defective wiring.

SERVICE REGULATIONS

The supplying of, and billing for, service and all conditions applying thereto, are subject to the jurisdiction of the Kentucky Public Service Commission, and to Company's Service Regulations currently in effect, as filed with the Kentucky Public Service Commission, as provided by law.

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Duke Energy Kentucky, Inc.
1262 Cox Road
Erlanger, KY 41018

RATE UOLS

UNMETERED OUTDOOR LIGHTING ELECTRIC SERVICE

APPLICABILITY

Applicable for electric energy usage only for any street or outdoor area lighting system (System), operating during the dusk to dawn time period, on private or public property and owned by the customer or the Company. The customer must be adjacent to an electric power line of the Company that is adequate and suitable for supplying the necessary electric service.

Service under this tariff schedule shall require a written agreement between the customer and the Company specifying the calculated lighting kilowatt-hours. The System shall comply with the connection requirements in the Company's Electric Service Regulations, Section III, Customer's and Company's Installations.

CONTRACT FOR SERVICE

The customer will enter into an Agreement for Electric Service for Outdoor Lighting for a minimum of one year and renewable annually, automatically, thereafter.

The Company will provide unmetered electric service based on the calculated annual energy usage for each luminaire's lamp wattage plus ballast usage (impact wattage). The System kilowatt-hour usage shall be determined by the number of lamps and other System particulars as defined in the written agreement between the customer and Company. The monthly kilowatt-hour amount will be billed at the rate contained in the NET MONTHLY BILL section below.

LIGHTING HOURS

The unmetered lighting System will be operated automatically by either individual photoelectric controllers or System controller(s) set to operate on either dusk-to-dawn lighting levels or on pre-set timers for any hours between dusk-to-dawn. The hours of operation will be agreed upon between the customer and the Company and set out in the Agreement. Dusk-to-dawn lighting typically turns on and off approximately one-half (1/2) hour after sunset and one-half (1/2) hour before sunrise which is approximately 4160 hours annually.

NET MONTHLY BILL

Computed in accordance with the following charge:

- | | | | |
|----|----------------------|---|-----|
| 1. | Base Rate
All kWh | \$ 0.0412290 <u>0.042793</u> per kWh | (I) |
|----|----------------------|---|-----|

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Duke Energy Kentucky, Inc.
1262 Cox Road
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NET MONTHLY BILL (Contd.)

2. Applicable Riders

The following riders are applicable pursuant to the specific terms contained within each rider:

- Sheet No. 76, Rider ESM, Environmental Surcharge Mechanism Rider
- Sheet No. 80, Rider FAC, Fuel Adjustment Clause
- Sheet No. 82, Rider PSM, Profit Sharing Mechanism

LATE PAYMENT CHARGE

Payment of the Net Monthly Bill must be received in the Company's office within twenty-one (21) days from the date the bill is mailed by the Company. When not so paid, the Gross Monthly Bill which is the Net Monthly Bill plus 5%, is due and payable.

OWNERSHIP OF SERVICE LINES

Company will provide, install, own, operate and maintain the necessary facilities for furnishing electric service to the System defined in the agreement. If the customer requires the installation of a System at a location which requires the extension, relocation, or rearrangement of the Company's distribution system, the customer shall, in addition to the monthly charge, pay the Company on a time and material basis, plus overhead charges, the cost of such extension, relocation, or rearrangement, unless in the judgment of the Company no charge should be made. An estimate of the cost will be submitted for approval before work is carried out.

The Company shall erect the service lines necessary to supply electric energy to the System within the limits of the public streets and highways or on private property as mutually agreed upon by the Company and the customer. The customer shall assist the Company, if necessary, in obtaining adequate written easements covering permission to install and maintain any service lines required to serve the System.

The Company shall not be required to pay for obtaining permission to trim or re-trim trees where such trees interfere with lighting output or with service lines or wires of the Company used for supplying electric energy to the System. The customer shall assist the Company, if necessary, in obtaining permission to trim trees where the Company is unable to obtain such permission through its own best efforts.

SERVICE REGULATIONS

The supplying of, and billing for, service and all conditions applying thereto, are subject to the jurisdiction of the Kentucky Public Service Commission, and to Company's Service Regulations currently in effect, as filed with the Kentucky Public Service Commission.

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Duke Energy Kentucky, Inc.
1262 Cox Road
Erlanger, KY 41018

KY.P.S.C. Electric No. 2
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RATE LED

LED OUTDOOR LIGHTING ELECTRIC SERVICE

APPLICABILITY

To any customer seeking unmetered roadway or other unmetered outdoor illumination from Company owned LED technology. Customer must be adjacent to an electric power line of Company that is adequate and suitable for supplying the necessary electric service. Specific program technologies, services, pricing, and requirements are addressed below. Service hereunder is provided for the sole and exclusive benefit of the customer, and nothing herein or in the contract executed hereunder is intended to benefit any third party or to impose any obligation on the Company to any such third party.

Service under this tariff schedule shall require a written agreement between the customer and the Company specifying the calculated lighting kilowatt-hours. The LED System shall comply with the connection requirements in the Company's Electric Service Regulations, Section III and Section IV, Customer's and Company's Installations respectively.

CHARACTER OF SERVICE

The Company will provide automatically controlled unmetered lighting service, alternating current, 60 cycle, single phase, at the Company's standard voltage available. This service may include "smart" lighting technologies.

The Company will provide unmetered electric service based on the calculated annual energy usage for each luminaire's lamp wattage plus ballast usage (impact wattage). The LED System kilowatt-hour usage shall be determined by the number of lamps and other LED System particulars as defined in the written agreement between the customer and Company. The monthly kilowatt-hour amount will be billed at the rate contained in the NET MONTHLY BILL section below.

LIGHTING HOURS

All unmetered lighting systems, under this rate schedule, will be operated automatically. Annual estimated operating hours for dusk-to-dawn levels will be based on regional National Weather Service hours for sunrise and sunset times. Dusk-to-dawn lighting typically turns on and off approximately one-half (1/2) hour after sunset and one-half (1/2) hour before sunrise which is approximately 4160 hours annually.

NET MONTHLY BILL

Computed in accordance with the following charges:

- 1. Base Rate
All kWh \$~~0.0412290.042793~~ per kWh (I)

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NET MONTHLY BILL (Contd.)

Energy charge based on the following calculation:

- a. Lamp watts plus ballast wattage equals impact watts
- b. Watts times estimated annual burn hours as set in agreement equals annual watt hours
- c. Annual watt hours divided by 1000 hours equals annual kilowatt hours (kWh)
- d. Annual kWh divided by twelve (12) months equals monthly kWh
- e. Monthly kWh times current rate per kWh = monthly dollar amount per luminaire

The rate shown above includes a charge of \$~~0.0238370.025401~~ per kilowatt-hour reflecting the base cost of fuel. (I)

2. Applicable Riders

The following riders are applicable pursuant to the specific terms contained within each rider:
 Sheet No. 76, Rider ESM, Environmental Surcharge Mechanism Rider
 Sheet No. 80, Rider FAC, Fuel Adjustment Clause
 Sheet No. 82, Rider PSM, Profit Sharing Mechanism

3. Monthly Maintenance, Fixture, Pole, Pole Foundation, Brackets, and Wire Equipment Charges:

I. Fixtures				Per Unit Per Month		
Billing Type	Description	Initial Lumens	Lamp Wattage	Monthly kWh	Fixture	Maintenance
LED NB 50	50W Neighborhood	5,000	50	17	\$4.32	\$4.56
LED NBL 50	50W Neighborhood with Lens	5,000	50	17	\$4.50	\$4.56
LED RDW 50	50W Standard LED	4,521	50	17	\$5.31	\$4.56
LED RDW 70	70W Standard LED	6,261	70	24	\$5.30	\$4.56
LED RDW 110	110W Standard LED	9,336	110	38	\$6.01	\$4.56
LED RDW 150	150W Standard LED	12,642	150	52	\$7.95	\$4.56
LED RDW 220	220W Standard LED	18,642	220	76	\$9.02	\$5.56
LED RDW 280	280W Standard LED	24,191	280	97	\$11.10	\$5.56
LED ACS 50	50W Acorn LED	5,147	50	17	\$13.95	\$4.56
LED DA 50	50W Deluxe Acorn LED	5,147	50	17	\$15.48	\$4.56
LED ODA 70	70W LED Open Deluxe Acorn	6,500	70	24	\$15.09	\$4.56
LED TR 50	50W Traditional LED	3,303	50	17	\$10.11	\$4.56
LED OT 50	50W Open Traditional LED	3,230	50	17	\$10.11	\$4.56
LED MB 50	50W Mini Bell LED	4,500	50	17	\$13.15	\$4.56
LED EN 50	50W Enterprise LED	3,880	50	17	\$13.58	\$4.56

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 Erlanger, KY 41018

LED SAN 70	70W Sanibel LED	5,508	70	24	\$16.75	\$4.56
I. Fixtures (Contd.)				Per Unit Per Month		
Billing Type	Description	Initial Lumens	Lamp Wattage	Monthly kWh	Fixture	Maintenance
LED SAN 150	150W Sanibel LED	12,500	150	52	\$16.75	\$4.56
LED LD 150	150W LED Teardrop	12,500	150	52	\$20.27	\$4.56
LED LDP 50	50W LED Teardrop Pedestrian	4,500	50	17	\$16.45	\$4.56
LED SBX 220	220W LED Shoebox	18,500	220	76	\$14.04	\$5.56
LED SBX 420	420W LED Shoebox	39,078	420	146	\$20.95	\$5.56
LSBX530	530W LED Shoebox	57,000	530	184	\$26.34	\$5.56
LCLE150	150W Clermont LED	12,500	150	52	\$25.00	\$4.56
LFL130	130W Flood LED	14,715	130	45	\$8.58	\$4.56
LFL260	260W Flood LED	32,779	260	90	\$13.50	\$5.56
LMON050	50W Monticello LED	4,157	50	17	\$16.69	\$4.56
LMT050	50W Mitchell Finial	5,678	50	17	\$15.83	\$4.56
LMTR050	50W Mitchell Ribs, Bands, and Medallions LED	5,678	50	17	\$17.44	\$4.56
LMTT050	50W Mitchell Top Hat LED	5,678	50	17	\$15.83	\$4.56
LMTL050	50W Mitchell Top Hat with Ribs, Bands, and Medallions LED	5,678	50	17	\$17.44	\$4.56
LOMO050	50W Open Monticello LED	4,157	50	17	\$16.62	\$4.56

II. Poles		
Billing Type	Description	Charge per Month per Unit
A12A	Style A 12 Ft Long Anchor Base Top Tenon Aluminum	\$6.07
A15D	Style A 15 Ft Long Direct Buried Top Tenon Aluminum	\$5.20
A15A	Style A 15 Ft Long Anchor Base Top Tenon Aluminum	\$6.24
A18D	Style A 18 Ft Long Direct Buried Top Tenon Aluminum	\$5.40
A17A	Style A 17 Ft Long Anchor Base Top Tenon Aluminum	\$6.54
A25D	Style A 25 Ft Long Direct Buried Top Tenon Aluminum	\$10.03
A22A	Style A 22 Ft Long Anchor Base Top Tenon Aluminum	\$7.76
A30D	Style A 30 Ft Long Direct Buried Top Tenon Aluminum	\$11.18

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A27A	Style A 27 Ft Long Anchor Base Top Tenon Aluminum	\$9.17
II. Poles (Contd.)		
Billing Type	Description	Charge per Month per Unit
A35D	Style A 35 Ft Long Direct Buried Top Tenon Aluminum	\$12.44
A32A	Style A 32 Ft Long Anchor Base Top Tenon Aluminum	\$10.59
A41D	Style A 41 Ft Long Direct Buried Top Tenon Aluminum	\$13.44
A12B	Style B 12 Ft Long Anchor Base Post Top Aluminum	\$7.39
A12C	Style C 12 Ft Long Anchor Base Post Top Aluminum	\$10.01
S12V	Style C 12 Ft Long Anchor Base Davit Steel	\$10.01
S14C	Style C 14 Ft Long Anchor Base Top Tenon Steel	\$10.73
S21V	Style C 21 Ft Long Anchor Base Davit Steel	\$26.33
S23C	Style C 23 Ft Long Anchor Base Boston Harbor Steel	\$26.62
A12R	Style D 12 Ft Long Anchor Base Breakaway Aluminum	\$9.91
A12E	Style E 12 Ft Long Anchor Base Post Top Aluminum	\$10.01
A12I	Style F 12 Ft Long Anchor Base Post Top Aluminum	\$10.72
A39T	Legacy Style 39 Ft Direct Buried Single or Twin Side Mount Aluminum Satin Finish	\$16.94
A27S	Legacy Style 27 Ft Long Anchor Base Side Mount Aluminum Pole Satin Finish Breakaway	\$13.06
A33S	Legacy Style 33 Ft Long Anchor Base Side Mount Aluminum Pole Satin Finish Breakaway	\$12.70
A37S	Legacy Style 37 Ft Long Anchor Base Side Mount Aluminum Pole Satin Finish	\$15.70
W30	30' Class 7 Wood Pole	\$6.21
W35	35' Class 5 Wood Pole	\$6.75
W40	40' Class 4 Wood Pole	\$10.16
W45	45' Class 4 Wood Pole	\$10.54
A15J	15' Style A - Fluted - for Shroud - Aluminum Direct Buried Pole	\$5.03
A20J	20' Style A - Fluted - for Shroud - Aluminum Direct Buried Pole	\$5.61
A15K	15' Style A - Smooth - for Shroud - Aluminum Direct Buried Pole	\$3.32
A20K	20' Style A - Smooth - for Shroud - Aluminum Direct Buried Pole	\$5.17
A Pole Shroud	Shroud - Standard Style for anchor base poles	\$2.42
B Pole Shroud	Shroud - Style B Pole for smooth and fluted poles	\$2.28
C Pole Shroud	Shroud - Style C Pole for smooth and fluted poles	\$2.19

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Duke Energy Kentucky, Inc.
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D Pole Shroud	Shroud - Style D Pole for smooth and fluted poles	\$2.35
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III. Pole Foundations		
Billing Type	Description	Charge per Month per Unit
FND-Flush-A	Flush - Pre-fabricated - Style A Pole	\$10.23
FND-Flush-B	Flush - Pre-fabricated - Style B Pole	\$9.22
FND-Flush-C	Flush - Pre-fabricated - Style C Pole	\$10.84
FND-Flush-D	Flush - Pre-fabricated - Style E Pole	\$10.23
FND-Flush-E	Flush - Pre-fabricated - Style F Pole	\$9.22
FND-Flush-F	Flush - Pre-fabricated - Style D Pole	\$8.98
FND-Reveal-A	Reveal - Pre-fabricated - Style A Pole	\$10.87
FND-Reveal-B	Reveal - Pre-fabricated - Style B Pole	\$11.61
FND-Reveal-C	Reveal - Pre-fabricated - Style C Pole	\$11.61
FND-Reveal-D	Reveal - Pre-fabricated - Style D Pole	\$11.61
FND-Reveal-E	Reveal - Pre-fabricated - Style E Pole	\$11.61
FND-Reveal-F	Reveal - Pre-fabricated - Style F Pole	\$10.14
FND-Screw-in	Screw-in Foundation	\$5.70

IV. Brackets		
Billing Type	Description	Charge per Month per Unit
BKT-Wood-14in	14 inch bracket - wood pole - side mount	\$1.36
BKT-Wood-4ft	4 foot bracket - wood pole - side mount	\$1.47
BKT-Wood-6ft	6 foot bracket - wood pole - side mount	\$1.34
BKT-Wood-8ft	8 foot bracket - wood pole - side mount	\$2.17
BKT-Wood-10ft	10 foot bracket - wood pole - side mount	\$4.49
BKT-Wood-12ft	12 foot bracket - wood pole - side mount	\$3.56
BKT-Wood-15ft	15 foot bracket - wood pole - side mount	\$4.33
BKT-Side-4ft	4 foot bracket - metal pole - side mount	\$5.22
BKT-Side-6ft	6 foot bracket - metal pole - side mount	\$5.58
BKT-Side-8ft	8 foot bracket - metal pole - side mount	\$5.62

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BKT-Side-10ft	10 foot bracket - metal pole - side mount	\$5.92
BKT-Side-12ft	12 foot bracket - metal pole - side mount	\$6.73
IV. Brackets (Contd.)		
Billing Type	Description	Charge per Month per Unit
BKT-Side-15FT	15 foot bracket - metal pole - side mount	\$6.88
BKT-Tenon-18in-DBL	18 inch bracket - metal pole - double Flood Mount - top mount	\$2.24
BKT-Tenon-14In	14 inch bracket - metal pole - single mount - top tenon	\$1.61
BKT-Tenon-14in DBL	14 inch bracket - metal pole - double mount - top tenon	\$1.99
BKT-Tenon-14in TPL	14 inch bracket - metal pole - triple mount - top tenon	\$2.46
BKT-Tenon-14in Quad	14 inch bracket - metal pole - quad mount - top tenon	\$2.29
BKT-Tenon-6ft	6 foot - metal pole - single - top tenon	\$2.42
BKT-Tenon-6ft DBL	6 foot - metal pole - double - top tenon	\$3.86
BKT-Tenon-4ft BH	4 foot - Boston Harbor - top tenon	\$7.87
BKT-Tenon-6ft BH	6 foot - Boston Harbor - top tenon	\$8.61
BKT-Tenon-12t BH	12 foot - Boston Harbor Style C pole double mount - top tenon	\$15.51
BKT-Tenon-4ft Davit	4 foot - Davit arm - top tenon	\$8.36
BKT-Wood-18in-CH	18 inch - Cobrahead fixture for wood pole	\$1.19
BKT-Wood-18in-FL	18 inch - Flood light for wood pole	\$1.34

V. Wiring Equipment		
Billing Type	Description	Charge per Month per Unit
MISC-Sec-PED	Secondary Pedestal (cost per unit)	\$2.05
MISC-Handhole	Handhole (cost per unit)	\$1.70
CABLE-6AL-Trench	6AL DUPLEX and Trench (cost per foot)	\$0.91
CABLE-6AL-Trench-Conduit	6AL DUPLEX and Trench with conduit (cost per foot)	\$0.95
CABLE-6AL-Existing Conduit	6AL DUPLEX with existing conduit (cost per foot)	\$0.88
CABLE-6AL-Bore-Conduit	6AL DUPLEX and Bore with conduit (cost per foot)	\$1.09
WIRE-6AL	6AL DUPLEX OH wire (cost per foot)	\$0.87

LATE PAYMENT CHARGE

Payment of the Net Monthly Bill must be received in the Company's office within twenty-one (21) days from

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the date the bill is mailed by the Company. When not so paid, the Gross Monthly Bill, which is the Net Monthly Bill plus 5%, is due and payable.

OWNERSHIP OF SERVICE LINES

Company will provide, install, own, operate and maintain the necessary facilities for furnishing electric service to the System defined in the agreement. If the customer requires the installation of a System at a location which requires the extension, relocation, or rearrangement of the Company's distribution system, the customer shall, in addition to the monthly charge, pay the Company on a time and material basis, plus overhead charges, the cost of such extension, relocation, or rearrangement, unless in the judgment of the Company no charge should be made. Customer may also pay monthly for such extension, relocation, or rearrangement as described below under Terms of Service. An estimate of the cost will be submitted for approval before work is carried out.

The Company shall erect the service lines necessary to supply electric energy to the System within the limits of the streets and highways or on property as mutually agreed upon by the Company and the customer. The customer shall assist the Company, if necessary, in obtaining adequate written easements covering permission to install and maintain any service lines required to serve the System.

The Company shall not be required to pay for obtaining permission to trim or re-trim trees where such trees interfere with supplying electric energy to the System. The Customer shall assist the Company, if necessary, in obtaining permission to trim trees where the Company is unable to obtain such permission through its own best efforts.

TERMS OF SERVICE

1. Service under this rate schedule shall be for a minimum initial term of ten (10) years from the commencement of service and shall continue thereafter until terminated by either party by sixty (60) days written notice or to termination. Upon early termination of service under this schedule, the customer shall pay an amount equal to the remaining monthly lease amount for the term of contract and removal cost of the facilities.
2. Where the Company provides a LED fixture, pole type or equipment other than those listed above, the monthly charges, as applicable shall be computed as follows:
 - I. Fixture
 - a. Fixture Charge: Based on the Company's average installed cost including overhead/loadings, applicable property tax, applicable income tax, depreciation and rate of return.
 - b. Maintenance Charge: Based on the Company's average cost of performing maintenance on lighting equipment.
 - II. Pole
 - a. Pole Charge: Based on the Company's average installed cost including

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Duke Energy Kentucky, Inc.
1262 Cox Road
Erlanger, KY 41018

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overhead/loadings, applicable property tax, applicable income tax, depreciation and rate of return.

III. Other Equipment

- a. Equipment Charge: Based on the Company's average installed cost including overhead/loadings, applicable property tax, applicable income tax, depreciation and rate of return.
3. The customer shall be responsible for the cost incurred to repair or replace any fixture or pole which has been willfully damaged. The Company shall not be required to make such repair or replacement or to make payment to the customer for damage.
4. kWh consumption for Company-owned fixtures shall be estimated in lieu of installing meters. Monthly kWh estimates will be made using the following formula:
$$\text{kWh} = \text{Unit Wattage} \times (4160 \text{ hours per year} / 12 \text{ months}) / 1,000.$$
5. No Pole Charge shall be applicable for a fixture installed on a company-owned pole which is utilized for other general electrical distribution purposes.
6. The Company will repair or replace malfunctioning lighting fixtures maintained by the Company. (N)
7. For a fixture type restricted to existing installations and requiring major renovation or replacement, the fixture shall be replaced by an available similar non-restricted LED fixture of the customer's choosing and the customer shall commence being billed at its appropriate rate. (N)
8. The customer will be responsible for trimming trees and other vegetation that obstruct the light output from fixture(s) or maintenance access to the facilities. (N)
9. All new leased LED lighting shall be installed on poles owned by the Company.
10. Alterations to leased LED lighting facilities requested by the customer after date of installation (i.e. redirect, install shields, etc.), will be billed to the customer in accordance with the Company's policy.
11. Service for street or area lighting is normally provided from existing distribution facilities. Where suitable distribution facilities do not exist, it will be the customer's responsibility to pay for necessary additional facilities either at cost upfront or monthly as described below. (N)

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12. The Company will normally install service in accordance with the Electric Service Regulations for the facilities required to supply electric service to the customer. For Lighting installations requiring investments exceeding the Company's standards and where additional facilities are required as discussed above, lighting customer must pay the cost of the additional facility investment upfront or 1.0017% of the cost of the additional facility investment amount monthly. The Customer may make a partial up-front payment that will be applied against the cost of the additional facility investment and will thereby reduce the monthly charge.

13. For available LEDs, the customer may opt to make an initial, one-time payment of 50% of the installed cost of fixtures rated greater than 200 Watts and poles other than standard wood poles, to reduce the Company's installed cost, therefore reducing their monthly rental rates for such fixtures and poles. If a customer chooses this option, the monthly fixture and/or pole charge shall be computed as the reduced installed cost times the corresponding monthly percentage in 2.I.(a) and/or 2.II above.

SERVICE REGULATIONS

The supplying of, and billing for, service and all conditions applying thereto, are subject to the jurisdiction of the Kentucky Public Service Commission, and to the Company's Service Regulations currently in effect, as filed with the Kentucky Public Service Commission, as provided by law.

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Duke Energy Kentucky, Inc.
1262 Cox Road
Erlanger, KY 41018

RATE NSU

STREET LIGHTING SERVICE NON-STANDARD UNITS

APPLICABILITY

Applicable to municipal, county, state and Federal governments, including divisions thereof, hereinafter referred to as customer for the lighting of public streets and roads with existing Company and Customer owned lighting fixtures. This service is not available for units installed after January 1, 1985.

Mercury Vapor lighting fixtures will not be installed by the Company after June 1, 2003. As currently installed Mercury Vapor fixtures are retired and/or replaced, they may be replaced with either Metal Halide or Sodium Vapor fixtures as the customer chooses.

This rate schedule is no longer available after December 31, 2006. Potential lighting customers wanting a lighting system installed and maintained by Company can do so via the Outdoor Lighting Equipment agreement (OLE). Potential customers should contact a Company account representative for further information concerning OLE options. This rate schedule terminates December 31, 2026. Customers currently being provided service under this rate schedule can continue being provided service under this rate schedule for the remaining useful life of the facilities or this rate schedule terminates, whichever occurs first.

TYPE OF SERVICE

All equipment owned by the Company will be maintained by the Company. All lamps will burn from dusk to dawn, approximately 4,160 hours per annum. The Company will endeavor to replace burned-out lamps maintained by the Company within 48 hours after notification by the customer. The Company does not guarantee continuous lighting or electric service and shall not be liable to the customer or anyone else for any damage, loss or injury due to any cause.

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Duke Energy Kentucky, Inc.
 1262 Cox Road
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NET MONTHLY BILL

The following monthly charge for each unit with lamp and luminaire, controlled automatically, will be assessed.

1. Base Rate

A. Company owned

	<u>Lamp Watt</u>	<u>kW/Unit</u>	<u>Annual kWh</u>	<u>Rate/Unit</u>	
1. Boulevard units served underground					
a. 2,500 lumen Incandescent – Series	148	0.148	616	\$10.14 <u>10.22</u>	(I)
b. 2,500 lumen Incandescent – Multiple	189	0.189	786	\$7.88 <u>7.98</u>	(I)
2. Holophane Decorative fixture on 17 foot fiberglass pole served underground with direct buried cable					
a. 10,000 lumen Mercury Vapor	250	0.292	1,215	\$18.47 <u>18.63</u>	(I)

The cable span charge of \$0.81 per each increment of 25 feet of secondary wiring shall be added to the Rate/unit charge for each increment of secondary wiring beyond the first 25 feet from the pole base.

	<u>Lamp Watt</u>	<u>kW/Unit</u>	<u>Annual kWh</u>	<u>Rate/Unit</u>	
3. Street light units served overhead distribution					
a. 2,500 lumen Incandescent	189	0.189	786	\$7.84 <u>7.91</u>	(I)
b. 2,500 lumen Mercury Vapor	100	0.109	453	\$7.39 <u>7.45</u>	(I)
c. 21,000 lumen Mercury Vapor	400	0.460	1,914	\$11.72 <u>11.97</u>	(I)

B. Customer owned

	<u>Lamp Watt</u>	<u>kW/Unit</u>	<u>Annual kWh</u>	<u>Rate/Unit</u>	
1. Steel boulevard units served underground with limited maintenance by Company					
a. 2,500 lumen Incandescent – Series	148	0.148	616	\$5.98 <u>6.06</u>	(I)
b. 2,500 lumen Incandescent – Multiple	189	0.189	786	\$7.64 <u>7.71</u>	(I)

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NET MONTHLY BILL (Contd.)

2. Base Fuel Cost

The rates per unit shown above include \$~~0.0238370~~.025401 per kilowatt-hour reflecting the base cost (I) of fuel.

3. Applicable Riders

The following riders are applicable pursuant to the specific terms contained within each rider:

Sheet No. 76, Rider ESM, Environmental Surcharge Mechanism Rider

Sheet No. 80, Rider FAC, Fuel Adjustment Clause

Sheet No. 82, Rider PSM, Profit Sharing Mechanism

LATE PAYMENT CHARGE

Payment of the Net Monthly Bill must be received in the Company's office within twenty-one (21) days from the date the bill is mailed by the Company. When not so paid, the Gross Monthly Bill, which is the Net Monthly Bill plus 5%, is due and payable.

TERM OF SERVICE

The street lighting units are installed for the life of the unit, terminable on one hundred twenty (120) days written notice by either customer or Company subject to Paragraph 1 or 3 under General Conditions.

GENERAL CONDITIONS

- (1) If an installed street lighting unit is required to be relocated, removed, or replaced with another unit of the same or less rated lamp wattage, the ordering Authority shall pay the Company the sacrifice value of the unit, plus labor and overhead charges, unless in the judgment of the Company no charge should be made. An estimate of the cost will be submitted for approval before work is carried out.
- (2) Lamps and refractors which are maintained by the Company shall be kept in good operating condition by, and at the expense of, the Company. In case of vandalism, the Company will repair the damaged property and the customer shall pay for such repair on a time and material basis, plus overhead charges, unless in the judgment of the Company no charge should be made. An estimate of the cost will be submitted for approval before work is carried out.
- (3) When a Company owned street lighting unit reaches end of life or becomes obsolete and parts cannot be reasonably obtained, the Company can remove the unit at no expense to the customer after notifying the customer. The customer shall be given the opportunity to arrange for another type lighting unit provided by the Company.
- (4) When a customer owned lighting unit becomes inoperative, the cost of repair or replacement of the unit will be at the customer's expense. The replacement unit shall be an approved Company fixture.
- (5) Limited maintenance by the Company includes only fixture cleaning, relamping, and glassware and photo cell replacement.

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SERVICE REGULATIONS

The supplying of, and billing for, service and all conditions applying thereto, are subject to the jurisdiction of the Kentucky Public Service Commission, and to Company's Service Regulations currently in effect, as filed with the Kentucky Public Service Commission, as provided by law.

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Duke Energy Kentucky, Inc.
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RATE SC

STREET LIGHTING SERVICE - CUSTOMER OWNED

APPLICABILITY

Applicable to municipal, county, state and Federal governments, including divisions thereof, and incorporated homeowner's associations for the lighting of public streets and roads when the total investment and installation costs of the fixtures are borne by the customer. The fixture shall be a Company approved unit used in overhead and underground distribution areas.

Mercury Vapor lighting fixtures will not be installed by the Company after June 1, 2003. As currently installed Mercury Vapor fixtures are retired and/or replaced, they may be replaced with either Metal Halide or Sodium Vapor fixtures as the customer chooses.

This rate schedule is no longer available after December 31, 2006. Potential lighting customers wanting a lighting system installed and maintained by Company can do so via the Outdoor Lighting Equipment agreement (OLE). Potential customers should contact a Company account representative for further information concerning OLE options. This rate schedule terminates December 31, 2026. Customers currently being provided service under this rate schedule can continue being provided service under this rate schedule for the remaining useful life of the facilities or this rate schedule terminates, whichever occurs first.

TYPE OF SERVICE

All equipment will be owned by the customer but may be installed by customer or Company with limited maintenance performed by the Company. Limited maintenance includes only fixture cleaning, relamping, and glassware and photo cell replacement. All lamps will burn from dusk to dawn, approximately 4,160 hours per annum. The Company will endeavor to replace burned-out lamps within 48 hours after notification by the customer. The Company does not guarantee continuous lighting and shall not be liable to the customer or anyone else for any damage, loss or injury due to any cause.

NET MONTHLY BILL

The following monthly charge for each lamp with luminaire, controlled automatically, will be assessed:

1. Base Rate	Lamp Watts	kW/Unit	Annual kWh	Rate/Unit	
Fixture Description					
Standard Fixture (Cobra Head)					
Mercury Vapor					
7,000 lumen	175	0.193	803	\$ <u>4.614.71</u>	(I)
10,000 lumen	250	0.275	1,144	\$ <u>5.876.02</u>	(I)
21,000 lumen	400	0.430	1,789	\$ <u>8.148.37</u>	(I)

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NET MONTHLY BILL (Contd.)

	Lamp Watt	kW/Unit	Annual kWh	Rate/Unit	
Metal Halide					
14,000 lumen	175	0.193	803	\$ <u>4,614.71</u>	(I)
20,500 lumen	250	0.275	1,144	\$ <u>5,876.02</u>	(I)
36,000 lumen	400	0.430	1,789	\$ <u>8,148.37</u>	(I)
Sodium Vapor					
9,500 lumen	100	0.117	487	\$ <u>5,545.60</u>	(I)
16,000 lumen	150	0.171	711	\$ <u>6,186.27</u>	(I)
22,000 lumen	200	0.228	948	\$ <u>6,796.91</u>	(I)
27,500 lumen	250	0.228	948	\$ <u>6,796.91</u>	(I)
50,000 lumen	400	0.471	1,959	\$ <u>9,199.45</u>	(I)
Decorative Fixture					
Mercury Vapor					
7,000 lumen (Holophane)	175	0.210	874	\$ <u>5,865.97</u>	(I)
7,000 lumen (Town & Country)	175	0.205	853	\$ <u>5,805.91</u>	(I)
7,000 lumen (Gas Replica)	175	0.210	874	\$ <u>5,865.97</u>	(I)
7,000 lumen (Aspen)	175	0.210	874	\$ <u>5,865.97</u>	(I)
Metal Halide					
14,000 lumen (Traditionaire)	175	0.205	853	\$ <u>5,805.91</u>	(I)
14,000 lumen (Granville Acorn)	175	0.210	874	\$ <u>5,865.97</u>	(I)
14,000 lumen (Gas Replica)	175	0.210	874	\$ <u>5,865.97</u>	(I)
Sodium Vapor					
9,500 lumen (Town & Country)	100	0.117	487	\$ <u>5,465.52</u>	(I)
9,500 lumen (Traditionaire)	100	0.117	487	\$ <u>5,465.52</u>	(I)
9,500 lumen (Granville Acorn)	100	0.128	532	\$ <u>5,695.76</u>	(I)
9,500 lumen (Rectilinear)	100	0.117	487	\$ <u>5,465.52</u>	(I)
9,500 lumen (Aspen)	100	0.128	532	\$ <u>5,695.76</u>	(I)
9,500 lumen (Holophane)	100	0.128	532	\$ <u>5,695.76</u>	(I)
9,500 lumen (Gas Replica)	100	0.128	532	\$ <u>5,695.76</u>	(I)
22,000 lumen (Rectilinear)	200	0.246	1,023	\$ <u>7,197.32</u>	(I)
50,000 lumen (Rectilinear)	400	0.471	1,959	\$ <u>9,519.77</u>	(I)

Where a street lighting fixture served overhead is to be installed on another utility's pole on which the Company does not have a contact, a monthly pole charge will be assessed.

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NET MONTHLY BILL (Contd.)

<u>Pole Description</u>	<u>Pole Type</u>	<u>Rate/Pole</u>
Wood		
30 foot	W30	\$ 4.78
35 foot	W35	\$ 4.84
40 foot	W40	\$ 5.80

Customer Owned and Maintained Units

The rate for energy used for this type street lighting will be \$0.0412290.042793 per kilowatt-hour which includes the base fuel cost rate stated below. The monthly kilowatt-hour usage will be mutually agreed upon between the Company and the customer. Where the average monthly usage is less than 150 kWh per point of delivery, the customer shall pay the Company, in addition to the monthly charge, the cost of providing electric service on the basis of time and material plus overhead charges. An estimate of the cost will be submitted for approval before work is carried out. (I)

2. Base Fuel Cost

The rates per unit shown above include \$0.0238370.025401 per kilowatt-hour reflecting the base cost of fuel. (I)

3. Applicable Riders

The following riders are applicable to the specific terms contained within each rider:
Sheet No. 76, Rider ESM, Environmental Surcharge Mechanism Rider
Sheet No. 80, Rider FAC, Fuel Adjustment Clause
Sheet No. 82, Rider PSM, Profit Sharing Mechanism

LATE PAYMENT CHARGE

Payment of the Net Monthly Bill must be received in the Company's office within twenty-one (21) days from the date the bill is mailed by the Company. When not so paid, the Gross Monthly Bill, which is the Net Monthly Bill plus 5%, is due and payable.

TERM OF SERVICE

The street lighting units are installed for the life of the unit, terminable on one hundred twenty (120) days written notice by either customer or Company subject to Paragraph 4 or 6 under General Conditions.

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Duke Energy Kentucky, Inc.
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GENERAL CONDITIONS

- (1) If the customer requires the installation of a unit at a location which requires the extension, relocation, or rearrangement of the Company's distribution system, the customer shall, in addition to the monthly charge, pay the Company on a time and material basis, plus overhead charges, the cost of such extension, relocation, or rearrangement, unless in the judgment of the Company no charge should be made. An estimate of the cost will be submitted for approval before work is carried out.
- (2) Installation of street lighting units will be predicated on the ability of the Company to obtain, without cost to itself or the payment or other consideration, all easements and rights-of-way which, in the opinion of the Company, are necessary for the construction, maintenance and operation of the street lights, standards, anchors and/or service wires. If such easements and rights-of-way cannot be so obtained, the Company shall have no obligation hereunder to install such units.
- (3) The time within which the Company will be able to commence or to complete the services to be performed is dependent on the Company's ability to secure the materials required, and the Company shall not be responsible for failure to install these street light units for such reason.
- (4) If an installed street lighting unit is required to be relocated, removed, or replaced by the Company, the ordering Authority shall pay the Company the cost agreed upon under a separate contract.
- (5) Lamps and refractors which are maintained by the Company shall be kept in good operating condition by and at the expense of the Company.

In cases of vandalism, the Company will repair the damaged property and the customer shall pay for such repair on a time and material basis, plus overhead charges, unless in the judgment of the Company no charge should be made. An estimate of the cost will be submitted for approval before work is carried out.

- (6) When a customer owned lighting unit becomes inoperative the cost of repair, replacement or removal of the unit will be at the customer's expense.
- (7) All lights installed on an overhead distribution system will be installed by Company under a separate contract with customer.

SERVICE REGULATIONS

The supplying of, and billing for, service and all conditions applying thereto, are subject to the jurisdiction of the Kentucky Public Service Commission, and to Company's Service Regulations currently in effect, as filed with the Kentucky Public Service Commission, as provided by law.

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RATE SE

STREET LIGHTING SERVICE - OVERHEAD EQUIVALENT

APPLICABILITY

Applicable to municipal, county, state and Federal governments, including divisions thereof and incorporated homeowners associations for the lighting of public streets and roads with Company lighting fixtures in underground distribution areas, where the customer elects to make a contribution for the installation of the fixture, mounting, pole and secondary wiring to obtain the rate/unit for the same size standard fixture (cobra head) in an overhead distribution area.

Mercury Vapor lighting fixtures will not be installed by the Company after June 1, 2003. As currently installed Mercury Vapor fixtures are retired and/or replaced, they may be replaced with either Metal Halide or Sodium Vapor fixtures as the customer chooses.

This rate schedule is no longer available after December 31, 2006. Potential lighting customers wanting a lighting system installed and maintained by Company can do so via the Outdoor Lighting Equipment agreement (OLE). Potential customers should contact a Company account representative for further information concerning OLE options. This rate schedule terminates December 31, 2026. Customers currently being provided service under this rate schedule can continue being provided service under this rate schedule for the remaining useful life of the facilities or this rate schedule terminates, whichever occurs first.

TYPE OF SERVICE

All equipment will be installed, owned and maintained by the Company. All lamps will burn from dusk to dawn, approximately 4,160 hours per annum. The Company will endeavor to replace burned-out lamps within 48 hours after notification by the customer. The Company does not guarantee continuous lighting and shall not be liable to the customer or anyone else for any damage, loss or injury due to any cause.

NET MONTHLY BILL

The following monthly charge for each lamp with luminaire, controlled automatically, will be assessed:

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Duke Energy Kentucky, Inc.
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NET MONTHLY BILL (Contd.)

1. Base Rate

Fixture Description	Lamp Watt	kW/Unit	Annual kWh	Rate/Unit	
Decorative Fixtures					
<u>Mercury Vapor</u>					
7,000 lumen (Town & Country)	175	0.205	853	\$ 8.028.13	(I)
7,000 lumen (Holophane)	175	0.210	874	\$ 8.058.16	(I)
7,000 lumen (Gas Replica)	175	0.210	874	\$ 8.058.16	(I)
7,000 lumen (Aspen)	175	0.210	874	\$ 8.058.16	(I)
<u>Metal Halide</u>					
14,000 lumen (Traditionaire)	175	0.205	853	\$ 8.028.13	(I)
14,000 lumen (Granville Acorn)	175	0.210	874	\$ 8.058.16	(I)
14,000 lumen (Gas Replica)	175	0.210	874	\$ 8.058.16	(I)
<u>Sodium Vapor</u>					
9,500 lumen (Town & Country)	100	0.117	487	\$ 8.748.80	(I)
9,500 lumen (Holophane)	100	0.128	532	\$ 8.868.93	(I)
9,500 lumen (Rectilinear)	100	0.117	487	\$ 8.748.80	(I)
9,500 lumen (Gas Replica)	100	0.128	532	\$ 8.858.92	(I)
9,500 lumen (Aspen)	100	0.128	532	\$ 8.858.92	(I)
9,500 lumen (Traditionaire)	100	0.117	487	\$ 8.748.80	(I)
9,500 lumen (Granville Acorn)	100	0.128	532	\$ 8.858.92	(I)
22,000 lumen (Rectilinear)	200	0.246	1,023	\$ 12.5612.69	(I)
50,000 lumen (Rectilinear)	400	0.471	1,959	\$ 16.6216.88	(I)
50,000 lumen (Setback)	400	0.471	1,959	\$ 16.6216.88	(I)

Additional facilities, other than specified above, if required, will be billed at the time of installation.

2. Base Fuel Cost

The rates per unit shown above include \$~~0.0238370.025401~~ per kilowatt-hour reflecting the base cost of fuel. (I)

3. Applicable Riders

The following riders are applicable pursuant to the specific terms contained within each rider:
Sheet No. 76, Rider ESM, Environmental Surcharge Mechanism Rider
Sheet No. 80, Rider FAC, Fuel Adjustment Clause
Sheet No. 82, Rider PSM, Profit Sharing Mechanism

LATE PAYMENT CHARGE

Payment of the Net Monthly Bill must be received in the Company's office within twenty-one (21) days from the date the bill is mailed by the Company. When not so paid, the Gross Monthly Bill, which is the Net Monthly Bill plus 5%, is due and payable.

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TERM OF SERVICE

The street lighting units are installed for the life of the unit, terminable on one hundred twenty (120) days written notice by either customer or Company subject to Paragraph 4 or 6 under General Conditions.

GENERAL CONDITIONS

- (1) If the customer requires the installation of a unit at a location which requires the extension, relocation, or rearrangement of the Company's distribution system, the customer shall, in addition to the monthly charge, pay the Company on a time and material basis, plus overhead charges, the cost of such extension, relocation, or rearrangement, unless in the judgment of the Company no charge should be made. An estimate of the cost will be submitted for approval before work is carried out.
- (2) Installation of street lighting units will be predicated on the ability of the Company to obtain, without cost to itself or the payment or other consideration, all easements and rights-of-way which, in the opinion of the Company, are necessary for the construction, maintenance and operation of the street lights, standards, anchors and/or service wires. If such easements and rights-of-way cannot be so obtained, the Company shall have no obligation hereunder to install such units.
- (3) The time within which the Company will be able to commence or to complete the services to be performed is dependent on the Company's ability to secure the materials required, and the Company shall not be responsible for failure to install these street light units for such reason.
- (4) If an installed street lighting unit is required to be relocated, removed, or replaced with another unit of the same or less rated lamp wattage, the ordering Authority shall pay the Company the sacrifice value of the unit, plus labor and overhead charges, unless in the judgment of the Company no charge should be made. An estimate of the cost will be submitted for approval before work is carried out.
- (5) Lamps and refractors which are maintained by the Company shall be kept in good operating condition by and at the expense of the Company.

In cases of vandalism, the Company will repair the damaged property and the customer shall pay for such repair on a time and material basis, plus overhead charges, unless in the judgment of the Company no charge should be made. An estimate of the cost will be submitted for approval before work is carried out.

- (6) When a street lighting unit reaches end of life or becomes obsolete and parts cannot be reasonably obtained, the Company can remove the unit at no expense to the customer after notifying the customer. The customer shall be given the opportunity to arrange for another type lighting unit provided by the Company.

Issued by authority of an Order of the Kentucky Public Service
Commission dated ~~_____~~ ~~October 16, 2020~~ in Case No. ~~2019-~~
~~00274~~2021-00057.

Issued: ~~October 29, 2020~~

Effective: ~~October 29, 2020~~

Issued by Amy B. Spiller, President /s/ Amy B. Spiller

Duke Energy Kentucky, Inc.
1262 Cox Road
Erlanger, KY 41018

GENERAL CONDITIONS (Contd.)

- (7) The contribution only provides for replacement of these facilities due to occasional damage or premature malfunction. It does not cover replacement at end of life.

SERVICE REGULATIONS

The supplying of, and billing for, service and all conditions applying thereto, are subject to the jurisdiction of the Kentucky Public Service Commission, and to Company's Service Regulations currently in effect, as filed with the Kentucky Public Service Commission, as provided by law.

Issued by authority of an Order of the Kentucky Public Service Commission dated ~~_____~~ ~~October 16, 2020~~ in Case No. ~~2019-00274~~ ~~2021-00057~~.

Issued: ~~October 29, 2020~~

Effective: ~~October 29, 2020~~

Issued by Amy B. Spiller, President /s/ Amy B. Spiller

Duke Energy Kentucky
1262 Cox Road
Erlanger, Kentucky 41018

RIDER FAC

FUEL ADJUSTMENT CLAUSE

APPLICABLE

In all territory service.

AVAILABILITY OF SERVICE

This schedule is a mandatory rider to all electric rate schedules.

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

$$\text{FuelCostAdjustment} = \frac{F(m)}{S(m)} - \$0.025401 \text{ per kWh}$$

~~$$\text{Fuel Cost Adjustment} = \frac{F(m)}{S(m)} - \$0.023837 \text{ per kWh}$$~~

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

- (2) Fuel costs (F) shall be the cost of:
- (a) Fossil fuel consumed in the Company's plants plus the cost of fuel which would have been used in plants suffering forced generation or transmission outages, but less the cost of fuel related to substitute generation, plus
 - (b) The actual identifiable fossil and nuclear fuel costs associated with energy purchased for reasons other than identified in paragraph (c) of this subsection, but excluding the cost of fuel related to purchases to substitute for the forced outages; plus
 - (c) The net energy cost of energy purchases, exclusive of capacity or demand charges (irrespective of the designation assigned to such transaction) when such energy is purchased on an economic dispatch basis. Included therein are such costs as the charges for economy energy purchases and the charges as a result of scheduled outage, all such kinds of energy being purchased by the Company to substitute for its own higher cost energy, and less
 - (d) The cost of fossil fuel recovered through inter-system sales including the fuel costs related to economy energy sales and other energy sold on an economic dispatch basis.

Issued by authority of an Order of the Kentucky Public Service
Commission dated April 27, 2020 in Case No. 2019-00274-2021-
00057.

Issued: May 1, 2020

Effective: May 1, 2020

Issued by Amy B. Spiller, President /s/ Amy B. Spiller

Duke Energy Kentucky
1262 Cox Road
Erlanger, Kentucky 41018

AVAILABILITY OF SERVICE (Contd.)

- (e) The native portion of fuel-related costs charged to the Company by PJM Interconnection LLC including but not limited to those costs identified in the following Billing Line Items, as may be amended from time to time by PJM Interconnection LLC: Billing Line Items 1210, 2210, 1215, 1218, 2217, 2218, 1230, 1250, 1260, 2260, 1370, 2370, 1375, 2375, 1400, 1410, 1420, 1430, 1478, 1340, 2340, 1460, 1350, 2350, 1360, 2360, 1470, 1377, 2377, 1480, 1378, 2378, 1490, 1500, 2420, 2220, 1200, 1205, 1220, 1225, 2500, 2510, 1930, 2211, 2215, 2415 and 2930.
 - (f) All fuel costs shall be based on a weighted-average inventory costing. The cost of fossil fuel shall include no items other than the invoice price of fuel less any cash or other discounts. The invoice price of fuel includes the cost of fuel itself and necessary charges for transportation of fuel from the point of acquisition to the unloading point, as listed in Account 151 of the FERC Uniform System of Accounts for Public Utilities and Licensees.
 - (g) As used herein, the term “forced outages” means 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 Company may, upon proper showing, with the approval of the Commission, include the fuel cost of substitute energy in the adjustment.
- (3) Sales (S) shall be determined in kilowatt-hours as follows:

Add:

- (a) net generation
- (b) purchases
- (c) interchange in

Subtract:

- (d) inter-system sales including economy energy and other energy sold on an economic dispatch basis.
- (e) total system losses

Issued by authority of an Order of the Kentucky Public Service
Commission dated April 27, 2020 in Case No. 2019-00274-2021-
00057.

Issued: May 1, 2020
Effective: May 1, 2020

Issued by Amy B. Spiller, President /s/ Amy B. Spiller

**Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021**

STAFF-DR-01-028

REQUEST:

For the years ending October 31, 2019, and October 31, 2020, provide:

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

RESPONSE:

November 1, 2018 to October 31, 2019

- a. Maximum annual system demand = 809 MW on July 10, 2019 at HE 17:00 EST
- b. Average annual demand = 492 MW

November 1, 2019 to October 31, 2020

- a. Maximum annual system demand = 778 MW on July 20, 2020 at HE 16:00 EST
- b. Average annual demand = 463 MW

PERSON RESPONSIBLE: John Swez

**Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021**

STAFF-DR-01-029

REQUEST:

- 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 Duke Kentucky has taken to reduce line loss during this period.

RESPONSE:

- a. See STAFF-DR-01-029 Attachment
- b. Changes to the Duke Energy Kentucky transmission and distribution systems are based on meeting planning criteria, which are intended to provide reliable system performance in a cost-effective manner. Loss reduction is a secondary goal, which may be considered, when appropriate, in deciding between various alternatives that serve the primary purpose of maintaining system performance. Typical system reinforcement projects do often result in reduced system losses. System projects completed by Duke Energy Kentucky from November 2018 through October 2020 that would be expected to have a loss reduction impact include the following:

Transmission System Improvements:

- Replaced the Buffington 138-69 KV 100 MVA TB 1 autotransformer with a new 150 MVA.

Distribution System Improvements:

- There were four (4) capacity additions during the time period, and seven (7) new 12kV substation circuit were added. These circuits reduce loading and distance on adjacent circuits providing opportunity for reduced conductor impedance and improved customer reliability.

PERSON RESPONSIBLE:

John Swez
Libbie S. Miller

**Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021**

**PUBLIC STAFF-DR-01-030
(As to Attachment Only)**

REQUEST:

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

RESPONSE:

CONFIDENTIAL PROPRIETARY TRADE SECRET (As to Attachment only)

See STAFF-DR-01-030 Confidential Attachment.

PERSON RESPONSIBLE: Libbie S. Miller

**CONFIDENTIAL PROPRIETARY TRADE
SECRET**

**STAFF-DR-01-030 CONFIDENTIAL
EXCEL ATTACHMENT**

FILED UNDER SEAL

**Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021**

**PUBLIC STAFF-DR-01-031
(As to Attachment Only)**

REQUEST:

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

RESPONSE:

See STAFF-DR-01-031 CONF Attachment.

PERSON RESPONSIBLE: Libbie S. Miller

**CONFIDENTIAL PROPRIETARY TRADE
SECRET**

**STAFF-DR-01-031 CONFIDENTIAL
EXCEL ATTACHMENT**

FILED UNDER SEAL

**Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021**

**PUBLIC STAFF-DR-01-032
(As to Attachment only)**

REQUEST:

Provide the planned maintenance schedule for each of the generating units for the years 2021 and 2022.

RESPONSE:

CONFIDENTIAL PROPRIETARY TRADE SECRET (As to Attachment only)

Please see STAFF-DR-01-032 Confidential Attachment.

PERSON RESPONSIBLE: Brad Daniel

**CONFIDENTIAL PROPRIETARY TRADE
SECRET**

**STAFF-DR-01-032 CONFIDENTIAL
EXCEL ATTACHMENT**

FILED UNDER SEAL

Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021

STAFF-DR-01-033

REQUEST:

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 Duke Kentucky becomes aware of any issues during the course of this proceeding.

RESPONSE:

The Company is unaware of any unresolved or unsettled matters impacting fuel costs through this reporting period.

As the Commission is already aware, on June 21, 2018, PJM declared GreenHat, a PJM member and Financial Transmission Rights (FTR) market participant, in default for non-payment of its PJM Invoice issued on June 5, 2018. The Company was charged its share of these expenses through PJM Billing Line Item (BLI) 1999. Although the Commission's Orders acknowledged that these GreenHat settlement costs are fuel-related, it denied recovery through the Company's FAC Cases No. 2019-00006 and 2019-00230. The Company then sought approval for a deferral of these fuel-related costs in Case No. 2020-00031. The Commission denied this request.

As an update to the Commission, the current total of the Company's GreenHat expense is approximately \$455,928.02. The process has four remaining months of exposure, but minimal expenses of less than \$1,000 are expected for each remaining month.

PERSON RESPONSIBLE: John Swez

Duke Energy Kentucky
Case No. 2021-00057
STAFF First Set Data Requests
Date Received: March 4, 2021

STAFF-DR-01-034

REQUEST:

Provide the number of Duke Kentucky'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 and whether Duke Kentucky issues 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 Duke Kentucky 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 Duke Kentucky's policies and procedures for entering into transportation contracts.

RESPONSE:

From November 1, 2018, through October 31, 2020, Duke Energy Kentucky's coal purchase contracts did not include transportation costs.

- a. With respect to the procurement of coal purchase contracts, Duke Energy Kentucky issues a written or oral solicitation/request for coal supply proposals. The Company also separately issues a similar request either written or oral for barge transportation.
- b. As stated in response 1-34 a(above), Duke Energy Kentucky issues separate request for proposals (RFP) for coal and barge transportation.
 - 1) Yes, Duke Energy Kentucky issued a transportation request for proposal in May 2017 for barge transportation. The contract term was for three years (January 1, 2018-December 31, 2020) with the option to extend for a year. The request for proposal is sent to all known potential transportation suppliers and printed in industry publications to ensure all potential respondents are aware.
 - 2) No, Duke Kentucky does not use or contract with any related parties for transportation of its coal purchases.
- c. Duke Energy's Coal and Reagent Origination Procedure covers coal transportation origination. As laid out in the Procedure, all transportation contracts are entered into after a request for proposal has been evaluated and an award has been issued to a transportation company. Under no circumstances shall Duke Energy Kentucky authorize shipments prior to the execution of a contract. Prior to execution, transportation contracts are reviewed and meet the requirements of the Credit Risk Management group and the Legal Department.

PERSON RESPONSIBLE: Brett Phipps