

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

An Electronic Examination of the)
Application of the Fuel Adjustment) Case No. 2020-00008
Clause of Duke Energy Kentucky, Inc.)
From May 1, 2019 Through October 31,)
2019)

**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 FEBRUARY 11, 2020**

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 attachment to response to Data Request No. 4, First Set, as requested by Commission Staff (Staff) in this case on February 11, 2020. The information that Staff seeks through discovery and for which Duke Energy Kentucky now seeks confidential treatment (Confidential Information) includes fuel solicitation proposal evaluation and rankings.

More specifically, the Confidential Information provided in response to Data Request No. 4 contains sensitive information, the disclosure of which would injure Duke Energy Kentucky and its competitive position and business interest. Duke Energy Corporation's Regulated Fuels Group is responsible for the procurement of fuel and obtaining competitive pricing. Releasing this information would give potential competitors and fuel vendors for Duke Energy Kentucky in the energy markets inside information about Duke Energy Kentucky's fuel procurement strategy, risk mitigation actions, and tolerances. Releasing this information would harm the Company and its customers in the future as competitors and counterparties would know how Duke Energy Kentucky

evaluates its fuel supply and procures fuel for its generating station. If publicly available, competitors could use this information to manipulate the market and financially harm Duke Energy Kentucky's customers by adjusting their bidding strategies and potentially manipulating the price the Company pays for coal.

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 Confidential Information would provide competitors and potential vendors proprietary information regarding the fuel procurement strategies used by Duke Energy Kentucky, placing it at a commercial disadvantage as it bids into the energy markets or negotiates with various suppliers and vendors. This situation would potentially harm Duke Energy Kentucky's competitive position in the marketplace, to the detriment of Duke Energy Kentucky and its customers undermining its ability to bid on contracts against parties, who do not otherwise have to disclose such information, and who could use that information to their competitive advantage and possibly win contracts that they otherwise couldn't, absent such information

3. Further, disclosure of the aforementioned Confidential Information would damage Duke Energy Kentucky's competitive position and business interests, as well as, create the risk of increased costs to its customers. If the Commission grants public access to the Confidential

Information requested, potential counterparties could manipulate markets, costs, and prices to the detriment of Duke Energy Kentucky and its ratepayers by tailoring bids to correspond to and comport with Duke Energy Kentucky's prior actions and risk tolerances.

4. The Confidential Information was developed internally by Duke Energy Corporation and Duke Energy Kentucky personnel, it is not on file with any public agency in the manner as is provided in response to this Commission-issued data request. The information is not available from any commercial or other source outside Duke Energy Kentucky. The aforementioned information is distributed within Duke Energy Kentucky only to those employees who must have access for business reasons and is generally recognized as confidential and proprietary in the energy industry.

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

6. 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*, Ky., 904 S.W.2d 766, 768 (Ky. 1995).

7. 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.

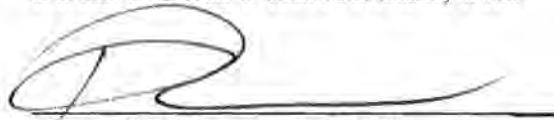
8. Duke Energy Kentucky respectfully requests that the Confidential Information be withheld from public disclosure for a period of ten years. This will assure that the Confidential Information – if disclosed after that time – will no longer be commercially sensitive so as to likely impair the interests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

9. 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.



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Duke Energy Business Services LLC
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Rocco.D'Ascenzo@duke-energy.com
Counsel for Duke Energy Kentucky, Inc.

CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001 Section 8(7), this is to certify that Duke Energy Kentucky, Inc.'s February 25, 2020 electronic filing is a true and accurate copy of the documents being filed in paper medium; that the electronic filing was transmitted to the Commission directly on February 25, 2020; that there are currently no parties that the Commission has excused from participation by electronic means in this proceeding; that an original and one copy of the filing is being delivered via 2nd day mail to the Commission; and that on February 25, 2020, electronic mail notification of the electronic filing will be provided to the following:

Hon. Justin McNeil
Hon. Larry Cook
The Office of Attorney General
Utility Intervention and Rate Division
700 Capital Avenue, Ste. 118
Frankfort, Kentucky 40601


Rocco D'Ascenzo

VERIFICATION

STATE OF NORTH CAROLINA)
) **SS:**
COUNTY OF MECKLENBURG)

The undersigned, Brett Phipps, Managing Direct – Fuel Procurement, being duly sworn, deposes and says that he has personal knowledge of the matters set forth in the foregoing data requests, and that the answers contained therein are true and correct to the best of his knowledge, information and belief.



Brett Phipps, Affiant

Subscribed and sworn to before me by Brett Phipps on this 12 day of February, 2020.



NOTARY PUBLIC

My Commission Expires:

**MARY B VICKNAIR
NOTARY PUBLIC
Davie County
North Carolina
My Commission Expires Sept. 21, 2022**

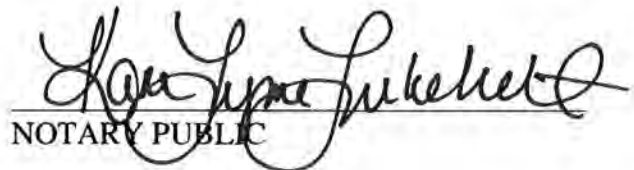
VERIFICATION

STATE OF NORTH CAROLINA)
) SS:
COUNTY OF MECKLENBURG)

The undersigned, John D. Swez, Managing Director Trading and Dispatch, being duly sworn, deposes and says that he has personal knowledge of the matters set forth in the foregoing data requests, and that the answers contained therein are true and correct to the best of his knowledge, information and belief.


John D. Swez, Affiant

Subscribed and sworn to before me by John D. Swez on this 21st day of February, 2020.


NOTARY PUBLIC

My Commission Expires: 3/24/2022

KARA LYNNE LUKEHART
NOTARY PUBLIC
LINCOLN COUNTY, NC
My Commission Expires 3/24/2022

VERIFICATION

STATE OF OHIO)
) SS:
COUNTY OF HAMILTON)

The undersigned, Theodore H. Czupik, Jr., Rates & Regulatory Strategy Manager, being duly sworn, deposes and says that he has personal knowledge of the matters set forth in the foregoing data requests, and that the answers contained therein are true and correct to the best of his knowledge, information and belief.

Theodore H. Czupik Jr.
Theodore H. Czupik, Jr., Affiant

Subscribed and sworn to before me by Theodore H. Czupik, Jr., on this 18th day of February, 2020.

E. Minna Rolfes-Adkins
NOTARY PUBLIC

My Commission Expires: July 8, 2022



E. MINNA ROLFES-ADKINS
Notary Public, State of Ohio
My Commission Expires
July 8, 2022

KyPSC Case No. 2020-00008
TABLE OF CONTENTS

<u>DATA REQUEST</u>	<u>WITNESS</u>	<u>TAB NO.</u>
STAFF-DR-01-001	Brett Phipps	1
STAFF-DR-01-002	Brett Phipps	2
STAFF-DR-01-003	Brett Phipps	3
STAFF-DR-01-004	Brett Phipps	4
STAFF-DR-01-005	Brett Phipps	5
STAFF-DR-01-006	Brett Phipps	6
STAFF-DR-01-007	John Swez Brett Phipps	7
STAFF-DR-01-008	Brett Phipps	8
STAFF-DR-01-009	Brett Phipps	9
STAFF-DR-01-010	Brett Phipps	10
STAFF-DR-01-011	Brett Phipps	11
STAFF-DR-01-012	John Swez	12
STAFF-DR-01-013	Ted Czupik	13
STAFF-DR-01-014	Ted Czupik John Swez	14
STAFF-DR-01-015	John Swez	15

STAFF-DR-01-016	Ted Czupik John Swez	16
STAFF-DR-01-017	John Swez	17
STAFF-DR-01-018	Brett Phipps	18
STAFF-DR-01-019	Brett Phipps	19
STAFF-DR-01-020	Brett Phipps	20

**Duke Energy Kentucky
Case No. 2020-00008
STAFF First Set of Data Requests
Date Received: February 11, 2020**

STAFF-DR-01-001

REQUEST:

For 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, 2019 through October 31, 2019, please see STAFF-DR-01-001 Attachment.

PERSON RESPONSIBLE: Brett Phipps

Duke Energy Kentucky
 Case No. 2020-00008 - Staff First Set Data Requests
 Coal purchased May 1, 2019 - October 31, 2019

<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>
Western KY (formerly Armstrong)	29,724	Contract	DEK32687	1/23/2018	
Alliance Coal LLC	44,789	Spot	DEK33148	2/25/2019	
Alliance Coal LLC	11,460	Spot	DEK 33335	2/19/2020	
Knighthawk	74,024	Contract	DEK 33097	2/25/2019	
Central Coal CO	27,285	Contract	DEK 31641	3/28/2017	
Alliance Coal LLC	227,030	Contract	DEK32262	1/23/2018	
Alliance Coal LLC	113,384	Contract	DEK33073	2/25/2019	
Forsight Coal Sales	132,219	Contract	DEK32274	4/5/2018	
Contura Coal Sales LLC	20,980	Spot	DEK33222	2/25/2019	
Contura Coal Sales LLC	12,577	Spot	DEK33327	2/19/2020	
White Stallion Energy LLC	49,516	Spot	DEK33373	2/19/2020	
Peabody Coal Sales LLC	69,979	Spot	DEK33101	2/25/2019	
Total	812,966				
	74%	Contract			
	26%	Spot			
	100%	Total			

STAFF-DR-01-002

REQUEST:

For 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;
- f. The tonnage requirement for the review period; and
- g. Current price paid per ton.

RESPONSE:

- a. 31641
- b. Central Coal Company as agent Knight Hawk Coal LLC
- c. Knight Hawk's Prairie Eagle Mine, IL
- d. Barge
- e. 27,285
- f. 43,036
- g. \$36.23 (4/1/19-6/30/19); \$36.35 (7/1/19-8/15/19)

- a. 33097
- b. Knight Hawk Coal LLC
- c. Knight Hawk's Prairie Eagle Mine, IL
- d. Barge
- e. 74,024
- f. 137,000
- g. \$39.70 (1/1/19-6/30/19); \$39.55 (7/1/19-9/30/19); \$39.48 (10/1/19-12/31/19)

- a. 32262
- b. Alliance Coal, LLC
- c. Tunnel Ridge, Ohio County, WV
- d. Barge
- e. 227,030
- f. 156,250
- g. \$38.50

- a. 33073
- b. Alliance Coal, LLC
- c. Tunnel Ridge, Ohio County, WV
- d. Barge
- e. 113,384
- f. 95,750
- g. \$47.25

- a. 32687
- b. West KY Consolidated Resource
- c. Knight Hawk's Prairie Eagle Mine, IL
- d. Barge
- e. 29,724
- f. 46,547
- g. \$40.25

- a. 32274
- b. Foresight Coal Sales, LLC.
- c. Shay Mine, Carlinville, Illinois
- d. Barge
- e. 132,219
- f. 96,500
- g. \$34.00

PERSON RESPONSIBLE: Brett Phipps

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 number of days' supply.
- c. State the target coal inventory level for each generating station and for the total system.
- d. If actual coal inventory exceeds the target inventory by ten days' supply, state the reasons for the excess 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, 2019 was 258,275 tons, or 40 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 40 days on October 31, 2019 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. 2020-00008
STAFF First Set of Data Requests
Date Received: February 11, 2020

PUBLIC STAFF-DR-01-004
(As to Attachment Only)

REQUEST:

List each written coal-supply solicitation issued during the period under review.

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

RESPONSE:

CONFIDENTIAL PROPRIETARY TRADE SECRET (As to Attachment Only)

- a. Duke Energy issued a written solicitation during September of 2019 requesting proposals for coal to be delivered during the fourth quarter of 2019 and entire years of 2020, 2021 and 2022. The quantity in the solicitation was not limited as the Company requested proposals for the full amounts of long-term and spot purchases the vendors can offer which enabled the Company to make decisions regarding the amounts to be purchased after evaluations were completed.

- b. The September 2019 written coal solicitation was sent to 27 vendors with 8 vendors providing 35 bids and 1 bid selected for 1 long-term contract by Duke Energy Kentucky. Please see STAFF-DR-01-004 Confidential Attachment containing the proposal evaluation rankings.

PERSON RESPONSIBLE: Brett Phipps

**CONFIDENTIAL PROPRIETARY TRADE
SECRET**

**STAFF-DR-01-004 CONFIDENTIAL
ATTACHMENT**

FILED UNDER SEAL

Duke Energy Kentucky
Case No. 2020-00008
STAFF First Set of Data Requests
Date Received: February 11, 2020

STAFF-DR-01-005

REQUEST:

List each oral coal-supply solicitation issued during 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 time period over which deliveries were requested, and the generating unit(s) for which the coal was intended.
- b. For each solicitation, identify all vendors solicited and the vendor selected. Provide the tabulation sheet or other document that ranks the proposals. (This document should 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, 2019 through October 31, 2019.
- b. N/A

PERSON RESPONSIBLE: Brett Phipps

**Duke Energy Kentucky
Case No. 2020-00008
STAFF First Set of Data Requests
Date Received: February 11, 2020**

STAFF-DR-01-006

REQUEST:

For the period under review, list each vendor from whom natural gas was purchased for generation and the quantities and the nature of each purchase (i.e., spot or contract).

RESPONSE:

Please see STAFF-DR-01-006 Attachment which lists each vendor from whom natural gas was purchased for the period of May 1, 2019 to October 31, 2019.

PERSON RESPONSIBLE: Brett Phipps

Spot/Contract	Trade Number	Trade Date	Counterpart	Delivery Period	Start Date	End Date	Buy/Sell	Qty	Qty UOM	Fixed Price	Ext Amount
May-19											
Spot	3668175	05/03/2019	SEQUENT ENERGY	May 2019	05/03/2019	05/03/2019	Buy	4,000	MMBtu	\$ 2.65	\$ 10,600.00
Spot	3670386	05/15/2019	SEQUENT ENERGY	May 2019	05/15/2019	05/15/2019	Buy	10,000	MMBtu	\$ 2.65	\$ 26,500.00
Spot	3670670	05/16/2019	Eco Energy Nat Gas	May 2019	05/16/2019	05/16/2019	Buy	7,000	MMBtu	\$ 2.55	\$ 17,850.00
Spot	3671915	05/20/2019	Eco Energy Nat Gas	May 2019	05/20/2019	05/20/2019	Buy	12,000	MMBtu	\$ 2.70	\$ 32,400.00
Spot	3672692	05/24/2019	Spotlight Energy	May 2019	05/24/2019	05/24/2019	Buy	5,000	MMBtu	\$ 2.55	\$ 12,750.00
Spot	3673594	05/29/2019	NJR Energy Servic G	May 2019	05/28/2019	05/28/2019	Buy	5,000	MMBtu	\$ 2.95	\$ 14,750.00
Spot	3673985	05/30/2019	TENASKA MARKETING VE	May 2019	05/30/2019	05/30/2019	Buy	5,000	MMBtu	\$ 2.75	\$ 13,750.00
Jun-19											
Spot	3674786	06/03/2019	SEQUENT ENERGY	Jun 2019	06/03/2019	06/03/2019	Buy	7,000	MMBtu	\$ 2.65	\$ 18,550.00
Spot	3676455	06/11/2019	Eco Energy Nat Gas	Jun 2019	06/11/2019	06/11/2019	Buy	10,000	MMBtu	\$ 2.45	\$ 24,500.00
Spot	3679449	06/26/2019	SEQUENT ENERGY	Jun 2019	06/26/2019	06/26/2019	Buy	15,000	MMBtu	\$ 2.30	\$ 34,500.00
Spot	3679538	06/27/2019	TENASKA MARKETING VE	Jun 2019	06/26/2019	06/26/2019	Buy	10,000	MMBtu	\$ 2.55	\$ 25,500.00
Spot	3679765	06/27/2019	Eco Energy Nat Gas	Jun 2019	06/27/2019	06/27/2019	Buy	7,000	MMBtu	\$ 2.47	\$ 17,290.00
Spot	3679917	06/28/2019	SEQUENT ENERGY	Jun 2019	06/28/2019	06/28/2019	Buy	10,000	MMBtu	\$ 2.60	\$ 26,000.00
Spot	3679985	06/28/2019	TENASKA MARKETING VE	Jun 2019	06/28/2019	06/28/2019	Buy	10,000	MMBtu	\$ 2.55	\$ 25,500.00
Spot	3680328	06/30/2019	Eco Energy Nat Gas	Jun 2019	06/29/2019	06/29/2019	Buy	18,000	MMBtu	\$ 2.60	\$ 46,800.00
Spot	3680453	06/30/2019	Spotlight Energy	Jun 2019	06/30/2019	06/30/2019	Buy	20,000	MMBtu	\$ 2.50	\$ 50,000.00
Spot	3680452	06/30/2019	Eco Energy Nat Gas	Jul 2019	07/01/2019	07/01/2019	Buy	15,000	MMBtu	\$ 2.50	\$ 37,500.00
Jul-19											
Spot	3681071	07/02/2019	NJR Energy Servic G	Jul 2019	07/01/2019	07/01/2019	Buy	15,000	MMBtu	\$ 2.75	\$ 41,250.00
Spot	3681239	07/03/2019	NJR Energy Servic G	Jul 2019	07/02/2019	07/02/2019	Buy	5,000	MMBtu	\$ 2.75	\$ 13,750.00
Spot	3682726	07/08/2019	SEQUENT ENERGY	Jul 2019	07/08/2019	07/08/2019	Buy	15,000	MMBtu	\$ 2.55	\$ 38,250.00
Spot	3683019	07/09/2019	NJR Energy Servic G	Jul 2019	07/08/2019	07/08/2019	Buy	13,000	MMBtu	\$ 2.73	\$ 35,490.00
Spot	3683120	07/09/2019	SEQUENT ENERGY	Jul 2019	07/09/2019	07/09/2019	Buy	25,000	MMBtu	\$ 2.68	\$ 67,000.00
Spot	3683223	07/09/2019	Spotlight Energy	Jul 2019	07/09/2019	07/09/2019	Buy	10,000	MMBtu	\$ 2.45	\$ 24,500.00
Spot	3683636	07/10/2019	Eco Energy Nat Gas	Jul 2019	07/10/2019	07/10/2019	Buy	15,000	MMBtu	\$ 2.60	\$ 39,000.00
Spot	3683637	07/10/2019	SEQUENT ENERGY	Jul 2019	07/10/2019	07/10/2019	Buy	22,000	MMBtu	\$ 2.70	\$ 59,400.00
Spot	3683672	07/10/2019	Spotlight Energy	Jul 2019	07/10/2019	07/10/2019	Buy	5,000	MMBtu	\$ 2.55	\$ 12,750.00
Spot	3683937	07/11/2019	NJR Energy Servic G	Jul 2019	07/10/2019	07/10/2019	Buy	10,000	MMBtu	\$ 2.78	\$ 27,800.00
Spot	3683695	07/10/2019	Eco Energy Nat Gas	Jul 2019	07/11/2019	07/11/2019	Buy	10,000	MMBtu	\$ 2.55	\$ 25,500.00
Spot	3684019	07/11/2019	SEQUENT ENERGY	Jul 2019	07/11/2019	07/11/2019	Buy	25,000	MMBtu	\$ 2.70	\$ 67,500.00
Spot	3684318	07/12/2019	SEQUENT ENERGY	Jul 2019	07/12/2019	07/12/2019	Buy	15,000	MMBtu	\$ 2.65	\$ 39,750.00
Spot	3684855	07/14/2019	Eco Energy Nat Gas	Jul 2019	07/13/2019	07/13/2019	Buy	15,000	MMBtu	\$ 2.55	\$ 38,250.00
Spot	3685246	07/15/2019	SEQUENT ENERGY	Jul 2019	07/15/2019	07/15/2019	Buy	5,000	MMBtu	\$ 2.68	\$ 13,400.00
Spot	3685247	07/15/2019	TENASKA MARKETING VE	Jul 2019	07/15/2019	07/15/2019	Buy	197	MMBtu	\$ 2.70	\$ 531.90
Spot	3685601	07/16/2019	Spotlight Energy	Jul 2019	07/16/2019	07/16/2019	Buy	20,000	MMBtu	\$ 2.35	\$ 47,000.00
Spot	3685603	07/16/2019	Eco Energy Nat Gas	Jul 2019	07/16/2019	07/16/2019	Buy	20,000	MMBtu	\$ 2.50	\$ 50,000.00
Spot	3686034	07/17/2019	Eco Energy Nat Gas	Jul 2019	07/17/2019	07/17/2019	Buy	25,000	MMBtu	\$ 2.50	\$ 62,500.00
Spot	3686035	07/17/2019	Spotlight Energy	Jul 2019	07/17/2019	07/17/2019	Buy	15,000	MMBtu	\$ 2.45	\$ 36,750.00
Spot	3686501	07/18/2019	Eco Energy Nat Gas	Jul 2019	07/18/2019	07/18/2019	Buy	25,000	MMBtu	\$ 2.50	\$ 62,500.00
Spot	3686636	07/19/2019	NJR Energy Servic G	Jul 2019	07/18/2019	07/18/2019	Buy	9,000	MMBtu	\$ 2.75	\$ 24,750.00
Spot	3686848	07/19/2019	Eco Energy Nat Gas	Jul 2019	07/19/2019	07/19/2019	Buy	10,000	MMBtu	\$ 2.45	\$ 24,500.00
Spot	3687364	07/20/2019	Eco Energy Nat Gas	Jul 2019	07/20/2019	07/20/2019	Buy	10,000	MMBtu	\$ 2.45	\$ 24,500.00
Spot	3687365	07/20/2019	SEQUENT ENERGY	Jul 2019	07/20/2019	07/20/2019	Buy	10,000	MMBtu	\$ 2.43	\$ 24,300.00
Spot	3689721	07/28/2019	SEQUENT ENERGY	Jul 2019	07/28/2019	07/28/2019	Buy	15,000	MMBtu	\$ 2.50	\$ 37,500.00
Spot	3689830	07/29/2019	NJR Energy Servic G	Jul 2019	07/28/2019	07/28/2019	Buy	15,000	MMBtu	\$ 2.55	\$ 38,250.00
Spot	3689834	07/29/2019	SEQUENT ENERGY	Jul 2019	07/29/2019	07/29/2019	Buy	25,000	MMBtu	\$ 2.55	\$ 63,750.00
Spot	3689934	07/29/2019	Spotlight Energy	Jul 2019	07/29/2019	07/29/2019	Buy	15,000	MMBtu	\$ 2.30	\$ 34,500.00
Spot	3689961	07/29/2019	Spotlight Energy	Jul 2019	07/29/2019	07/29/2019	Buy	20,000	MMBtu	\$ 2.33	\$ 46,600.00
Spot	3690207	07/30/2019	SEQUENT ENERGY	Jul 2019	07/30/2019	07/30/2019	Buy	25,000	MMBtu	\$ 2.53	\$ 63,250.00
Spot	3690304	07/30/2019	Spotlight Energy	Jul 2019	07/30/2019	07/30/2019	Buy	15,000	MMBtu	\$ 2.33	\$ 34,950.00
Spot	3690313	07/30/2019	Eco Energy Nat Gas	Jul 2019	07/30/2019	07/30/2019	Buy	25,000	MMBtu	\$ 2.30	\$ 57,500.00
Spot	3690612	07/31/2019	SEQUENT ENERGY	Jul 2019	07/31/2019	07/31/2019	Buy	25,000	MMBtu	\$ 2.38	\$ 59,500.00
Spot	3690618	07/31/2019	TENASKA MARKETING VE	Jul 2019	07/31/2019	07/31/2019	Buy	15,000	MMBtu	\$ 2.55	\$ 38,250.00
Aug-19											
Spot	3691131	08/02/2019	Eco Energy Nat Gas	Aug 2019	08/02/2019	08/02/2019	Buy	30,000	MMBtu	\$ 2.40	\$ 72,000.00
Spot	3691565	08/04/2019	Eco Energy Nat Gas	Aug 2019	08/04/2019	08/04/2019	Buy	15,000	MMBtu	\$ 2.30	\$ 34,500.00
Spot	3691566	08/04/2019	Spotlight Energy	Aug 2019	08/04/2019	08/04/2019	Buy	19,336	MMBtu	\$ 2.35	\$ 45,439.60
Spot	3691938	08/05/2019	Spotlight Energy	Aug 2019	08/05/2019	08/05/2019	Buy	25,000	MMBtu	\$ 2.25	\$ 56,250.00
Spot	3691939	08/05/2019	Eco Energy Nat Gas	Aug 2019	08/05/2019	08/05/2019	Buy	15,000	MMBtu	\$ 2.25	\$ 33,750.00
Spot	3692315	08/06/2019	Eco Energy Nat Gas	Aug 2019	08/06/2019	08/06/2019	Buy	15,000	MMBtu	\$ 2.35	\$ 35,250.00
Spot	3692316	08/06/2019	Spotlight Energy	Aug 2019	08/06/2019	08/06/2019	Buy	15,000	MMBtu	\$ 2.40	\$ 36,000.00
Spot	3692687	08/07/2019	Eco Energy Nat Gas	Aug 2019	08/07/2019	08/07/2019	Buy	25,000	MMBtu	\$ 2.40	\$ 60,000.00
Spot	3692962	08/08/2019	Spotlight Energy	Aug 2019	08/08/2019	08/08/2019	Buy	30,000	MMBtu	\$ 2.35	\$ 70,500.00
Spot	3693233	08/09/2019	Eco Energy Nat Gas	Aug 2019	08/09/2019	08/09/2019	Buy	10,000	MMBtu	\$ 2.25	\$ 22,500.00
Spot	3694000	08/12/2019	TENASKA MARKETING VE	Aug 2019	08/12/2019	08/12/2019	Buy	15,000	MMBtu	\$ 2.50	\$ 37,500.00
Spot	3693905	08/12/2019	Spotlight Energy	Aug 2019	08/12/2019	08/12/2019	Buy	15,000	MMBtu	\$ 2.31	\$ 34,650.00
Spot	3694716	08/14/2019	Spotlight Energy	Aug 2019	08/14/2019	08/14/2019	Buy	15,000	MMBtu	\$ 2.33	\$ 34,950.00
Spot	3695329	08/16/2019	Eco Energy Nat Gas	Aug 2019	08/16/2019	08/16/2019	Buy	10,000	MMBtu	\$ 2.48	\$ 24,800.00
Spot	3695762	08/18/2019	Eco Energy Nat Gas	Aug 2019	08/18/2019	08/18/2019	Buy	25,000	MMBtu	\$ 2.48	\$ 62,000.00
Spot	3696098	08/19/2019	Eco Energy Nat Gas	Aug 2019	08/19/2019	08/19/2019	Buy	8,000	MMBtu	\$ 2.50	\$ 20,000.00

Spot/Contract	Trade Number	Trade Date	Counterpart	Delivery Period	Start Date	End Date	Buy/Sell	Qty	Qty UOM	Fixed Price	Ext Amount
Spot	3696458	08/20/2019	Eco Energy Nat Gas	Aug 2019	08/20/2019	08/20/2019	Buy	35,000	MMBtu	\$ 2.50	\$ 87,500.00
Spot	3698782	08/29/2019	SEQUENT ENERGY	Aug 2019	08/29/2019	08/29/2019	Buy	5,000	MMBtu	\$ 2.30	\$ 11,500.00
Spot	3698985	08/30/2019	Spotlight Energy	Aug 2019	08/30/2019	08/30/2019	Buy	7,000	MMBtu	\$ 2.43	\$ 17,010.00
Sep-19											
Spot	3699480	09/02/2019	SEQUENT ENERGY	Sep 2019	09/02/2019	09/02/2019	Buy	10,000	MMBtu	\$ 2.45	\$ 24,500.00
Spot	3699742	09/03/2019	SEQUENT ENERGY	Sep 2019	09/03/2019	09/03/2019	Buy	15,000	MMBtu	\$ 2.55	\$ 38,250.00
Spot	3699889	09/04/2019	Eco Energy Nat Gas	Sep 2019	09/04/2019	09/04/2019	Buy	17,000	MMBtu	\$ 2.50	\$ 42,500.00
Spot	3699934	09/04/2019	TENASKA MARKETING VE	Sep 2019	09/04/2019	09/04/2019	Buy	10,000	MMBtu	\$ 2.80	\$ 28,000.00
Spot	3699987	09/05/2019	NJR Energy Servic G	Sep 2019	09/04/2019	09/04/2019	Buy	7,000	MMBtu	\$ 2.78	\$ 19,460.00
Spot	3700913	09/09/2019	TENASKA MARKETING VE	Sep 2019	09/09/2019	09/09/2019	Buy	8,000	MMBtu	\$ 2.90	\$ 23,200.00
Spot	3701252	09/10/2019	Eco Energy Nat Gas	Sep 2019	09/10/2019	09/10/2019	Buy	15,000	MMBtu	\$ 2.75	\$ 41,250.00
Spot	3701619	09/11/2019	TENASKA MARKETING VE	Sep 2019	09/10/2019	09/10/2019	Buy	15,000	MMBtu	\$ 2.90	\$ 43,500.00
Spot	3701618	09/11/2019	TENASKA MARKETING VE	Sep 2019	09/11/2019	09/11/2019	Buy	15,000	MMBtu	\$ 2.80	\$ 42,000.00
Spot	3701563	09/11/2019	Eco Energy Nat Gas	Sep 2019	09/11/2019	09/11/2019	Buy	25,000	MMBtu	\$ 2.85	\$ 71,250.00
Spot	3701785	09/12/2019	Eco Energy Nat Gas	Sep 2019	09/12/2019	09/12/2019	Buy	30,000	MMBtu	\$ 2.75	\$ 82,500.00
Spot	3701901	09/12/2019	NJR Energy Servic G	Sep 2019	09/12/2019	09/12/2019	Buy	4,946	MMBtu	\$ 2.85	\$ 14,096.10
Spot	3701903	09/12/2019	TENASKA MARKETING VE	Sep 2019	09/12/2019	09/12/2019	Buy	6,608	MMBtu	\$ 2.90	\$ 19,163.20
Spot	3702052	09/13/2019	NJR Energy Servic G	Sep 2019	09/13/2019	09/13/2019	Buy	10,000	MMBtu	\$ 2.85	\$ 28,500.00
Spot	3702097	09/13/2019	TENASKA MARKETING VE	Sep 2019	09/13/2019	09/13/2019	Buy	17,000	MMBtu	\$ 2.85	\$ 48,450.00
Spot	3703175	09/17/2019	NJR Energy Servic G	Sep 2019	09/16/2019	09/16/2019	Buy	2,500	MMBtu	\$ 2.95	\$ 7,375.00
Spot	3703176	09/17/2019	Spotlight Energy	Sep 2019	09/16/2019	09/16/2019	Buy	10,000	MMBtu	\$ 2.95	\$ 29,500.00
Spot	3703184	09/17/2019	Spotlight Energy	Sep 2019	09/17/2019	09/17/2019	Buy	10,000	MMBtu	\$ 2.85	\$ 28,500.00
Spot	3704414	09/21/2019	Spotlight Energy	Sep 2019	09/20/2019	09/20/2019	Buy	6,000	MMBtu	\$ 2.80	\$ 16,800.00
Spot	3704415	09/21/2019	Spotlight Energy	Sep 2019	09/21/2019	09/21/2019	Buy	6,000	MMBtu	\$ 2.75	\$ 16,500.00
Spot	3704619	09/22/2019	Spotlight Energy	Sep 2019	09/22/2019	09/22/2019	Buy	5,000	MMBtu	\$ 2.75	\$ 13,750.00
Spot	3704718	09/23/2019	Eco Energy Nat Gas	Sep 2019	09/23/2019	09/23/2019	Buy	15,000	MMBtu	\$ 2.65	\$ 39,750.00
Spot	3705857	09/27/2019	Eco Energy Nat Gas	Sep 2019	09/26/2019	09/26/2019	Buy	10,000	MMBtu	\$ 2.50	\$ 25,000.00
Spot	3705977	09/27/2019	Eco Energy Nat Gas	Sep 2019	09/27/2019	09/27/2019	Buy	5,000	MMBtu	\$ 2.52	\$ 12,600.00
Oct-19											
Spot	3706840	10/01/2019	Eco Energy Nat Gas	Oct 2019	10/01/2019	10/01/2019	Buy	14,442	MMBtu	\$ 2.50	\$ 36,105.00
Spot	3707317	10/02/2019	NJR Energy Servic G	Oct 2019	10/02/2019	10/02/2019	Buy	15,000	MMBtu	\$ 2.80	\$ 42,000.00
Spot	3707594	10/03/2019	Eco Energy Nat Gas	Oct 2019	10/03/2019	10/03/2019	Buy	8,888	MMBtu	\$ 2.50	\$ 22,220.00
Spot	3711709	10/24/2019	NJR Energy Servic G	Oct 2019	10/23/2019	10/23/2019	Buy	4,000	MMBtu	\$ 2.85	\$ 11,400.00
Spot	3711812	10/24/2019	Eco Energy Nat Gas	Oct 2019	10/24/2019	10/24/2019	Buy	10,000	MMBtu	\$ 2.45	\$ 24,500.00
Spot	3712317	10/27/2019	Eco Energy Nat Gas	Oct 2019	10/27/2019	10/27/2019	Buy	5,000	MMBtu	\$ 2.40	\$ 12,000.00

Duke Energy Kentucky
Case No. 2020-00008
STAFF First Set of Data Requests
Date Received: February 11, 2020

STAFF-DR-01-007

REQUEST:

For 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:

During the period under review, a review of the Company's North American Electric Reliability Corporation (NERC) Generating Availability Data System (GADS) records and dispatcher logs for Woodsdale Station did not show any instances in which a natural gas generating unit could not be operated due to pipeline constraints or natural gas being unavailable.

PERSON RESPONSIBLE: John Swez
Brett Phipps

**Duke Energy Kentucky
Case No. 2020-00008
STAFF First Set of Data Requests
Date Received: February 11, 2020**

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. 2020-00008
STAFF First Set of Data Requests
Date Received: February 11, 2020**

STAFF-DR-01-009

REQUEST:

- a. State whether Duke Kentucky has audited any of its fuel or transportation contracts during 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:

Duke Energy Kentucky has not audited any of its fuel or transportation contracts during the period of May 1, 2019 through October 31, 2019.

PERSON RESPONSIBLE: Brett Phipps

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

STAFF-DR-01-011

REQUEST:

- a. For each period under review, state whether there have been any changes to Duke Kentucky's written policies and procedures regarding its fuel procurement.
- b. If yes:
 - (1) Describe the changes;
 - (2) Provide the written policies and procedures as changed;
 - (3) State the dates(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, provide the date when they were last provided to the Commission, and identify the proceeding in which they were provided.

RESPONSE:

Coal:

- a. No, there have not been any changes to Duke Energy Kentucky's written policies and procedures regarding its fuel procurement.
- b. N/A
- c. The "Regulated Utilities Risk Management Control Manual" was updated January 2018 and the "Regulated Utilities Risk Limits" document was updated January of 2017. These two documents were submitted in Case No. 2018-00220 as STAFF-DR-01-011 Confidential Attachments 1 and 2. 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:

- a. Policy and Procedure: Yes, an update was made to the "DEI and DEK Gas Trading Procedure for Off-Premise Transactions.

- (1) In part II "Responsibilities" of the current procedure, there was a change in job title from "Manager Gas Trading" to "Director of Trading"

- In part IV, section 2 "Trading/Scheduling", "Time of Transaction" and "Notes (if applicable)" were added to the list of steps required when gas is procured and/or sold.

- (2) The updated procedure will be filed with this FAC.

- (3) The procedure was updated June 2019.

- (4) In part II "Responsibilities" of the current procedure, it was updated due to change in management personnel.

- In part IV, section 2 "Trading/Scheduling", "Time of Transaction" and "Notes (if applicable)" were added to the listing as a process improvement to include additional clarification when natural gas is procured and/or sold by the trader.

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.

PERSON RESPONSIBLE: Brett Phipps

Duke Energy Kentucky
Case No. 2020-00008
STAFF First Set of Data Requests
Date Received: February 11, 2020

STAFF-DR-01-012

REQUEST:

For the period under review, list all firm power commitments for (a) purchases and (b) sales. This list shall identify the electric utility, the amount of commitment in megawatts, 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. 2020-00008
STAFF First Set of Data Requests
Date Received: February 11, 2020

STAFF-DR-01-013

REQUEST:

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

RESPONSE:

Please see STAFF-DR-01-013 Attachment.

PERSON RESPONSIBLE: Ted Czupik

DUKE ENERGY KENTUCKY
 POWER TRANSACTION SCHEDULE

Supplier/Buyer		Transaction Type	kWh	Charges (\$)			
				Demand	Fuel	Other	Total
Month Ended May 31, 2019							
PJM Interconnection, LLC		Econ Sales	31,764,480	0	652,914	109,003	761,917
	Total Sales		<u>31,764,480</u>	<u>0</u>	<u>652,914</u>	<u>109,003</u>	<u>761,917</u>
Month Ended June 30, 2019							
PJM Interconnection, LLC		Econ Sales	17,801,240	0	536,351	(88,901)	447,450
	Total Sales		<u>17,801,240</u>	<u>0</u>	<u>536,351</u>	<u>(88,901)</u>	<u>447,450</u>
Month Ended July 31, 2019							
PJM Interconnection, LLC		Econ Sales	28,009,540	0	984,079	13,912	997,991
	Total Sales		<u>28,009,540</u>	<u>0</u>	<u>984,079</u>	<u>13,912</u>	<u>997,991</u>
Month Ended August 31, 2019							
PJM Interconnection, LLC		Econ Sales	18,318,690	0	355,077	203,044	558,121
	Total Sales		<u>18,318,690</u>	<u>0</u>	<u>355,077</u>	<u>203,044</u>	<u>558,121</u>
Month Ended September 30, 2019							
PJM Interconnection, LLC		Econ Sales	26,093,930	0	1,292,817	(320,174)	972,643
	Total Sales		<u>26,093,930</u>	<u>0</u>	<u>1,292,817</u>	<u>(320,174)</u>	<u>972,643</u>
Month Ended October 31, 2019							
PJM Interconnection, LLC		Econ Sales	0	0	0	0	0
	Total Sales		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

Legend
 Econ Sales - Economy Sales

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 not 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: Ted Czupik
John Swez

Duke Energy Kentucky
Case No. 2020-00008
STAFF First Set of Data Requests
Date Received: February 11, 2020

STAFF-DR-01-015

REQUEST:

Provide a list, in chronological order, showing by unit and scheduled, actual, and forced outages for the period under review.

RESPONSE:

Please see STAFF-DR-01-015 Attachment.

PERSON RESPONSIBLE: John Swez

Unit Name	Event Type	Month	Scheduled Hours	Forced Hours	Actual Hours	Event Duration	Event Start	Event End	Description
East Bend 2	U1	May		16.9	16.9	16.9	5/31/19 4:29 PM	6/1/19 9:22 AM	#4 Throttle Valve Actuator Failure
East Bend 2	U1	Oct		54.8	54.8	54.8	10/1/19 3:10 PM	10/3/19 10:00 PM	Condenser leak - chemistry issues
East Bend 2	MO	Oct	938.0		938.0	938.0	10/3/19 10:00 PM	11/12/19 12:00 AM	Turbine repairs
Woodsdale CT1	U1	May		4.2	4.2	4.2	5/29/19 2:57 PM	5/29/19 7:12 PM	Automatic trip due to oil leak
Woodsdale CT1	MO	Jun	9.0		9.0	9.0	6/14/19 6:00 AM	6/14/19 2:57 PM	Install isolation valve & relocate Fuel Oil orifice
Woodsdale CT1	PO	Sep	1493.0		1493.0	1493.0	9/18/19 6:00 AM	11/19/19 10:57 AM	Generator upgrade
Woodsdale CT2	PO	May	17.1		17.1	17.1	5/8/19 3:33 PM	5/9/19 8:41 AM	During burner inspection found damaged turbine blades
Woodsdale CT2	PO	May	115.3		115.3	115.3	5/9/19 12:03 PM	5/14/19 7:21 AM	During burner inspection found damaged turbine blades
Woodsdale CT2	PO	May	89.5		89.5	89.5	5/14/19 4:21 PM	5/18/19 9:53 AM	During burner inspection found damaged turbine blades
Woodsdale CT2	PO	May	74.4		74.4	74.4	5/18/19 11:09 AM	5/21/19 1:31 PM	During burner inspection found damaged turbine blades
Woodsdale CT2	PO	May	44.2		44.2	44.2	5/21/19 2:06 PM	5/23/19 10:18 AM	During burner inspection found damaged turbine blades
Woodsdale CT2	PO	May	18.0		18.0	18.0	5/23/19 2:14 PM	5/24/19 8:15 AM	During burner inspection found damaged turbine blades
Woodsdale CT2	MO	Jun	9.0		9.0	9.0	6/14/19 6:00 AM	6/14/19 2:57 PM	Install isolation valve & relocate Fuel Oil orifice
Woodsdale CT3	PO	May	14.2		14.2	14.2	5/26/19 2:54 PM	5/27/19 5:03 AM	Fuel Oil Outage
Woodsdale CT3	PO	May	5.4		5.4	5.4	5/27/19 8:57 AM	5/27/19 2:22 PM	Fuel Oil Outage
Woodsdale CT3	PO	May	16.9		16.9	16.9	5/27/19 5:49 PM	5/28/19 10:42 AM	Fuel Oil Outage
Woodsdale CT3	PO	May	36.6		36.6	36.6	5/28/19 7:06 PM	5/30/19 7:41 AM	Fuel Oil Outage
Woodsdale CT3	PO	May	2.3		2.3	2.3	5/30/19 3:57 PM	5/30/19 6:12 PM	Fuel Oil Outage
Woodsdale CT3	MO	Jun	9.0		9.0	9.0	6/14/19 6:00 AM	6/14/19 2:57 PM	Install isolation valve & relocate Fuel Oil orifice
Woodsdale CT3	U1	Aug		7.3	7.3	7.3	8/21/19 8:55 AM	8/21/19 4:11 PM	Fuel Oil Drain Valve Trouble
Woodsdale CT3	PO	Oct	434.1		434.1	434.1	10/12/19 6:00 AM	10/30/19 8:09 AM	SFC outage
Woodsdale CT4	PO	May	163.0		163.0	163.0	5/20/19 4:32 PM	5/27/19 11:32 AM	Fuel Oil Outage
Woodsdale CT4	PO	May	78.1		78.1	78.1	5/27/19 11:46 AM	5/30/19 5:51 PM	Fuel Oil Outage
Woodsdale CT4	PO	May	9.3		9.3	9.3	5/30/19 7:55 PM	5/31/19 5:11 AM	Fuel Oil Outage
Woodsdale CT4	MO	Jun	5.1		5.1	5.1	6/13/19 6:00 AM	6/13/19 11:05 AM	Install isolation valve & relocate Fuel Oil orifice
Woodsdale CT4	U1	Jun		1.6	1.6	1.6	6/26/19 3:46 PM	6/26/19 5:20 PM	Operator Error
Woodsdale CT4	U1	Jul		5.3	5.3	5.3	7/2/19 11:30 AM	7/2/19 4:45 PM	Took unit offline due to oil leak at fuel oil valve on top of combustor
Woodsdale CT4	MO	Aug	31.6		31.6	31.6	8/22/19 10:22 AM	8/23/19 6:00 PM	Working on Moog Fuel Valves
Woodsdale CT4	MO	Sep	8.0		8.0	8.0	9/8/19 6:00 AM	9/8/19 2:00 PM	Change out Inlet Filters
Woodsdale CT4	PO	Sep	1397.9		1397.9	1397.9	9/21/19 6:00 AM	11/18/19 11:53 AM	Begin U4 Compressor Outage
Woodsdale CT5	PO	May	50.3		50.3	50.3	5/1/19 3:38 PM	5/3/19 5:58 PM	Fuel Oil Outage
Woodsdale CT5	PO	May	20.7		20.7	20.7	5/3/19 6:06 PM	5/4/19 2:49 PM	Fuel Oil Outage
Woodsdale CT5	PO	May	240.2		240.2	240.2	5/4/19 2:53 PM	5/14/19 3:04 PM	Fuel Oil Outage
Woodsdale CT5	PO	May	15.4		15.4	15.4	5/14/19 4:00 PM	5/15/19 7:25 AM	Fuel Oil Outage
Woodsdale CT5	PO	May	18.8		18.8	18.8	5/15/19 1:23 PM	5/16/19 8:13 AM	Fuel Oil Outage
Woodsdale CT5	PO	May	21.5		21.5	21.5	5/16/19 4:52 PM	5/17/19 2:20 PM	Fuel Oil Outage
Woodsdale CT5	PO	May	26.2		26.2	26.2	5/17/19 6:26 PM	5/18/19 8:40 PM	Fuel Oil Outage
Woodsdale CT5	PO	May	58.1		58.1	58.1	5/18/19 10:08 PM	5/21/19 8:15 AM	Fuel Oil Outage
Woodsdale CT5	PO	May	20.0		20.0	20.0	5/21/19 12:10 PM	5/22/19 8:11 AM	Fuel Oil Outage
Woodsdale CT5	PO	May	9.0		9.0	9.0	5/22/19 8:13 AM	5/22/19 5:16 PM	Fuel Oil Outage
Woodsdale CT5	PO	May	13.4		13.4	13.4	5/22/19 5:55 PM	5/23/19 7:17 AM	Fuel Oil Outage
Woodsdale CT5	MO	Jun	7.1		7.1	7.1	6/13/19 6:00 AM	6/13/19 1:04 PM	Install isolation valve & relocate Fuel Oil orifice
Woodsdale CT5	MO	Jul	153.3		153.3	153.3	7/6/19 9:00 AM	7/12/19 6:15 PM	Tagged TB41 to work on Unit 6
Woodsdale CT5	MO	Jul	6.8		6.8	6.8	7/17/19 7:15 AM	7/17/19 2:05 PM	Tagged TB41 to work on Unit 6
Woodsdale CT5	MO	Aug	9.2		9.2	9.2	8/22/19 10:22 AM	8/22/19 7:34 PM	Working on Moog Fuel Valves
Woodsdale CT5	MO	Sep	8.0		8.0	8.0	9/8/19 6:00 AM	9/8/19 2:00 PM	Change out Inlet Filters
Woodsdale CT5	PO	Sep	674.0		674.0	674.0	9/21/19 6:00 AM	10/19/19 8:00 AM	SFC Outage
Woodsdale CT6	PO	May	43.0		43.0	43.0	5/1/19 12:18 PM	5/3/19 7:16 AM	Fuel Oil Outage
Woodsdale CT6	PO	May	19.6		19.6	19.6	5/3/19 5:08 PM	5/4/19 12:43 PM	Fuel Oil Outage
Woodsdale CT6	PO	May	241.1		241.1	241.1	5/4/19 3:25 PM	5/14/19 4:30 PM	Fuel Oil Outage
Woodsdale CT6	PO	May	18.1		18.1	18.1	5/14/19 5:17 PM	5/15/19 11:25 AM	Fuel Oil Outage
Woodsdale CT6	PO	May	39.6		39.6	39.6	5/15/19 4:16 PM	5/17/19 7:54 AM	Fuel Oil Outage
Woodsdale CT6	PO	May	64.8		64.8	64.8	5/17/19 4:39 PM	5/20/19 9:30 AM	Fuel Oil Outage
Woodsdale CT6	PO	May	42.3		42.3	42.3	5/20/19 1:31 PM	5/22/19 7:46 AM	Fuel Oil Outage
Woodsdale CT6	MO	Jun	7.1		7.1	7.1	6/13/19 6:00 AM	6/13/19 1:04 PM	Install isolation valve & relocate Fuel Oil orifice
Woodsdale CT6	SF	Jun		4.9	4.9	4.9	6/19/19 8:27 AM	6/19/19 1:24 PM	FLAME OUT
Woodsdale CT6	U1	Jul		360.9	360.9	360.9	7/2/19 1:12 PM	7/17/19 2:05 PM	Bus duct work failure, repaired
Woodsdale CT6	MO	Sep	8.0		8.0	8.0	9/8/19 6:00 AM	9/8/19 2:00 PM	Change out Inlet Filters
Woodsdale CT6	U1	Sep		2.7	2.7	2.7	9/10/19 10:09 PM	9/11/19 12:53 AM	2nd stage NG reg problem
Woodsdale CT6	PO	Sep	673.9		673.9	673.9	9/21/19 6:00 AM	10/19/19 7:56 AM	SFC outage

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. 2020-00008
STAFF First Set of Data Requests
Date Received: February 11, 2020

STAFF-DR-01-016

REQUEST:

For 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 2019	305,475	744	600	446,400	68.43%
June 2019	340,281	720	600	432,000	78.77%
July 2019	371,376	744	600	446,400	83.19%
August 2019	340,368	744	600	446,400	76.25%
September 2019	358,714	720	600	432,000	83.04%
October 2019	490	744	600	446,400	0.11%
Total	1,716,704	4,416	600	2,649,600	64.79%

Total Period

<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	17,707	4,416	80.67	356,352	4.97%
Unit 2	24,952	4,416	82.00	362,208	6.89%
Unit 3	27,461	4,416	82.00	362,208	7.58%
Unit 4	20,387	4,416	80.67	356,352	5.72%
Unit 5	19,616	4,416	82.00	362,208	5.42%
Unit 6	15,913	4,416	82.00	362,208	4.39%
Total	126,036	26,496	81.56	2,161,536	5.83%

May 2019

Woodsdale Station	Net MWH	Period Hours	MW Rating	MW Hours	Net Capacity Factor
Unit 1	734	744	86	63,984	1.15%
Unit 2	1,555	744	86	63,984	2.43%
Unit 3	1,285	744	86	63,984	2.01%
Unit 4	1,178	744	86	63,984	1.84%
Unit 5	1,625	744	86	63,984	2.54%
Unit 6	<u>2,369</u>	<u>744</u>	86	<u>63,984</u>	<u>3.70%</u>
Total	8,746	4,464	86	383,904	2.28%

June 2019

Woodsdale Station	Net MWH	Period Hours	MW Rating	MW Hours	Net Capacity Factor
Unit 1	2,065	720	78	56,160	3.68%
Unit 2	1,830	720	80	57,600	3.18%
Unit 3	4,047	720	80	57,600	7.03%
Unit 4	1,773	720	78	56,160	3.16%
Unit 5	2,630	720	80	57,600	4.57%
Unit 6	<u>637</u>	<u>720</u>	80	<u>57,600</u>	<u>1.11%</u>
Total	12,982	4,320	79	342,720	3.79%

July 2019

Woodsdale Station	Net MWH	Period Hours	MW Rating	MW Hours	Net Capacity Factor
Unit 1	7,205	744	78	58,032	12.42%
Unit 2	9,442	744	80	59,520	15.86%
Unit 3	9,740	744	80	59,520	16.36%
Unit 4	8,626	744	78	58,032	14.86%
Unit 5	6,251	744	80	59,520	10.50%
Unit 6	<u>3,970</u>	<u>744</u>	80	<u>59,520</u>	<u>6.67%</u>
Total	45,234	4,464	79	354,144	12.77%

August 2019

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	4,234	744	78	58,032	7.30%
Unit 2	4,463	744	80	59,520	7.50%
Unit 3	4,329	744	80	59,520	7.27%
Unit 4	3,987	744	78	58,032	6.87%
Unit 5	4,594	744	80	59,520	7.72%
Unit 6	<u>4,599</u>	<u>744</u>	80	<u>59,520</u>	<u>7.73%</u>
Total	26,206	4,464	79	354,144	7.40%

September 2019

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	3,542	720	78	56,160	6.31%
Unit 2	5,446	720	80	57,600	9.45%
Unit 3	6,345	720	80	57,600	11.02%
Unit 4	4,908	720	78	56,160	8.74%
Unit 5	4,295	720	80	57,600	7.46%
Unit 6	<u>3,915</u>	<u>720</u>	80	<u>57,600</u>	<u>6.80%</u>
Total	28,451	4,320	79	342,720	8.30%

October 2019

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	(72)	744	86	63,984	-0.11%
Unit 2	2,216	744	86	63,984	3.46%
Unit 3	1,715	744	86	63,984	2.68%
Unit 4	(85)	744	86	63,984	-0.13%
Unit 5	221	744	86	63,984	0.35%
Unit 6	<u>423</u>	<u>744</u>	86	<u>63,984</u>	<u>0.66%</u>
Total	4,418	4,464	86	383,904	1.15%

PERSON RESPONSIBLE:

Ted Czupik
John Swez

**Duke Energy Kentucky
Case No. 2020-00008
STAFF First Set of Data Requests
Date Received: February 11, 2020**

STAFF-DR-01-017

REQUEST:

- a. For 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 Kentucky completed installation of the backup fuel oil system for each of the six Woodsdale combustion turbine units by June 1, 2019.
- b. During times when natural gas is partially or not available, when there are pressure or other delivery issues, or when it is more economic, Duke Kentucky now has the option to run the Woodsdale units using fuel oil.

PERSON RESPONSIBLE: John Swez

Duke Energy Kentucky
Case No. 2020-00008
STAFF First Set of Data Requests
Date Received: February 11, 2020

STAFF-DR-01-018

REQUEST:

State whether Duke Kentucky is aware of any violations of its policies and procedures regarding fuel procurement that occurred prior to or during 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. 2020-00008
STAFF First Set of Data Requests
Date Received: February 11, 2020**

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 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. 2020-00008
STAFF First Set of Data Requests
Date Received: February 11, 2020

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 and Fuel Oil:

All master agreements for physical suppliers and master long-term transportation agreements have been filed with the Commission. The Company also has filed its invoices for purchases under the master agreements monthly.

PERSON RESPONSIBLE: Brett Phipps