

VERIFICATION

STATE OF OHIO)
)
COUNTY OF HAMILTON) SS:

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 7th day of February, 2017.

ADELE M. FRISCH
Notary Public, State of Ohio
My Commission Expires 01-05-2019

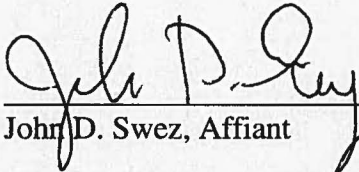
Adele M. Frisch
NOTARY PUBLIC

My Commission Expires: 1/5/2019

VERIFICATION

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


The undersigned, John D. Swez, Director of General Dispatch & Operations, Power 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 20 day of February 2017.

KATIE JAMIESON
Notary Public, North Carolina
Gaston County
My Commission Expires _____



NOTARY PUBLIC

My Commission Expires: June 14, 2021

VERIFICATION

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

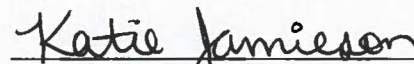
The undersigned, Brett Phipps, Managing Direct – Fuel Procurement, being duly sworn, deposes and says that he has personal knowledge of the matters set forth in the foregoing data requests, and that the answers contained therein are true and correct to the best of his knowledge, information and belief.



Brett Phipps, Affiant

Subscribed and sworn to before me by Brett Phipps on this 20 day of February
2017.

KATIE JAMIESON
Notary Public, North Carolina
Gaston County
My Commission Expires



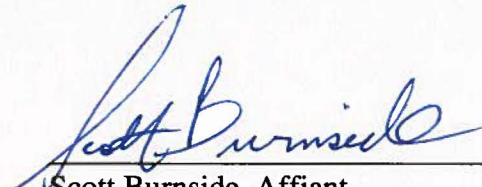
NOTARY PUBLIC

My Commission Expires: June 14, 2021

VERIFICATION

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

The undersigned, Scott Burnside, Manager Post Analyst & Regulatory Support, being duly sworn, deposes and says that he has personal knowledge of the matters set forth in the foregoing data requests are true and correct to the best of his knowledge, information and belief.



Scott Burnside, Affiant

Subscribed and sworn to before me by Scott Burnside on this 20 day of February, 2017.

KATIE JAMIESON
Notary Public, North Carolina
Gaston County
My Commission Expires _____



NOTARY PUBLIC

My Commission Expires: June 14, 2021

KYPSC CASE NO. 2017-00005
TABLE OF CONTENTS

| <u>DATA REQUEST</u> | <u>WITNESS</u> | <u>TAB NO.</u> |
|----------------------------|--|-----------------------|
| STAFF-DR-01-001 | Theodore H. Czupik, Jr..... | 1 |
| STAFF-DR-01-002 | Theodore H. Czupik, Jr..... | 2 |
| STAFF-DR-01-003 | Theodore H. Czupik, Jr..... | 3 |
| STAFF-DR-01-004 | Theodore H. Czupik, Jr..... | 4 |
| STAFF-DR-01-005 | Theodore H. Czupik, Jr..... | 5 |
| STAFF-DR-01-006 | Theodore H. Czupik, Jr..... | 6 |
| STAFF-DR-01-007 | Theodore H. Czupik, Jr..... | 7 |
| STAFF-DR-01-008 | Theodore H. Czupik, Jr..... | 8 |
| STAFF-DR-01-009 | John D. Swez | 9 |
| STAFF-DR-01-010 | John D. Swez | 10 |
| STAFF-DR-01-011 | John D. Swez | 11 |
| STAFF-DR-01-012 | Theodore H. Czupik, Jr..... | 12 |
| STAFF-DR-01-013 | Theodore H. Czupik, Jr/ John D. Swez..... | 13 |
| STAFF-DR-01-014 | John D. Swez | 14 |
| STAFF-DR-01-015 | Brett Phipps | 15 |
| STAFF-DR-01-016 | Theodore H. Czupik, Jr..... | 16 |

| | | |
|-----------------|--|----|
| STAFF-DR-01-017 | Theodore H. Czupik, Jr..... | 17 |
| STAFF-DR-01-018 | Brett Phipps | 18 |
| STAFF-DR-01-019 | Brett Phipps | 19 |
| STAFF-DR-01-020 | Brett Phipps | 20 |
| STAFF-DR-01-021 | Brett Phipps | 21 |
| STAFF-DR-01-022 | Brett Phipps | 22 |
| STAFF-DR-01-023 | Theodore H. Czupik, Jr..... | 23 |
| STAFF-DR-01-024 | Brett Phipps | 24 |
| STAFF-DR-01-025 | Brett Phipps | 25 |
| STAFF-DR-01-026 | Brett Phipps | 26 |
| STAFF-DR-01-027 | Brett Phipps | 27 |
| STAFF-DR-01-028 | Brett Phipps | 28 |
| STAFF-DR-01-029 | Brett Phipps | 29 |
| STAFF-DR-01-030 | Theodore H. Czupik, Jr..... | 30 |
| STAFF-DR-01-031 | John D. Swez | 31 |
| STAFF-DR-01-032 | Brett Phipps | 32 |
| STAFF-DR-01-033 | Brett Phipps | 33 |
| STAFF-DR-01-034 | Brett Phipps | 34 |
| STAFF-DR-01-035 | John D. Swez | 35 |
| STAFF-DR-01-036 | Theodore H. Czupik, Jr/ John D. Swez..... | 36 |

| | | |
|-----------------|--|----|
| STAFF-DR-01-037 | Theodore H. Czupik, Jr/ John D. Swez..... | 37 |
| STAFF-DR-01-038 | Brett Phipps | 38 |
| STAFF-DR-01-039 | John D. Swez | 39 |
| STAFF-DR-01-040 | Brett Phipps | 40 |
| STAFF-DR-01-041 | Scott Burnside | 41 |
| STAFF-DR-01-042 | John D. Swez | 42 |

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:

CONFIDENTIAL PROPRIETARY TRADE SECRET

October 2016 was selected to be the base period because it is reasonably close-in-time to the next two-year period and because the resulting fuel rate for this period was the closest to the expected fuel rate projected for the next two-year fuel adjustment period. The fuel rate for October 2016 was \$0.023837/kWh.

[REDACTED]

The cost per kWh during the proposed base month of October 2016 was calculated as follows:

| | | |
|--------------------------------|---------------------|--------------|
| <u>Fuel (b) (October 2016)</u> | <u>\$ 7,146,618</u> | |
| Sales (b) (October 2016) | 299,818,002 | = \$0.023837 |

PERSON RESPONSIBLE: Theodore H. Czupik Jr.

**Duke Energy Kentucky
Case No. 2017-00005
Staff First Set Data Requests
Date Received: February 6, 2017**

STAFF-DR-01-002

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-01-001, Duke Energy Kentucky proposes a base fossil fuel cost F(b) of \$7,146,617.59. Please see Staff-DR-01-002 Attachment for a copy of the fuel cost schedule for October 2016, which shows the components of F(b) as defined by 807 KAR 5:056.

PERSON RESPONSIBLE: Theodore H. Czupik Jr.

**DUKE ENERGY KENTUCKY
FINAL FUEL COST SCHEDULE**

Expense Month: October 2016

| | | Dollars (\$) |
|--|--------|-------------------------------|
| A. Company Generation | | |
| Coal Burned | (+) \$ | 9,070,471.29 |
| Oil Burned | (+) | 40,236.00 |
| Gas Burned | (+) | 302,508.89 |
| PJM Balancing & Day Ahead Operating Reserve Credit | (-) | 322,300.70 |
| Fuel (assigned cost during Forced Outage ^(a)) | (+) | - |
| Fuel (substitute cost during Forced Outage ^(a)) | (-) | - |
| <u>Sub-Total</u> | | <u>\$ 9,090,915.48</u> |
| B. Purchases | | |
| Economy Purchases | (+) \$ | 20,193.63 |
| Other Purchases | (+) | - |
| Other Purchases (substitute for Forced Outage ^(a)) | (-) | - |
| <u>Less purchases above highest cost units</u> | (-) | <u>-</u> |
| <u>Sub-Total</u> | | <u>\$ 20,193.63</u> |
| C. Non-Native Sales Fuel Costs | | |
| | | \$ 1,964,491.52 |
| D. Total Fuel Costs (A + B - C) | | |
| | | <u>\$ 7,146,617.59</u> |

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

**Duke Energy Kentucky
Case No. 2017-00005
Staff First Set Data Requests
Date Received: February 6, 2017**

STAFF-DR-01-003

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).

RESPONSE:

As stated in response to STAFF-DR-01-001, the Duke Energy Kentucky proposes a base sales (b) of 299,818,002 kilowatt-hours. Please see STAFF-DR-01-003 Attachment for a copy of the Sales Schedule for October 2016, which shows the components of sales as defined by 807 KAR 5:056.

PERSON RESPONSIBLE: Theodore H. Czupik Jr.

**DUKE ENERGY KENTUCKY
SALES SCHEDULE**

Expense Month: October 2016

| | | <u>Kilowatt-Hours Current Month</u> |
|--|-----|--|
| A. Generation (Net) | (+) | 420,507,000 |
| <u>Purchases Including Interchange-In</u> | (+) | <u>370,260</u> |
| Sub-Total | | <u>420,877,260</u> |
| | | |
| B. Pumped Storage Energy | (+) | - |
| Non-Native Sales Including Interchange Out | (+) | 95,341,970 |
| <u>System Losses (325,535,290 KWH times 7.9% ^(a))</u> | (+) | <u>25,717,288</u> |
| Sub-Total | | <u>121,059,258</u> |
| | | |
| C. Total Sales (A - B) | | <u><u>299,818,002</u></u> |

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

**Duke Energy Kentucky
Case No. 2017-00005
Staff First Set Data Requests
Date Received: February 6, 2017**

STAFF-DR-01-004

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 | \$0.029117 |
| Proposed Base | <u>\$0.023837</u> |
| Decrease in Base Rates | \$0.005280 |

PERSON RESPONSIBLE: Theodore H. Czupik Jr.

**Duke Energy Kentucky
Case No. 2017-00005
Staff First Set Data Requests
Date Received: February 6, 2017**

**STAFF-DR-01-005 PUBLIC
(As to Attachment only)**

REQUEST:

Provide Duke Kentucky's most recent projected fuel requirements for the years 2017 and 2018 in tons for coal, MMBtu for natural gas, and dollars.

RESPONSE:

CONFIDENTIAL PROPRIETARY TRADE SECRET (As to Attachment only)

See STAFF-DR-01-005 Confidential Attachment. This document was submitted under seal with a Petition for Confidential Treatment.

PERSON RESPONSIBLE: Theodore H. Czupik Jr.

**CONFIDENTIAL PROPRIETARY TRADE
SECRET**

ATTACHMENT STAFF-DR-01-005

FILED UNDER SEAL

**Duke Energy Kentucky
Case No. 2017-00005
Staff First Set Data Requests
Date Received: February 6, 2017**

**STAFF-DR-01-006 PUBLIC
(As to Attachment only)**

REQUEST:

Provide Duke Kentucky's most recent sales projections for the years 2017 and 2018 in kWh and dollars.

RESPONSE:

CONFIDENTIAL PROPRIETARY TRADE SECRET (As to Attachment only)

See STAFF-DR-01-006 Confidential Attachment. This document was submitted under seal with a Petition for Confidential Treatment.

PERSON RESPONSIBLE: Theodore H. Czupik Jr.

**CONFIDENTIAL PROPRIETARY TRADE
SECRET**

ATTACHMENT STAFF-DR-01-006

FILED UNDER SEAL

**Duke Energy Kentucky
Case No. 2017-00005
Staff First Set Data Requests
Date Received: February 6, 2017**

STAFF-DR-01-007

REQUEST:

Provide separately the amounts of power purchases used in the calculation of sales provided in response to Item 3.

RESPONSE:

The attachment to STAFF-DR-01-003 shows power purchases of 370,260 kilowatt-hours, all from the PJM Interconnection, L.L.C.

PERSON RESPONSIBLE: Theodore H. Czupik Jr.

**Duke Energy Kentucky
Case No. 2017-00005
Staff First Set Data Requests
Date Received: February 6, 2017**

STAFF-DR-01-008

REQUEST:

Provide separately the amounts of intersystem power sales used in the calculation of sales provided in response to Item 3.

RESPONSE:

The attachment to STAFF-DR-01-003 shows power sales of 95,341,970 kilowatt-hours, all to the PJM Interconnection, L.L.C.

PERSON RESPONSIBLE: Theodore H. Czupik Jr.

Duke Energy Kentucky
Case No. 2017-00005
Staff First Set Data Requests
Date Received: February 6, 2017

STAFF-DR-01-009 PUBLIC

REQUEST:

Provide the planned maintenance schedule for each of Duke Kentucky's generating units for the years 2017 and 2018.

RESPONSE:

CONFIDENTIAL PROPRIETARY TRADE SECRET

2017

| STATION | FROM DATE | TO DATE | DAYS | WEEKS | COMMENTS |
|----------------|-----------|---------|------|-------|----------------------|
| East Bend 2 | ██████ | ██████ | █ | █ | ██████ |
| Woodsdale CT 1 | ██████ | ██████ | █ | █ | ████████████████████ |
| Woodsdale CT 2 | ██████ | ██████ | █ | █ | ████████████████████ |
| Woodsdale CT 3 | ██████ | ██████ | █ | █ | ████████████████████ |
| Woodsdale CT 4 | ██████ | ██████ | █ | █ | ████████████████████ |
| Woodsdale CT 5 | ██████ | ██████ | █ | █ | ████████████████████ |
| Woodsdale CT 6 | ██████ | ██████ | █ | █ | ████████████████████ |

2018

| STATION | FROMDATE | TODATE | DAYS | WEEKS | COMMENTS |
|----------------|----------|--------|------|-------|----------------------|
| East Bend 2 | ██████ | ██████ | █ | █ | ████████████████████ |
| Woodsdale CT 1 | ██████ | ██████ | █ | █ | ████████████████████ |
| Woodsdale CT 2 | ██████ | ██████ | █ | █ | ████████████████████ |
| Woodsdale CT 3 | ██████ | ██████ | █ | █ | ████████████████████ |
| Woodsdale CT 4 | ██████ | ██████ | █ | █ | ████████████████████ |
| Woodsdale CT 5 | ██████ | ██████ | █ | █ | ████████████████████ |
| Woodsdale CT 6 | ██████ | ██████ | █ | █ | ████████████████████ |

PERSON RESPONSIBLE: John Swez

REQUEST:

For the years ending October 31, 2015 and October 31, 2016, provide:

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

RESPONSE:

- a.
 - November 1, 2014 through October 31, 2015 – 803 MW
 - November 1, 2015 through October 31, 2016 – 855 MW
- b.
 - November 1, 2014 through October 31, 2015 – 491 MW
 - November 1, 2015 through October 31, 2016 – 503 MW

PERSON RESPONSIBLE: John Swez

**Duke Energy Kentucky
Case No. 2017-00005
Staff First Set Data Requests
Date Received: February 6, 2017**

STAFF-DR-01-011

REQUEST:

List all firm power commitments for Duke Kentucky from May 1, 2016, through October 31, 2016, and for the years 2017 and 2018 for (a) purchases and (b) sales. This list shall identify the other party (buyer or seller), the amount of commitment in MW, and the purpose of the commitment (e.g., peaking, emergency).

RESPONSE:

Duke Energy Kentucky has no firm power commitments during these periods.

PERSON RESPONSIBLE: John Swez

**Duke Energy Kentucky
Case No. 2017-00005
Staff First Set Data Requests
Date Received: February 6, 2017**

STAFF-DR-01-012

REQUEST:

Provide a monthly billing summary for all sales to all electric utilities for the period May 1, 2016 through October 31, 2016.

RESPONSE:

See STAFF-DR-01-012 Attachment.

PERSON RESPONSIBLE: Theodore H. Czupik Jr.

**DUKE ENERGY KENTUCKY
 POWER TRANSACTION SCHEDULE**

| Supplier/Buyer | | Transaction Type | kWh | Charges (\$) | | | |
|---------------------------------------|-------------|------------------|-------------------|--------------|------------------|-----------------|------------------|
| | | | | Demand | Fuel | Other | Total |
| Month Ended May 31, 2016 | | | | | | | |
| PJM Interconnection, LLC | | Econ Sales | 28,433,730 | 0 | 695,637 | (82,414) | 613,223 |
| | Total Sales | | <u>28,433,730</u> | <u>0</u> | <u>695,637</u> | <u>(82,414)</u> | <u>613,223</u> |
| Month Ended June 30, 2016 | | | | | | | |
| PJM Interconnection, LLC | | Econ Sales | 11,114,000 | | 259,525 | (42,626) | 216,899 |
| | Total Sales | | <u>11,114,000</u> | <u>0</u> | <u>259,525</u> | <u>(42,626)</u> | <u>216,899</u> |
| Month Ended July 31, 2016 | | | | | | | |
| PJM Interconnection, LLC | | Econ Sales | 10,102,410 | | 205,195 | 58,179 | 263,375 |
| | Total Sales | | <u>10,102,410</u> | <u>0</u> | <u>205,195</u> | <u>58,179</u> | <u>263,375</u> |
| Month Ended August 30, 2016 | | | | | | | |
| PJM Interconnection, LLC | | Econ Sales | 4,581,800 | | 116,258 | 83,620 | 199,879 |
| | Total Sales | | <u>4,581,800</u> | <u>0</u> | <u>116,258</u> | <u>83,620</u> | <u>199,879</u> |
| Month Ended September 30, 2016 | | | | | | | |
| PJM Interconnection, LLC | | Econ Sales | 27,249,420 | | 621,160 | 2,780 | 623,941 |
| | Total Sales | | <u>27,249,420</u> | <u>0</u> | <u>621,160</u> | <u>2,780</u> | <u>623,941</u> |
| Month Ended October 31, 2016 | | | | | | | |
| PJM Interconnection, LLC | | Econ Sales | 94,477,910 | | 1,964,492 | 594,158 | 2,558,649 |
| | Total Sales | | <u>94,477,910</u> | <u>0</u> | <u>1,964,492</u> | <u>594,158</u> | <u>2,558,649</u> |

Legend
 Econ Sales - Economy Sales

REQUEST:

- a. Provide a schedule of the calculation of the 12-month average line loss by month for November 2014 through October 2016.
- b. Describe the actions that Duke Kentucky has taken to reduce line loss during this period.

RESPONSE:

- a. See STAFF-DR-01-013 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 2014 through October 2016 that would be expected to have a loss reduction impact include the following:

Transmission System Improvements:

- There were no transmission system improvements during this time period that would be expected to have a loss reduction impact.

Distribution System Improvements:

- There were no capacity additions during the time period, but two new 12kV substation circuits were added. These circuits reduce loading and distance on adjacent circuits providing opportunity for reduced conductor impedance and improved customer reliability.

PERSON RESPONSIBLE: Theodore H. Czupik Jr./ John Swez

Duke Energy Kentucky
 12 Month Average Line Loss
 November 2014 - October 2016

| (1) | (2) | (3) | (4) | (5) | (6) |
|--------|---|---|------------------------|---------------------------------|--|
| Month | Total kWh Sources 12 Months Ended Current Month | Total kWh System Losses 12 Months Ended Current Month | 12 Months End % Losses | Total kWh Sources Current Month | Current Month Calculated System Losses (kWh) |
| | | | (3) / (2) | | (4) x (5) |
| Nov-14 | 4,373,259,942 | 321,585,563 | 7.353450% | 341,287,320 | 25,096,392 |
| Dec-14 | 4,368,416,052 | 305,486,759 | 6.993080% | 370,835,150 | 25,932,799 |
| Jan-15 | 4,333,302,010 | 300,055,910 | 6.924420% | 396,547,940 | 27,458,645 |
| Feb-15 | 4,347,653,100 | 299,065,208 | 6.878770% | 380,281,370 | 26,158,681 |
| Mar-15 | 4,339,969,240 | 280,469,603 | 6.462480% | 350,998,490 | 22,683,207 |
| Apr-15 | 4,334,460,370 | 280,635,707 | 6.474520% | 297,496,570 | 19,261,475 |
| May-15 | 4,336,108,910 | 267,120,518 | 6.160370% | 345,523,470 | 21,285,524 |
| Jun-15 | 4,317,682,060 | 245,394,471 | 5.683480% | 374,127,010 | 21,263,434 |
| Jul-15 | 4,333,164,130 | 249,986,644 | 5.769150% | 401,963,500 | 23,189,877 |
| Aug-15 | 4,304,638,610 | 205,359,653 | 4.770660% | 385,066,380 | 18,370,208 |
| Sep-15 | 4,308,130,790 | 197,458,644 | 4.583390% | 349,625,940 | 16,024,720 |
| Oct-15 | 4,295,956,390 | 195,835,029 | 4.558590% | 302,203,250 | 13,776,207 |
| Nov-15 | 4,266,111,460 | 191,255,668 | 4.483140% | 311,442,390 | 13,962,398 |
| Dec-15 | 4,238,180,150 | 204,153,870 | 4.817020% | 342,903,840 | 16,517,747 |
| Jan-16 | 4,238,470,900 | 218,064,883 | 5.144900% | 396,838,690 | 20,416,954 |
| Feb-16 | 4,212,621,720 | 219,304,235 | 5.205880% | 354,432,190 | 18,451,314 |
| Mar-16 | 4,195,716,600 | 224,055,212 | 5.340090% | 334,093,370 | 17,840,887 |
| Apr-16 | 4,217,007,850 | 240,693,869 | 5.707690% | 318,787,820 | 18,195,421 |
| May-16 | 4,206,269,320 | 252,040,086 | 5.992010% | 334,784,940 | 20,060,347 |
| Jun-16 | 4,236,250,080 | 288,405,554 | 6.808040% | 404,107,770 | 27,511,819 |
| Jul-16 | 4,274,888,710 | 304,062,010 | 7.112750% | 440,602,130 | 31,338,928 |
| Aug-16 | 4,352,067,800 | 337,596,647 | 7.757160% | 462,245,470 | 35,857,121 |
| Sep-16 | 4,391,083,460 | 342,608,676 | 7.802370% | 388,641,600 | 30,323,256 |
| Oct-16 | 4,415,746,460 | 360,738,732 | 8.169370% | 326,866,250 | 26,702,913 |

Duke Energy Kentucky
Case No. 2017-00005
Staff First Set Data Requests
Date Received: February 6, 2017

STAFF-DR-01-014

REQUEST:

List Duke Kentucky's scheduled, actual, and forced outages between May 1, 2016, and October 31, 2016.

RESPONSE:

Please see Attachment Staff-DR-01-014

PERSON RESPONSIBLE: John Swez

| UnitName | Event Type | Month | Scheduled Hours | Forced Hours | Actual Hours | Event Start | Event End | Event Description |
|---------------|------------|--------|-----------------|--------------|--------------|----------------|----------------|---|
| East Bend 2 | PE | Apr-16 | 149.85 | | 149.85 | 4/30/16 23:59 | 5/7/16 5:51 | Second Superheat header crack repairs |
| East Bend 2 | MO | May-16 | 22.57 | | 22.57 | 5/15/16 1:13 | 5/15/16 23:47 | Switchyard tie breaker repair |
| East Bend 2 | MO | Jun-16 | 62.92 | | 62.92 | 6/22/16 22:23 | 6/25/16 13:18 | Intercept valve leaking resulted in stuck RH Stop Valve |
| East Bend 2 | MO | Jul-16 | 31.88 | | 31.88 | 7/2/16 5:59 | 7/3/16 13:52 | Condenser tube leak |
| East Bend 2 | U1 | May-16 | | 121.42 | | 5/23/16 23:36 | 5/29/16 1:01 | Vertical RH Tube leak |
| Woodsdale CT1 | PO | Apr-16 | 305.07 | | 305.07 | 4/30/16 6:00 | 5/13/16 17:04 | Boroscope and Fire Protection Upgrade |
| Woodsdale CT1 | SF | May-16 | | 3.22 | | 5/27/16 17:15 | 5/27/16 20:28 | No Excitation |
| Woodsdale CT1 | MO | Oct-16 | 11.25 | | 11.25 | 10/19/16 6:20 | 10/19/16 17:35 | Fire protection annual inspection |
| Woodsdale CT1 | SF | Oct-16 | | 0.60 | | 10/21/16 13:53 | 10/21/16 14:29 | Gas Control Valve would not close |
| Woodsdale CT1 | U1 | Aug-16 | | 19.67 | | 8/15/16 14:00 | 8/16/16 9:40 | Lightning Strike on transformer |
| Woodsdale CT1 | MO | Aug-16 | 5.97 | | 5.97 | 8/18/16 6:01 | 8/18/16 11:59 | Install new transformer after lightning strike. |
| Woodsdale CT2 | PO | May-16 | 368.07 | | 368.07 | 5/1/16 6:00 | 5/16/16 14:04 | Boroscope and Fire Protection Upgrade |
| Woodsdale CT2 | MO | Oct-16 | 11.25 | | 11.25 | 10/19/16 6:20 | 10/19/16 17:35 | Fire protection annual inspection |
| Woodsdale CT2 | MO | Aug-16 | 5.97 | | 5.97 | 8/18/16 6:01 | 8/18/16 11:59 | Install new transformer after lightning strike. |
| Woodsdale CT2 | U1 | Aug-16 | | 19.67 | | 8/15/16 14:00 | 8/16/16 9:40 | Lightning Strike on transformer |
| Woodsdale CT2 | U1 | May-16 | | 112.97 | | 5/27/16 21:00 | 6/1/16 13:58 | 86 Relay tripped; investigating |
| Woodsdale CT3 | PO | May-16 | 294.37 | | 294.37 | 5/7/16 7:00 | 5/19/16 13:22 | Boroscope and Fire Protection Upgrade |
| Woodsdale CT3 | MO | May-16 | 11.00 | | 11.00 | 5/24/16 7:00 | 5/24/16 18:00 | Replaced heat detector on generator breaker |
| Woodsdale CT3 | MO | Oct-16 | 9.50 | | 9.50 | 10/24/16 6:30 | 10/24/16 16:00 | Fire protection annual inspection |
| Woodsdale CT3 | MO | Sep-16 | 70.88 | | 70.88 | 9/20/16 19:00 | 9/23/16 17:53 | CB1502 maint and relay testing |
| Woodsdale CT3 | MO | Aug-16 | 5.97 | | 5.97 | 8/18/16 6:01 | 8/18/16 11:59 | Install new transformer after lightning strike. |
| Woodsdale CT3 | U1 | Aug-16 | | 19.67 | | 8/15/16 14:00 | 8/16/16 9:40 | Lightning Strike on transformer |
| Woodsdale CT3 | MO | Jun-16 | 7.00 | | 7.00 | 6/2/16 6:00 | 6/2/16 13:00 | Required Software Changes |
| Woodsdale CT4 | PO | May-16 | 127.50 | 127.50 | 127.50 | 5/22/16 7:00 | 5/27/16 14:30 | Boroscope and Fire Protection Upgrade |
| Woodsdale CT4 | U1 | May-16 | 1.25 | 1.25 | 1.25 | 5/31/16 15:45 | 5/31/16 17:00 | Natural Gas Valve failed to respond |
| Woodsdale CT4 | SF | Oct-16 | 1.72 | 1.72 | 1.72 | 10/19/16 9:13 | 10/19/16 10:56 | Failed to Light Off (found and repaired loose fittings) |
| Woodsdale CT4 | MO | Oct-16 | 9.50 | 9.50 | 9.50 | 10/24/16 6:30 | 10/24/16 16:00 | Fire protection annual inspection |
| Woodsdale CT4 | U1 | Sep-16 | 19.12 | 19.12 | 19.12 | 9/18/16 12:10 | 9/19/16 7:17 | CO2 fire protection system discharged (not due to fire) |
| Woodsdale CT4 | MO | Sep-16 | 106.60 | 106.60 | 106.60 | 9/19/16 7:17 | 9/23/16 17:53 | CB1502 maint and relay testing |
| Woodsdale CT4 | U1 | Aug-16 | 19.67 | 19.67 | 19.67 | 8/15/16 14:00 | 8/16/16 9:40 | Lightning Strike on transformer |
| Woodsdale CT4 | MO | Aug-16 | 5.97 | 5.97 | 5.97 | 8/18/16 6:01 | 8/18/16 11:59 | Install new transformer after lightning strike. |
| Woodsdale CT4 | SF | Jul-16 | 1.78 | 1.78 | 1.78 | 7/13/16 12:51 | 7/13/16 14:38 | Starting Breaker failure |
| Woodsdale CT5 | PO | May-16 | 148.67 | 148.67 | 148.67 | 5/14/16 6:00 | 5/20/16 10:40 | Boroscope and Fire Protection Upgrade |
| Woodsdale CT5 | MO | Oct-16 | 10.67 | 10.67 | 10.67 | 10/25/16 6:20 | 10/25/16 17:00 | Fire protection annual inspection |
| Woodsdale CT5 | SF | Sep-16 | 1.65 | 1.65 | 1.65 | 9/7/16 15:17 | 9/7/16 16:56 | Brush Lift-Off Device would not lower. |
| Woodsdale CT5 | MO | Sep-16 | 103.17 | 103.17 | 103.17 | 9/26/16 6:00 | 9/30/16 13:10 | Bank outage for maint. |
| Woodsdale CT5 | U1 | Aug-16 | 19.67 | 19.67 | 19.67 | 8/15/16 14:00 | 8/16/16 9:40 | Lightning Strike on transformer |
| Woodsdale CT5 | MO | Aug-16 | 5.97 | 5.97 | 5.97 | 8/18/16 6:01 | 8/18/16 11:59 | Install new transformer after lightning strike. |
| Woodsdale CT6 | PO | May-16 | 152.12 | 152.12 | 152.12 | 5/14/16 6:00 | 5/20/16 14:07 | Boroscope and Fire Protection Upgrade |
| Woodsdale CT6 | MO | Oct-16 | 10.67 | 10.67 | 10.67 | 10/25/16 6:20 | 10/25/16 17:00 | Fire protection annual inspection |
| Woodsdale CT6 | MO | Sep-16 | 103.17 | 103.17 | 103.17 | 9/26/16 6:00 | 9/30/16 13:10 | Bank outage for maint. |
| Woodsdale CT6 | U1 | Aug-16 | 19.67 | 19.67 | 19.67 | 8/15/16 14:00 | 8/16/16 9:40 | Lightning Strike on transformer |
| Woodsdale CT6 | MO | Aug-16 | 5.97 | 5.97 | 5.97 | 8/18/16 6:01 | 8/18/16 11:59 | Install new transformer after lightning strike. |
| Woodsdale CT6 | U1 | Jul-16 | 20.37 | 20.37 | 20.37 | 7/19/16 17:40 | 7/20/16 14:02 | Gas Control Vent clogged, caused high gas detection |

**Duke Energy Kentucky
Case No. 2017-00005
Staff First Set Data Requests
Date Received: February 6, 2017**

STAFF-DR-01-015

REQUEST:

For each existing fuel contract categorized as long-term (i.e., one year or more in length), provide:

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

RESPONSE:

For the prior review periods from 11/1/2014 through 4/30/206, please reference Duke Energy Kentucky Case Nos. 2015-00236, 2016-00005 and 2016-00234. For the most current six months of this review period from May 1, 2016 through October 31, 2016,

below are the existing fuel contracts categorized as long-term (*i.e.*, one year or more in length):

Coal

- a. **Alliance Tunnel Ridge (30892)**
1717 South Boulder Ave., Suite 400
Tulsa, OK 74119
- b. Tunnel Ridge, WV
- c. January 8, 2016
- d. January 1, 2016 through December 31, 2017
- e. N/A
- f. 2016 = 100,000; 2017 = 400,000
- g. 2016 YTD = 87,759
- h. 2016 YTD = 105.3%
- i. 2016 = \$40.00; 2017 = \$41.50
- j. None
- k. 2016 = \$40.00; 2017 = \$41.50

- a. **Alpha/Contura Coal Sales Co., LLC (30810)**
One Alpha Place
Bristol, VA 24202
- b. Cumberland, PA
- c. January 8, 2016
- d. January 1, 2016 through December 31, 2017
- e. N/A
- f. 2016 = 250,000; 2017=350,000

- g. 2016 YTD = 175,460
- h. 2016 YTD = 84.2%
- i. 2016 = \$40.50; 2017= \$42.50
- j. None.
- k. 2016 = \$40.50; 2017=\$42.50

- a. **Armstrong Energy Inc. (30883)**
7733 Forsyth Boulevard, Suite 1625
St. Louis, MO 63105
- b. Centertown, KY
- c. December 28, 2015
- d. January 1, 2016 through December 31, 2017
- e. N/A
- f. 2016 = 200,000; 2017=300,000
- g. 2016 YTD = 130,248
- h. 2016 YTD = 78.1%
- ii. 2016 = \$38.00; 2017=\$40.00
- j. None
- k. 2016 = \$38.00;2017=\$40.00

- a. **Consol Pennsylvania Coal CO., LLC (30827)**
1000 Consol Energy Drive
Canonsburg, PA 15317
- b. Bailey, PA
- c. December 11, 2015

- d. January 1, 2016 through December 31, 2016
- e. January 6, 2017
- f. 2016 = 400,000
- g. 2016 YTD = 297,776
- h. 2016 YTD = 89.3 %
- iii. 2016 = \$41.50; 2017=\$41.50
- j. None
- k. 2016 = \$41.50; 2017=\$41.50

a. **Foresight Coal Sales, LLC (30291)**
46226 National Rd
St. Clairsville, OH 43950

- b. Deer Run Mine, IL
- c. June 4, 2015
- d. January 1, 2016 through December 31, 2016
- e. January 6, 2017
- f. 2016 = 150,000
- g. 2016 YTD = 102,582
- h. 2016 YTD = 82.1%
- iv. 2016 = \$40.50; 2017=\$40.50
- j. None
- k. 2016 = \$40.50; 2017=\$40.50

- a. **Alliance River View (30245)**
1717 South Boulder Ave., Suite 400
Tulsa, OK 74119
- b. Sebree, KY
- c. January 1, 2015
- d. January 1, 2016 through December 31, 2016
- e. January 6, 2017
- f. 2016 = 600,000
- g. 2016 YTD = 488,005
- h. 2016 YTD = 97.6%
- i. 2016 = \$47.50; 2017=\$47.50
- j. None
- k. 2016 = \$47.50; 2017=\$47.50

Natural Gas

To date, Duke Energy Kentucky does not have any fuel contracts categorized as long-term for natural gas.

PERSON RESPONSIBLE: Brett Phipps

**Duke Energy Kentucky
Case No. 2017-00005
Staff First Set Data Requests
Date Received: February 6, 2017**

STAFF-DR-01-016

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:

See STAFF-DR-01-016 Attachment.

PERSON RESPONSIBLE: Theodore H. Czupik Jr.

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 | Component | Including Fuel | |
| | | | | Base Fuel | of Base Rates | | |
| 30 | RS | 0.080736 | 0.029117 | 0.051619 | 0.023837 | 0.075456 | |
| 40 | DS | | | | | | |
| | First 6000 kWh | 0.086925 | 0.029117 | 0.057808 | 0.023837 | 0.081645 | |
| | Next 300 kWh/kW | 0.055399 | 0.029117 | 0.026282 | 0.023837 | 0.050119 | |
| | Add'l kWh | 0.046323 | 0.029117 | 0.017206 | 0.023837 | 0.041043 | |
| 41 | DT | | | | | | |
| | Summer On Peak | 0.049475 | 0.029117 | 0.020358 | 0.023837 | 0.044195 | |
| | Winter On Peak | 0.047475 | 0.029117 | 0.018358 | 0.023837 | 0.042195 | |
| | Off Peak | 0.041475 | 0.029117 | 0.012358 | 0.023837 | 0.036195 | |
| | DT-Low Load Factor | | | | | | |
| | Summer On Peak | 0.052137 | 0.029117 | 0.023020 | 0.023837 | 0.046857 | |
| | Winter On Peak | 0.050137 | 0.029117 | 0.021020 | 0.023837 | 0.044857 | |
| | Off Peak | 0.044137 | 0.029117 | 0.015020 | 0.023837 | 0.038857 | |
| 42 | EH | 0.066804 | 0.029117 | 0.037687 | 0.023837 | 0.061524 | |
| 43 | SP | 0.105878 | 0.029117 | 0.076761 | 0.023837 | 0.100598 | |
| 44 | GS-FL | | | | | | |
| | 540 to 720 hrs. | 0.086003 | 0.029117 | 0.056886 | 0.023837 | 0.080723 | |
| | < 540 hrs. | 0.098227 | 0.029117 | 0.069110 | 0.023837 | 0.092947 | |
| 45 | DP | | | | | | |
| | First 300 kWh | 0.056348 | 0.029117 | 0.027231 | 0.023837 | 0.051068 | |
| | Add'l kWh | 0.048478 | 0.029117 | 0.019361 | 0.023837 | 0.043198 | |
| 51 | TT | 0.047928 | 0.029117 | 0.018811 | 0.023837 | 0.042648 | |
| 60 | SL | | 0.029117 | | 0.023837 | 0.023837 | |
| 61 | TL | | | | | | |
| | Energy Only | 0.043346 | 0.029117 | 0.014229 | 0.023837 | 0.038066 | |
| | w/Maintenance | 0.064425 | 0.029117 | 0.035308 | 0.023837 | 0.059145 | |
| 62 | UOLS | 0.042761 | 0.029117 | 0.013644 | 0.023837 | 0.037481 | |
| 65 | OL | | 0.029117 | | 0.023837 | 0.023837 | |
| 66 | NSU | | 0.029117 | | 0.023837 | 0.023837 | |
| 67 | NSP | | 0.029117 | | 0.023837 | 0.023837 | |
| 68 | SC | Energy Only | 0.042761 | 0.029117 | 0.013644 | 0.023837 | 0.037481 |
| 69 | SE | | 0.029117 | | 0.023837 | 0.023837 | |
| 80 | Rider FAC | | 0.029117 | | 0.023837 | 0.023837 | |

DUKE ENERGY KENTUCKY

| Sheet | | | | | Current | Proposed | Diff. in | | | Increase | Current | New |
|-------|-----|---------------|--------|-----------------|-----------|-----------|-----------|------------|---------|-----------------|-----------|-----------|
| No. | Loc | Fixture | Lumens | Description | Base Fuel | Base Fuel | Base Fuel | Annual kWh | Per Mo. | Change per Mth. | Rate/Unit | Rate/Unit |
| 60 | OH | Standard MV | 7000 | | 0.029117 | 0.023837 | -0.005280 | 803 | 66.92 | -0.3533 | 7.46 | 7.11 |
| 60 | OH | Standard MV | 7000 | Open Refractor | 0.029117 | 0.023837 | -0.005280 | 853 | 71.08 | -0.3753 | 6.32 | 5.94 |
| 60 | OH | Standard MV | 10000 | | 0.029117 | 0.023837 | -0.005280 | 1144 | 95.33 | -0.5034 | 8.72 | 8.21 |
| 60 | OH | Standard MV | 21000 | | 0.029117 | 0.023837 | -0.005280 | 1789 | 149.08 | -0.7872 | 11.78 | 10.99 |
| 60 | OH | Standard MH | 14000 | | 0.029117 | 0.023837 | -0.005280 | 803 | 66.92 | -0.3533 | 7.46 | 7.11 |
| 60 | OH | Standard MH | 20500 | | 0.029117 | 0.023837 | -0.005280 | 1144 | 95.33 | -0.5034 | 8.72 | 8.21 |
| 60 | OH | Standard MH | 36000 | | 0.029117 | 0.023837 | -0.005280 | 1789 | 149.08 | -0.7872 | 11.78 | 10.99 |
| 60 | OH | Standard SV | 9500 | | 0.029117 | 0.023837 | -0.005280 | 487 | 40.58 | -0.2143 | 8.08 | 7.87 |
| 60 | OH | Standard SV | 9500 | Open Refractor | 0.029117 | 0.023837 | -0.005280 | 487 | 40.58 | -0.2143 | 6.12 | 5.91 |
| 60 | OH | Standard SV | 16000 | | 0.029117 | 0.023837 | -0.005280 | 711 | 59.25 | -0.3128 | 8.89 | 8.58 |
| 60 | OH | Standard SV | 22000 | | 0.029117 | 0.023837 | -0.005280 | 948 | 79.00 | -0.4171 | 11.54 | 11.13 |
| 60 | OH | Standard SV | 27500 | | 0.029117 | 0.023837 | -0.005280 | 948 | 79.00 | -0.4171 | 11.54 | 11.13 |
| 60 | OH | Standard SV | 50000 | | 0.029117 | 0.023837 | -0.005280 | 1959 | 163.25 | -0.8620 | 15.81 | 14.95 |
| 60 | OH | Decorative SV | 9500 | Rectilinear | 0.029117 | 0.023837 | -0.005280 | 487 | 40.58 | -0.2143 | 9.99 | 9.78 |
| 60 | OH | Decorative SV | 22000 | Rectilinear | 0.029117 | 0.023837 | -0.005280 | 1023 | 85.25 | -0.4501 | 12.54 | 12.09 |
| 60 | OH | Decorative SV | 50000 | Rectilinear | 0.029117 | 0.023837 | -0.005280 | 1959 | 163.25 | -0.8620 | 16.86 | 16.00 |
| 60 | OH | Decorative SV | 50000 | Setback | 0.029117 | 0.023837 | -0.005280 | 1959 | 163.25 | -0.8620 | 24.65 | 23.79 |
| 60 | UG | Standard MV | 7000 | | 0.029117 | 0.023837 | -0.005280 | 874 | 72.83 | -0.3846 | 7.62 | 7.24 |
| 60 | UG | Standard MV | 7000 | Open Refractor | 0.029117 | 0.023837 | -0.005280 | 853 | 71.08 | -0.3753 | 6.32 | 5.94 |
| 60 | UG | Standard MV | 10000 | | 0.029117 | 0.023837 | -0.005280 | 1215 | 101.25 | -0.5346 | 8.89 | 8.36 |
| 60 | UG | Standard MV | 21000 | | 0.029117 | 0.023837 | -0.005280 | 1914 | 159.50 | -0.8422 | 12.09 | 11.25 |
| 60 | UG | Standard MH | 14000 | | 0.029117 | 0.023837 | -0.005280 | 874 | 72.83 | -0.3846 | 7.62 | 7.24 |
| 60 | UG | Standard MH | 20500 | | 0.029117 | 0.023837 | -0.005280 | 1215 | 101.25 | -0.5346 | 8.89 | 8.36 |
| 60 | UG | Standard MH | 36000 | | 0.029117 | 0.023837 | -0.005280 | 1914 | 159.50 | -0.8422 | 12.09 | 11.25 |
| 60 | UG | Standard SV | 9500 | | 0.029117 | 0.023837 | -0.005280 | 487 | 40.58 | -0.2143 | 8.08 | 7.87 |
| 60 | UG | Standard SV | 9500 | Open Refractor | 0.029117 | 0.023837 | -0.005280 | 487 | 40.58 | -0.2143 | 6.20 | 5.99 |
| 60 | UG | Standard SV | 16000 | | 0.029117 | 0.023837 | -0.005280 | 711 | 59.25 | -0.3128 | 8.86 | 8.55 |
| 60 | UG | Standard SV | 22000 | | 0.029117 | 0.023837 | -0.005280 | 948 | 79.00 | -0.4171 | 11.54 | 11.13 |
| 60 | UG | Standard SV | 50000 | | 0.029117 | 0.023837 | -0.005280 | 1959 | 163.25 | -0.8620 | 15.81 | 14.95 |
| 60 | UG | Decorative MV | 7000 | Town & Country | 0.029117 | 0.023837 | -0.005280 | 853 | 71.08 | -0.3753 | 7.86 | 7.48 |
| 60 | UG | Decorative MV | 7000 | Holophane | 0.029117 | 0.023837 | -0.005280 | 874 | 72.83 | -0.3846 | 9.78 | 9.40 |
| 60 | UG | Decorative MV | 7000 | Gas Replica | 0.029117 | 0.023837 | -0.005280 | 874 | 72.83 | -0.3846 | 21.86 | 21.48 |
| 60 | UG | Decorative MV | 7000 | Granville | 0.029117 | 0.023837 | -0.005280 | 853 | 71.08 | -0.3753 | 7.94 | 7.56 |
| 60 | UG | Decorative MV | 7000 | Aspen | 0.029117 | 0.023837 | -0.005280 | 874 | 72.83 | -0.3846 | 13.99 | 13.61 |
| 60 | UG | Decorative MH | 14000 | Traditionaire | 0.029117 | 0.023837 | -0.005280 | 853 | 71.08 | -0.3753 | 7.86 | 7.48 |
| 60 | UG | Decorative MH | 14000 | Granville Acorn | 0.029117 | 0.023837 | -0.005280 | 874 | 72.83 | -0.3846 | 13.99 | 13.61 |
| 60 | UG | Decorative MH | 14000 | Gas Replica | 0.029117 | 0.023837 | -0.005280 | 874 | 72.83 | -0.3846 | 21.95 | 21.57 |
| 60 | UG | Decorative SV | 9500 | Town & Country | 0.029117 | 0.023837 | -0.005280 | 487 | 40.58 | -0.2143 | 11.14 | 10.93 |
| 60 | UG | Decorative SV | 9500 | Holophane | 0.029117 | 0.023837 | -0.005280 | 532 | 44.33 | -0.2341 | 12.07 | 11.84 |
| 60 | UG | Decorative SV | 9500 | Rectilinear | 0.029117 | 0.023837 | -0.005280 | 487 | 40.58 | -0.2143 | 9.04 | 8.83 |
| 60 | UG | Decorative SV | 9500 | Gas Replica | 0.029117 | 0.023837 | -0.005280 | 532 | 44.33 | -0.2341 | 22.49 | 22.26 |
| 60 | UG | Decorative SV | 9500 | Aspen | 0.029117 | 0.023837 | -0.005280 | 532 | 44.33 | -0.2341 | 14.02 | 13.79 |
| 60 | UG | Decorative SV | 9500 | Traditionaire | 0.029117 | 0.023837 | -0.005280 | 487 | 40.58 | -0.2143 | 11.14 | 10.93 |
| 60 | UG | Decorative SV | 9500 | Granville Acorn | 0.029117 | 0.023837 | -0.005280 | 532 | 44.33 | -0.2341 | 14.02 | 13.79 |
| 60 | UG | Decorative SV | 22000 | Rectilinear | 0.029117 | 0.023837 | -0.005280 | 1023 | 85.25 | -0.4501 | 12.60 | 12.15 |
| 60 | UG | Decorative SV | 50000 | Rectilinear | 0.029117 | 0.023837 | -0.005280 | 1959 | 163.25 | -0.8620 | 16.92 | 16.06 |
| 60 | UG | Decorative SV | 50000 | Setback | 0.029117 | 0.023837 | -0.005280 | 1959 | 163.25 | -0.8620 | 24.65 | 23.79 |

DUKE ENERGY KENTUCKY

| Sheet | No. | Loc | Fixture | Lumens | Description | Current Base Fuel | Proposed Base Fuel | Diff. in Base Fuel | Annual kWh | Per Mo. | Increase Change per Mth. | Current Rate/Unit | New Rate/Unit |
|-------|-----|-----|---------------|--------|-----------------|----------------------|-----------------------|-----------------------|------------|---------|-----------------------------|----------------------|------------------|
| | 65 | OH | Standard MV | 7000 | Open Refractor | 0.029117 | 0.023837 | -0.005280 | 853 | 71.08 | -0.3753 | 9.11 | 8.73 |
| | 65 | OH | Standard MV | 7000 | | 0.029117 | 0.023837 | -0.005280 | 874 | 72.83 | -0.3846 | 11.55 | 11.17 |
| | 65 | OH | Standard MV | 10000 | | 0.029117 | 0.023837 | -0.005280 | 1215 | 101.25 | -0.5346 | 13.57 | 13.04 |
| | 65 | OH | Standard MV | 21000 | | 0.029117 | 0.023837 | -0.005280 | 1914 | 159.50 | -0.8422 | 17.59 | 16.75 |
| | 65 | OH | Standard MH | 14000 | | 0.029117 | 0.023837 | -0.005280 | 874 | 72.83 | -0.3846 | 11.55 | 11.17 |
| | 65 | OH | Standard MH | 20500 | | 0.029117 | 0.023837 | -0.005280 | 1215 | 101.25 | -0.5346 | 13.59 | 13.06 |
| | 65 | OH | Standard MH | 36000 | | 0.029117 | 0.023837 | -0.005280 | 1914 | 159.50 | -0.8422 | 17.59 | 16.75 |
| | 65 | OH | Standard SV | 9500 | Open Refractor | 0.029117 | 0.023837 | -0.005280 | 487 | 40.58 | -0.2143 | 7.89 | 7.68 |
| | 65 | OH | Standard SV | 9500 | | 0.029117 | 0.023837 | -0.005280 | 487 | 40.58 | -0.2143 | 10.20 | 9.99 |
| | 65 | OH | Standard SV | 16000 | | 0.029117 | 0.023837 | -0.005280 | 711 | 59.25 | -0.3128 | 11.58 | 11.27 |
| | 65 | OH | Standard SV | 22000 | | 0.029117 | 0.023837 | -0.005280 | 948 | 79.00 | -0.4171 | 12.88 | 12.47 |
| | 65 | OH | Standard SV | 27500 | | 0.029117 | 0.023837 | -0.005280 | 948 | 79.00 | -0.4171 | 12.88 | 12.47 |
| | 65 | OH | Standard SV | 50000 | | 0.029117 | 0.023837 | -0.005280 | 1959 | 163.25 | -0.8620 | 15.39 | 14.53 |
| | 65 | OH | Decorative MV | 7000 | Town & Country | 0.029117 | 0.023837 | -0.005280 | 853 | 71.08 | -0.3753 | 13.76 | 13.38 |
| | 65 | OH | Decorative MV | 7000 | Holophane | 0.029117 | 0.023837 | -0.005280 | 874 | 72.83 | -0.3846 | 17.62 | 17.24 |
| | 65 | OH | Decorative MV | 7000 | Gas Replica | 0.029117 | 0.023837 | -0.005280 | 874 | 72.83 | -0.3846 | 42.04 | 41.66 |
| | 65 | OH | Decorative MV | 7000 | Aspen | 0.029117 | 0.023837 | -0.005280 | 874 | 72.83 | -0.3846 | 26.15 | 25.77 |
| | 65 | OH | Decorative SV | 9500 | Town & Country | 0.029117 | 0.023837 | -0.005280 | 487 | 40.58 | -0.2143 | 21.31 | 21.10 |
| | 65 | OH | Decorative SV | 9500 | Holophane | 0.029117 | 0.023837 | -0.005280 | 532 | 44.33 | -0.2341 | 23.09 | 22.86 |
| | 65 | OH | Decorative SV | 9500 | Rectiliner | 0.029117 | 0.023837 | -0.005280 | 487 | 40.58 | -0.2143 | 19.00 | 18.79 |
| | 65 | OH | Decorative SV | 9500 | Gas Replica | 0.029117 | 0.023837 | -0.005280 | 532 | 44.33 | -0.2341 | 44.17 | 43.94 |
| | 65 | OH | Decorative SV | 9500 | Aspen | 0.029117 | 0.023837 | -0.005280 | 532 | 44.33 | -0.2341 | 26.86 | 26.63 |
| | 65 | OH | Decorative SV | 9500 | Traditionaire | 0.029117 | 0.023837 | -0.005280 | 487 | 40.58 | -0.2143 | 21.31 | 21.10 |
| | 65 | OH | Decorative SV | 9500 | Granville Acorn | 0.029117 | 0.023837 | -0.005280 | 532 | 44.33 | -0.2341 | 26.86 | 26.63 |
| | 65 | OH | Decorative SV | 22000 | Rectiliner | 0.029117 | 0.023837 | -0.005280 | 1023 | 85.25 | -0.4501 | 22.82 | 22.37 |
| | 65 | OH | Decorative SV | 50000 | Rectiliner | 0.029117 | 0.023837 | -0.005280 | 1959 | 163.25 | -0.8620 | 29.24 | 28.38 |
| | 65 | OH | Decorative SV | 50000 | Setback | 0.029117 | 0.023837 | -0.005280 | 1959 | 163.25 | -0.8620 | 45.01 | 44.15 |
| | 65 | FL | Standard MV | 21000 | | 0.029117 | 0.023837 | -0.005280 | 1914 | 159.50 | -0.8422 | 17.60 | 16.76 |
| | 65 | FL | Standard MH | 20500 | | 0.029117 | 0.023837 | -0.005280 | 1215 | 101.25 | -0.5346 | 13.57 | 13.04 |
| | 65 | FL | Standard MH | 36000 | | 0.029117 | 0.023837 | -0.005280 | 1914 | 159.50 | -0.8422 | 17.60 | 16.76 |
| | 65 | FL | Standard SV | 22000 | | 0.029117 | 0.023837 | -0.005280 | 1023 | 85.25 | -0.4501 | 12.83 | 12.38 |
| | 65 | FL | Standard SV | 30000 | | 0.029117 | 0.023837 | -0.005280 | 1023 | 85.25 | -0.4501 | 12.83 | 12.38 |
| | 65 | FL | Standard SV | 50000 | | 0.029117 | 0.023837 | -0.005280 | 1997 | 166.42 | -0.8787 | 16.23 | 15.35 |

DUKE ENERGY KENTUCKY

| Sheet | | | | | Current | Proposed | Diff. in | | | Increase | Current | New |
|-------|-------|-----|--------|---------------------------------|-----------|-----------|-----------|------------|---------|-----------------|-----------|-----------|
| No. | Owner | LOC | Lumens | Description | Base Fuel | Base Fuel | Base Fuel | Annual kWh | Per Mo. | Change per Mth. | Rate/Unit | Rate/Unit |
| 66 | Comp | UG | 2500 | Boulevard Incandescent Series | 0.029117 | 0.023837 | -0.005280 | 616 | 51.33 | -0.2710 | 9.49 | 9.22 |
| 66 | Comp | UG | 2500 | Boulevard Incandescent Multiple | 0.029117 | 0.023837 | -0.005280 | 786 | 65.50 | -0.3458 | 7.51 | 7.16 |
| 66 | Comp | OH | 10000 | Mercury Vapor | 0.029117 | 0.023837 | -0.005280 | 1215 | 101.25 | -0.5346 | 17.32 | 16.79 |
| 66 | Comp | OH | 2500 | Incandescent | 0.029117 | 0.023837 | -0.005280 | 786 | 65.50 | -0.3458 | 7.45 | 7.10 |
| 66 | Comp | OH | 2500 | Mercury Vapor | 0.029117 | 0.023837 | -0.005280 | 453 | 37.75 | -0.1993 | 6.91 | 6.72 |
| 66 | Cust | OH | 21000 | Mercury Vapor | 0.029117 | 0.023837 | -0.005280 | 1914 | 159.50 | -0.8422 | 11.50 | 10.66 |
| 66 | Cust | UG | 2500 | Incandescent Series | 0.029117 | 0.023837 | -0.005280 | 616 | 51.33 | -0.2710 | 5.71 | 5.44 |
| 66 | Cust | UG | 2500 | Incandescent Multiple | 0.029117 | 0.023837 | -0.005280 | 786 | 65.50 | -0.3458 | 7.27 | 6.92 |

DUKE ENERGY KENTUCKY

| Sheet | | | Current | Proposed | Diff. in | | | Increase | Current | New |
|-------|--------|----------------------------|-----------|-----------|-----------|------------|---------|-----------------|-----------|-----------|
| No. | Lumens | Description | Base Fuel | Base Fuel | Base Fuel | Annual kWh | Per Mo. | Change per Mth. | Rate/Unit | Rate/Unit |
| 67 | 2500 | Mercury Open Refractor | 0.029117 | 0.023837 | -0.005280 | 478 | 39.83 | -0.2103 | 8.01 | 7.79 |
| 67 | 2500 | Mercury Enclosed Refractor | 0.029117 | 0.023837 | -0.005280 | 478 | 39.83 | -0.2103 | 10.88 | 10.66 |
| 67 | 7000 | Mercury 17 Fibergalss pole | 0.029117 | 0.023837 | -0.005280 | 853 | 71.08 | -0.3753 | 14.92 | 14.54 |
| 67 | 7000 | Mercury 17 Wood Lam pole | 0.029117 | 0.023837 | -0.005280 | 853 | 71.08 | -0.3753 | 14.92 | 14.54 |
| 67 | 7000 | Mercury 30 Wood pole | 0.029117 | 0.023837 | -0.005280 | 853 | 71.08 | -0.3753 | 13.82 | 13.44 |
| 67 | 9500 | Sodium Vapor TC 100 R | 0.029117 | 0.023837 | -0.005280 | 487 | 40.58 | -0.2143 | 11.43 | 11.22 |
| 67 | 52000 | Mercury 35 Wood pole | 0.029117 | 0.023837 | -0.005280 | 4584 | 382.00 | -2.0170 | 30.57 | 28.55 |
| 67 | 52000 | Mercury 50 Wood pole | 0.029117 | 0.023837 | -0.005280 | 4584 | 382.00 | -2.0170 | 34.18 | 32.16 |
| 67 | 52000 | Sodium Vapor | 0.029117 | 0.023837 | -0.005280 | 1959 | 163.25 | -0.8620 | 20.65 | 19.79 |

DUKE ENERGY KENTUCKY

| Sheet No. | Fixture | Lumens | Description | Current Base Fuel | Proposed Base Fuel | Diff. in Base Fuel | Annual kWh | Per Mo. | Increase Change per Mth. | Current Rate/Unit | New Rate/Unit |
|-----------|---------------|--------|-----------------|-------------------|--------------------|--------------------|------------|---------|--------------------------|-------------------|---------------|
| 68 | Standard MV | 7000 | | 0.029117 | 0.023837 | -0.005280 | 803 | 66.92 | -0.3533 | 4.54 | 4.19 |
| 68 | Standard MV | 10000 | | 0.029117 | 0.023837 | -0.005280 | 1144 | 95.33 | -0.5034 | 5.84 | 5.33 |
| 68 | Standard MV | 21000 | | 0.029117 | 0.023837 | -0.005280 | 1789 | 149.08 | -0.7872 | 8.19 | 7.40 |
| 68 | Standard MH | 14000 | | 0.029117 | 0.023837 | -0.005280 | 803 | 66.92 | -0.3533 | 4.54 | 4.19 |
| 68 | Standard MH | 20500 | | 0.029117 | 0.023837 | -0.005280 | 1144 | 95.33 | -0.5034 | 5.84 | 5.33 |
| 68 | Standard MH | 36000 | | 0.029117 | 0.023837 | -0.005280 | 1789 | 149.08 | -0.7872 | 8.19 | 7.40 |
| 68 | Standard SV | 9500 | | 0.029117 | 0.023837 | -0.005280 | 487 | 40.58 | -0.2143 | 5.25 | 5.04 |
| 68 | Standard SV | 16000 | | 0.029117 | 0.023837 | -0.005280 | 711 | 59.25 | -0.3128 | 5.93 | 5.62 |
| 68 | Standard SV | 22000 | | 0.029117 | 0.023837 | -0.005280 | 948 | 79.00 | -0.4171 | 6.58 | 6.17 |
| 68 | Standard SV | 27500 | | 0.029117 | 0.023837 | -0.005280 | 948 | 79.00 | -0.4171 | 6.58 | 6.17 |
| 68 | Standard SV | 50000 | | 0.029117 | 0.023837 | -0.005280 | 1959 | 163.25 | -0.8620 | 9.22 | 8.36 |
| 68 | Decorative MV | 7000 | Holophane | 0.029117 | 0.023837 | -0.005280 | 874 | 72.83 | -0.3846 | 5.70 | 5.32 |
| 68 | Decorative MV | 7000 | Town & Country | 0.029117 | 0.023837 | -0.005280 | 853 | 71.08 | -0.3753 | 5.65 | 5.27 |
| 68 | Decorative MV | 7000 | Gas Replica | 0.029117 | 0.023837 | -0.005280 | 874 | 72.83 | -0.3846 | 5.70 | 5.32 |
| 68 | Decorative MV | 7000 | Aspen | 0.029117 | 0.023837 | -0.005280 | 874 | 72.83 | -0.3846 | 5.70 | 5.32 |
| 68 | Decorative MH | 14000 | Traditionaire | 0.029117 | 0.023837 | -0.005280 | 853 | 71.08 | -0.3753 | 5.65 | 5.27 |
| 68 | Decorative MH | 14000 | Granville Acorn | 0.029117 | 0.023837 | -0.005280 | 874 | 72.83 | -0.3846 | 5.70 | 5.32 |
| 68 | Decorative MH | 14000 | Gas Replica | 0.029117 | 0.023837 | -0.005280 | 874 | 72.83 | -0.3846 | 5.70 | 5.32 |
| 68 | Decorative SV | 9500 | Town & Country | 0.029117 | 0.023837 | -0.005280 | 487 | 40.58 | -0.2143 | 5.17 | 4.96 |
| 68 | Decorative SV | 9500 | Traditionaire | 0.029117 | 0.023837 | -0.005280 | 487 | 40.58 | -0.2143 | 5.17 | 4.96 |
| 68 | Decorative SV | 9500 | Granville Acorn | 0.029117 | 0.023837 | -0.005280 | 532 | 44.33 | -0.2341 | 5.41 | 5.18 |
| 68 | Decorative SV | 9500 | Rectilinear | 0.029117 | 0.023837 | -0.005280 | 487 | 40.58 | -0.2143 | 5.17 | 4.96 |
| 68 | Decorative SV | 9500 | Aspen | 0.029117 | 0.023837 | -0.005280 | 532 | 44.33 | -0.2341 | 5.41 | 5.18 |
| 68 | Decorative SV | 9500 | Holophane | 0.029117 | 0.023837 | -0.005280 | 532 | 44.33 | -0.2341 | 5.41 | 5.18 |
| 68 | Decorative SV | 9500 | Gas Replica | 0.029117 | 0.023837 | -0.005280 | 532 | 44.33 | -0.2341 | 5.41 | 5.18 |
| 68 | Decorative SV | 22000 | Rectilinear | 0.029117 | 0.023837 | -0.005280 | 1023 | 85.25 | -0.4501 | 6.99 | 6.54 |
| 68 | Decorative SV | 50000 | Rectilinear | 0.029117 | 0.023837 | -0.005280 | 1959 | 163.25 | -0.8620 | 9.51 | 8.65 |

DUKE ENERGY KENTUCKY

| Sheet | | | | Current | Proposed | Diff. in | | | Increase | Current | New |
|-------|---------------|--------|-----------------|-----------|-----------|-----------|------------|---------|-----------------|-----------|-----------|
| No. | Fixture | Lumens | Description | Base Fuel | Base Fuel | Base Fuel | Annual kWh | Per Mo. | Change per Mth. | Rate/Unit | Rate/Unit |
| 69 | Decorative MV | 7000 | Holophane | 0.029117 | 0.023837 | -0.005280 | 853 | 71.08 | -0.3753 | 7.66 | 7.29 |
| 69 | Decorative MV | 7000 | Town & Country | 0.029117 | 0.023837 | -0.005280 | 874 | 72.83 | -0.3846 | 7.71 | 7.32 |
| 69 | Decorative MV | 7000 | Gas Replica | 0.029117 | 0.023837 | -0.005280 | 874 | 72.83 | -0.3846 | 7.71 | 7.32 |
| 69 | Decorative MV | 7000 | Aspen | 0.029117 | 0.023837 | -0.005280 | 874 | 72.83 | -0.3846 | 7.71 | 7.32 |
| 69 | Decorative MH | 14000 | Traditionaire | 0.029117 | 0.023837 | -0.005280 | 853 | 71.08 | -0.3753 | 7.66 | 7.29 |
| 69 | Decorative MH | 14000 | Granville Acorn | 0.029117 | 0.023837 | -0.005280 | 874 | 72.83 | -0.3846 | 7.71 | 7.32 |
| 69 | Decorative MH | 14000 | Gas Replica | 0.029117 | 0.023837 | -0.005280 | 874 | 72.83 | -0.3846 | 7.71 | 7.32 |
| 69 | Decorative SV | 9500 | Town & Country | 0.029117 | 0.023837 | -0.005280 | 487 | 40.58 | -0.2143 | 8.16 | 7.95 |
| 69 | Decorative SV | 9500 | Holophane | 0.029117 | 0.023837 | -0.005280 | 532 | 44.33 | -0.2341 | 8.28 | 8.05 |
| 69 | Decorative SV | 9500 | Rectilinear | 0.029117 | 0.023837 | -0.005280 | 487 | 40.58 | -0.2143 | 8.16 | 7.95 |
| 69 | Decorative SV | 9500 | Gas Replica | 0.029117 | 0.023837 | -0.005280 | 532 | 44.33 | -0.2341 | 8.27 | 8.04 |
| 69 | Decorative SV | 9500 | Aspen | 0.029117 | 0.023837 | -0.005280 | 532 | 44.33 | -0.2341 | 8.27 | 8.04 |
| 69 | Decorative SV | 9500 | Traditionaire | 0.029117 | 0.023837 | -0.005280 | 487 | 40.58 | -0.2143 | 8.16 | 7.95 |
| 69 | Decorative SV | 9500 | Granville Acorn | 0.029117 | 0.023837 | -0.005280 | 532 | 44.33 | -0.2341 | 8.27 | 8.04 |
| 69 | Decorative SV | 22000 | Rectilinear | 0.029117 | 0.023837 | -0.005280 | 1023 | 85.25 | -0.4501 | 11.87 | 11.42 |
| 69 | Decorative SV | 50000 | Rectilinear | 0.029117 | 0.023837 | -0.005280 | 1959 | 163.25 | -0.8620 | 15.97 | 15.11 |
| 69 | Decorative SV | 50000 | Setback | 0.029117 | 0.023837 | -0.005280 | 1959 | 163.25 | -0.8620 | 15.97 | 15.11 |

**Duke Energy Kentucky
Case No. 2017-00005
Staff First Set Data Requests
Date Received: February 6, 2017**

STAFF-DR-01-017

REQUEST:

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

RESPONSE:

See STAFF-DR-01-017 Attachment.

PERSON RESPONSIBLE: Theodore H. Czupik Jr.

Duke Energy Kentucky, Inc.
 4580 Olympic Blvd.
 Erlanger, Kentucky 41018

KY.P.S.C. Electric No. 2
~~Sixtieth-Sixty-First~~ Revised Sheet No. 10
 Cancels and Supersedes
~~Fifty-Ninth-Sixtieth~~ Revised Sheet No. 10
 Page 1 of 3

INDEX TO APPLICABLE ELECTRIC TARIFF SCHEDULES AND COMMUNITIES SERVED

| | <u>Sheet No.</u> | <u>Effective Date</u> | |
|--|------------------|-----------------------|-----|
| <u>SERVICE REGULATIONS</u> | | | |
| Service Agreements..... | 20 | 01/02/07 | |
| Supplying and Taking of Service..... | 21 | 01/02/07 | |
| Customer's Installations..... | 22 | 01/02/07 | |
| Company's Installation..... | 23 | 01/02/07 | |
| Metering..... | 24 | 01/02/07 | |
| Billing and Payment..... | 25 | 01/02/07 | |
| Deposits..... | 26 | 01/02/07 | |
| Application of Service Regulations..... | 27 | 01/02/07 | |
| Reserved for Future Use..... | 28-29 | | |
| <u>RESIDENTIAL SERVICE</u> | | | |
| Rate RS, Residential Service..... | 30 | 08/31/15 / 1/17 | (D) |
| Reserved for Future Use..... | 31-39 | | |
| <u>DISTRIBUTION VOLTAGE SERVICE</u> | | | |
| Rate DS, Service at Secondary Distribution Voltage..... | 40 | / 1/1708/31/15 | (D) |
| Rate DT, Time-of-Day Rate For Service at Distribution Voltage..... | 41 | / 1/1708/31/15 | (D) |
| Rate EH, Optional Rate for Electric Space Heating..... | 42 | / 1/1708/31/15 | (D) |
| Rate SP, Seasonal Sports Service..... | 43 | / 1/1708/31/15 | (D) |
| Rate GS-FL, General Service Rate for Small Fixed Loads..... | 44 | / 1/1708/31/15 | (D) |
| Rate DP, Service at Primary Distribution Voltage..... | 45 | / 1/1708/31/15 | (D) |
| Reserved for Future Use..... | 46-49 | | |
| <u>TRANSMISSION VOLTAGE SERVICE</u> | | | |
| Reserved for Future Use..... | 50 | | |
| Rate TT, Time-of-Day Rate for Service at Transmission Voltage..... | 51 | / 1/1708/31/15 | (D) |
| Reserved for Future Use..... | 52-57 | | |
| Rider GSS, Generation Support Service..... | 58 | 01/02/07 | |
| Rate RTP-M, Real Time Pricing – Market Based Pricing..... | 59 | 01/02/07 | |
| <u>LIGHTING SERVICE</u> | | | |
| Rate SL, Street Lighting Service..... | 60 | / 1/1708/31/15 | (D) |
| Rate TL, Traffic Lighting Service..... | 61 | / 1/1708/31/15 | (D) |
| Rate UOLS, Unmetered Outdoor Lighting..... | 62 | / 1/1708/31/15 | (D) |
| Rate OL-E, Outdoor Lighting Equipment Installation..... | 63 | 01/02/07 | (D) |
| Reserved for Future Use..... | 64 | | |
| Rate OL, Outdoor Lighting Service..... | 65 | / 1/1708/31/15 | (D) |
| Rate NSU, Street Lighting Service for Non-Standard Units..... | 66 | / 1/1708/31/15 | (D) |
| Rate NSP, Private Outdoor Lighting for Non-Standard Units..... | 67 | / 1/1708/31/15 | (D) |
| Rate SC, Street Lighting Service – Customer Owned..... | 68 | / 1/1708/31/15 | (D) |
| Rate SE, Street Lighting Service – Overhead Equivalent..... | 69 | / 1/1708/31/15 | (D) |

Issued by authority of an Order of the Kentucky Public Service
 Commission dated December 4, 2014 in Case No. 2014-00204 (D)

Issued: January 31, 2017 (D)
 Effective: March 2, 2017 (D)
 Issued by: James P. Henning, President (D)

Duke Energy Kentucky, Inc.
 4580 Olympic Blvd.
 Erlanger, Kentucky 41018

KY.P.S.C. Electric No. 2
~~Sixtieth-Sixty-First~~ Revised Sheet No. 10
 Cancels and Supersedes
~~Fifty-Ninth-Sixtieth~~ Revised Sheet No. 10
 Page 2 of 3

INDEX TO APPLICABLE ELECTRIC TARIFF SCHEDULES AND COMMUNITIES SERVED (Contd.)

| <u>TARIFF RIDERS</u> | <u>Sheet No.</u> | <u>Effective Date</u> | |
|---|-------------------------|------------------------------|-----|
| Reserved for Future Use..... | 70 | | |
| Rider TS, Temporary Service..... | 71 | 01/02/07 | |
| Rider X, Line Extension..... | 72 | 01/02/07 | |
| Rider LM, Load Management Rider..... | 73 | 01/02/07 | |
| Reserved for Future Use..... | 74 | | |
| Rider DSM, Demand Side Management Cost Recovery Program..... | 75 | 01/02/07 | |
| Reserved for Future Use..... | 76 | | |
| Rider PLM, Peak Load Management Program..... | 77 | 01/02/07 | |
| Rider DSMR, Demand Side Management Rate..... | 78 | 02/01/17 | |
| Rider BDP, Backup Delivery Point Capacity Rider | 79 | 01/02/07 | |
| <u>FUEL RIDERS</u> | | | |
| Rider FAC, Fuel Adjustment Clause..... | 80 | 1/17/08/31/16 | (T) |
| Reserved for Future Use..... | 81 | | |
| Rider PSM, Off-System Sales Profit Sharing Mechanism..... | 82 | 03/02/17 | (T) |
| Reserved for Future Use..... | 83 | | |
| Reserved for Future Use..... | 84 | | |
| Rider BR, Brownfield Redevelopment Rider..... | 85 | 01/02/07 | |
| Rider DIR, Development Incentive Rider..... | 86 | 01/02/07 | |
| Reserved for Future Use..... | 87 | | |
| Rider GP, Green Power Rider..... | 88 | 03/03/10 | |
| Rider NM, Net Metering Rider..... | 89 | 05/03/09 | |
| <u>MISCELLANEOUS</u> | | | |
| Bad Check Charge..... | 90 | 01/02/07 | |
| Charge for Reconnection of Service..... | 91 | 01/02/07 | |
| Rate CATV, Rate for Pole Attachments of Cable Television Systems..... | 92 | 01/02/07 | |
| Cogeneration and Small Power Production Sale and Purchase – 100 kW or Less..... | 93 | | |
| Cogeneration And Small Power Production Sale and Purchase – Greater Than 100 kW..... | 94 | 04/17/12 | |
| Local Franchise Fee..... | 95 | 01/02/07 | |
| Rate UDP-R, Underground Residential Distribution Policy..... | 96 | 01/02/07 | |
| Rate UDP-G, General Underground Distribution Policy..... | 97 | 01/02/07 | |
| Electricity Emergency Procedures for Long Term Fuel Shortages..... | 98 | 01/02/07 | |
| Rate RTP, Real Time Pricing Program..... | 99 | 01/02/09 | |
| Emergency Electric Procedures..... | 100 | 01/02/07 | |
| Rate MDC, Meter Data Charges..... | 101 | 01/02/07 | |
| Residential Comprehensive Energy Education Program (NEED) | 103 | 04/30/12 | |
| Residential Smart Saver | 104 | 04/30/12 | |
| Residential Conservation and Energy Education | 106 | 04/30/12 | |
| Residential Direct Load Control – Power Manager Program | 108 | 04/30/12 | |
| Residential Home Energy House Call | 109 | 04/30/12 | |
| Energy Star Products | 110 | 04/30/12 | |
| CI High Efficiency Incentive | 113 | 04/30/12 | |
| Energy Efficiency Website | 114 | 04/30/12 | |
| Personalized Energy Report | 115 | 04/30/12 | |
| Smart Saver Custom Program | 116 | 04/30/12 | |
| Payment Plus | 117 | 04/30/12 | |

Issued by authority of an Order of the Kentucky Public Service
 Commission dated December 4, 2014 in Case No. 2014-00204 (T)

Issued: January 31, 2017 (T)
 Effective: March 2, 2017 (T)
 Issued by: James P. Henning, President (T)

Duke Energy Kentucky, Inc.
4580 Olympic Blvd.
Erlanger, Kentucky 41018

KY.P.S.C. Electric No. 2
~~Sixtieth-Sixty-First~~ Revised Sheet No. 10
Cancels and Supersedes
~~Fifty-Ninth-Sixtieth~~ Revised Sheet No. 10
Page 3 of 3

INDEX TO APPLICABLE ELECTRIC TARIFF SCHEDULES AND COMMUNITIES SERVED

COMMUNITIES SERVED:

| | |
|------------------|------------------|
| Alexandria | Highland Heights |
| Bellevue | Independence |
| Boone County | Kenton County |
| 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 | |

Issued by authority of an Order of the Kentucky Public Service
Commission dated December 4, 2014 in Case No. 2014-00204 (T)

Issued: January 31, 2017 (T)
Effective: March 2, 2017 (T)
Issued by: James P. Henning, President (T)

Duke Energy Kentucky, Inc.
 4580 Olympic Blvd.
 Erlanger, KY 41018

KY.P.S.C. Electric No. 2
~~Sixth~~ ~~Seventh~~ Revised Sheet No. 30
 Cancels and Supersedes
~~Fifth~~ ~~Sixth~~ Revised Sheet No. 30
 Page 1 of 2

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 | \$4.50 | per month | |
| (b) Energy Charge | | | |
| All kilowatt hours | \$0.0807360 | 0.075456 per kWh | (±R) |

2. Applicable Riders

The following riders are applicable pursuant to the specific terms contained within each rider:
 Sheet No. 78, Rider DSMR, Demand Side Management Rider
 Sheet No. 80, Rider FAC, Fuel Adjustment Clause
 Sheet No. 81, Rider MSR-E, Merger Savings Credit Rider – Electric
 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 August 11, 2015 in Case No. 2014-
004542017-00005.

(T)

Issued: ~~August 14, 2015~~ February 20, 2017

(T)

(T)

Effective: March 22, 2017 ~~August 31, 2015~~
 Issued by James P. Henning, President

(T)

Duke Energy Kentucky, Inc.
4580 Olympic Blvd.
Erlanger, KY 41018

KY.P.S.C. Electric No. 2
~~Sixth~~ Seventh Revised Sheet No. 30
Cancels and Supersedes
~~Fifth~~ Sixth Revised Sheet No. 30
Page 2 of 2

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.

Issued by authority of an Order of the Kentucky Public Service
Commission dated ~~August 11, 2015~~ in Case No. 2014-
004542017-00005.

Issued: ~~August 14, 2015~~ February 20, 2017

Effective: March 22, 2017 ~~August 31, 2015~~
Issued by James P. Henning, President

(T)
(T)
(T)
(T)

Duke Energy Kentucky, Inc.
 4580 Olympic Blvd.
 Erlanger, Kentucky 41018

KY.P.S.C. Electric No. 2
~~Sixth~~ ~~Seventh~~ Revised Sheet No. 40
 Cancels and Supersedes
~~Fifth~~ ~~Sixth~~ Revised Sheet No. 40
 Page 1 of 4

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 \$0.241184 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 | \$ 7.50 | per month |
| Three Phase Service | \$ 15.00 | per month |

(b) Demand Charge

| | | |
|----------------------|---------|--------|
| First 15 kilowatts | \$ 0.00 | per kW |
| Additional kilowatts | \$ 7.75 | per kW |

(c) Energy Charge

| | | | |
|-----------------|-------------|----------------|------|
| First 6,000 kWh | \$0.0869250 | 081645 per kWh | (±R) |
| Next 300 kWh/kW | \$0.0553990 | 050119 per kWh | (±R) |
| Additional kWh | \$0.0463230 | 041043 per kWh | (±R) |

2. Applicable Riders

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

- Sheet No. 78, Rider DSMR, Demand Side Management Rider
- Sheet No. 80, Rider FAC, Fuel Adjustment Clause
- Sheet No. 81, Rider MSR-E, Merger Savings Credit Rider – Electric
- Sheet No. 82, Rider PSM, Profit Sharing Mechanism

The minimum charge shall be the Customer Charge shown above.

For customers receiving service under the provisions of former Rate C, Optional Rate for Churches, as of

Issued by authority of an Order of the Kentucky Public Service
 Commission dated August 11, 2015 in Case No. 2014-
 004542017-00005.

(T)

(T)

Issued: ~~August 14, 2015~~ February 20, 2017

(T)

(T)

Effective: ~~March 22, 2017~~ August 31, 2016
 Issued by James P. Henning, President

Duke Energy Kentucky, Inc.
4580 Olympic Blvd.
Erlanger, Kentucky 41018

KY.P.S.C. Electric No. 2
~~Sixth~~ ~~Seventh~~ Revised Sheet No. 40
Cancels and Supersedes
~~Fifth~~ ~~Sixth~~ Revised Sheet No. 40
Page 2 of 4

June 25, 1981, the maximum monthly rate per kilowatt-hour shall not exceed \$0.148065 per kilowatt-hour plus all applicable riders.

NET MONTHLY BILL (Cont'd)

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.

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

Issued by authority of an Order of the Kentucky Public Service
Commission dated August 11, 2015 ___ in Case No. 2014-
004542017-00005.

(T)

Issued: ~~August 14, 2015~~ February 20, 2017

(T)

(T)

(T)

Effective: March 22, 2017 ~~August 31, 2015~~
Issued by James P. Henning, President

Duke Energy Kentucky, Inc.
4580 Olympic Blvd.
Erlanger, Kentucky 41018

KY.P.S.C. Electric No. 2
~~Sixth-Seventh~~ Revised Sheet No. 40
Cancels and Supersedes
~~Fifth-Sixth~~ Revised Sheet No. 40
Page 3 of 4

- the power factor, as determined during the interval in which the maximum kW demand is established, will be used for billing purposes; or

POWER FACTOR ADJUSTMENT (Cont'd)

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.

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.

Issued by authority of an Order of the Kentucky Public Service
Commission dated August 11, 2015, in Case No. 2014-
094642017-00005.

(T)

Issued: ~~August 14, 2016~~ February 20, 2017

(T)

(T)

(T)

Effective: ~~March 22, 2017~~ August 31, 2016
Issued by James P. Henning, President

Duke Energy Kentucky, Inc.
4580 Olympic Blvd.
Erlanger, Kentucky 41018

KY.P.S.C. Electric No. 2
~~Sixth-Seventh~~ Revised Sheet No. 40
Cancels and Supersedes
~~Fifth-Sixth~~ Revised Sheet No. 40
Page 4 of 4

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 ~~August 11, 2016~~ in Case No. ~~2014-~~
~~00464~~2017-00005.

Issued: ~~August 14, 2016~~ February 20, 2017

Effective: March 22, 2017 ~~August 31, 2016~~
Issued by James P. Henning, President

(T)
(E)
(T)

Duke Energy Kentucky, Inc.
 4580 Olympic Blvd.
 Erlanger, Kentucky 41018

KY.P.S.C. Electric No. 2
~~Sixth~~ Seventh Revised Sheet No. 41
 Cancels and Supersedes
~~Fifth~~ Sixth Revised Sheet No. 41
 Page 1 of 4

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 | | \$ 7.50 per month | |
| Three Phase | | \$ 15.00 per month | |
| Primary Voltage Service | | \$100.00 per month | |
| (b) Demand Charge | | | |
| Summer | | | |
| On Peak kW | | \$ 12.75 per kW | |
| Off Peak kW | | \$ 1.15 per kW | |
| Winter | | | |
| On Peak kW | | \$ 12.07 per kW | |
| Off Peak kW | | \$ 1.15 per kW | |
| (c) Energy Charge | | | |
| Summer On Peak kWh | | \$0.0494750 <u>0.044195</u> per kWh | (±R) |
| Winter On Peak kWh | | \$0.0474750 <u>0.042195</u> per kWh | (±R) |
| Off Peak kWh | | \$0.0414750 <u>0.036195</u> per kWh | (±R) |

Issued by authority of an Order of the Kentucky Public Service
 Commission dated August 11, 2015 in Case No. ~~2014-~~
~~00454~~ 2017-00005.

(T)

Issued: ~~August 14, 2015~~ February 20, 2017

(T)

(T)

Effective: March 22, 2017 ~~August 31, 2016~~
 Issued by James P. Henning, President

(T)

Duke Energy Kentucky, Inc.
 4580 Olympic Blvd.
 Erlanger, Kentucky 41018

KY.P.S.C. Electric No. 2
~~Sixth-Seventh~~ Revised Sheet No. 41
 Cancels and Supersedes
~~Fifth-Sixth~~ Revised Sheet No. 41
 Page 2 of 4

Low Load Factor Optional Rate – Pilot Program

Customers with annual load factors of 45% or lower are eligible to receive service at the following rates. Annual load factor is defined as the sum of the kWh during the prior year divided by the sum of the kW during the prior year divided by 730. This pilot program low load factor optional rate will remain in effect through December 31, 2007. The Company may apply to continue this pilot program beyond December 31, 2007, subject to Commission approval.

Base Rate

| | | | |
|-------------------------|--|----------------------------|------|
| (a) Customer Charge | | | |
| Single Phase | | \$ 7.50 per month | |
| Three Phase | | \$ 15.00 per month | |
| Primary Voltage Service | | \$100.00 per month | |
| (b) Demand Charge | | | |
| Summer | | | |
| On Peak kW | | \$ 11.90 per kW | |
| Off Peak kW | | \$ 1.15 per kW | |
| Winter | | | |
| On Peak kW | | \$ 10.54 per kW | |
| Off Peak kW | | \$ 1.15 per kW | |
| (c) Energy Charge | | | |
| Summer On Peak kWh | | \$0.0624370.046857 per kWh | (±R) |
| Winter On Peak kWh | | \$0.0604370.044857 per kWh | (±R) |
| Off Peak kWh | | \$0.0441370.038857 per kWh | (±R) |

2. Applicable Riders

The following riders are applicable pursuant to the specific terms contained within each rider:
 Sheet No. 78, Rider DSMR, Demand Side Management Rider
 Sheet No. 80, Rider FAC, Fuel Adjustment Clause
 Sheet No. 81, Rider MSR-E, Merger Savings Credit Rider – Electric
 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.

Issued by authority of an Order of the Kentucky Public Service
 Commission dated August 11, 2016 in Case No. 2014-
004542017-00005.

(T)

Issued: ~~August 14, 2016~~ February 20, 2017

(T)

(T)

Effective: March 22, 2017 ~~August 31, 2016~~
 Issued by James P. Henning, President

(T)

Duke Energy Kentucky, Inc.
4580 Olympic Blvd.
Erlanger, Kentucky 41018

KY.P.S.C. Electric No. 2
~~Sixth-Seventh~~ Revised Sheet No. 41
Cancels and Supersedes
~~Fifth-Sixth~~ Revised Sheet No. 41
Page 3 of 4

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 \$0.65 per kW.
Additional kW of On Peak billing demand at \$0.50 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

Issued by authority of an Order of the Kentucky Public Service
Commission dated August 11, 2016 in Case No. 2014-
004542017-00005.

(T)

Issued: ~~August 14, 2016~~ February 20, 2017

(T)

(T)

Effective: March 22, 2017 ~~August 31, 2016~~
Issued by James P. Henning, President

(T)

Duke Energy Kentucky, Inc.
4580 Olympic Blvd.
Erlanger, Kentucky 41018

KY.P.S.C. Electric No. 2
~~Sixth-Seventh~~ Revised Sheet No. 41
Cancels and Supersedes
~~Fifth-Sixth~~ Revised Sheet No. 41
Page 4 of 4

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.

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.

Issued by authority of an Order of the Kentucky Public Service
Commission dated ~~August 11, 2016~~ in Case No. 2014-
~~00464~~ 2017-00005.

(T)

Issued: ~~August 14, 2016~~ February 20, 2017

(T)

(T)

Effective: March 22, 2017 ~~August 31, 2016~~
Issued by James P. Henning, President

(T)

Duke Energy Kentucky, Inc.
4580 Olympic Blvd.
Erlanger, Kentucky 41018

KY.P.S.C. Electric No. 2
~~Sixth-Seventh~~ Revised Sheet No. 42
Cancels and Supersedes
~~Fifth-Sixth~~ Revised Sheet No. 42
Page 1 of 3

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 secondary voltage.

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 | | \$ 7.50 per month | |
| Three Phase Service | | \$ 15.00 per month | |
| Primary Voltage Service | | \$ 100.00 per month | |
| (b) Energy Charge | | | |
| All kWh | | \$0.0668940.061524 per kWh | (FR) |

2. Applicable Riders

The following riders are applicable pursuant to the specific terms contained within each rider:
Sheet No. 78, Rider DSMR, Demand Side Management Rider
Sheet No. 80, Rider FAC, Fuel Adjustment Clause
Sheet No. 81, Rider MSR-E, Merger Savings Credit Rider – Electric
Sheet No. 82, Rider PSM, Profit Sharing Mechanism

The minimum charge shall be the Customer Charge stated above.

B. Summer Billing Period

For energy used during the summer period, the kilowatt demand and kilowatt-hour use shall be billed

Issued by authority of an Order of the Kentucky Public Service
Commission dated August 11, 2015 in Case No. 2014-
004542017-00005. (T)

Issued: ~~August 14, 2015~~ February 20, 2017 (T)

Effective: ~~March 22, 2017~~ August 31, 2015
Issued by James P. Henning, President

Duke Energy Kentucky, Inc.
4580 Olympic Blvd.
Erlanger, Kentucky 41018

KY.P.S.C. Electric No. 2
~~Sixth-Seventh~~ Revised Sheet No. 42
Cancels and Supersedes
~~Fifth-Sixth~~ Revised Sheet No. 42
Page 2 of 3

in accordance with the provisions of the applicable Rate DS or Rate DP.

Issued by authority of an Order of the Kentucky Public Service
Commission dated ~~August 11, 2015~~ in Case No. ~~2014-~~
~~00454~~2017-00005.

(T)

Issued: ~~August 14, 2015~~ February 20, 2017

(T)
(T)
(T)

Effective: ~~March 22, 2017~~ August 31, 2015
Issued by James P. Henning, President

Duke Energy Kentucky, Inc.
4580 Olympic Blvd.
Erlanger, Kentucky 41018

KY.P.S.C. Electric No. 2
~~Sixth~~ ~~Seventh~~ Revised Sheet No. 42
Cancels and Supersedes
~~Fifth~~ ~~Sixth~~ Revised Sheet No. 42
Page 3 of 3

NET MONTHLY BILL (Contd.)

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.

Issued by authority of an Order of the Kentucky Public Service
Commission dated ~~August 11, 2015~~ in Case No. 2014-
~~00454~~2017-00005.

(T)

Issued: ~~August 14, 2015~~ February 20, 2017

(T)

(T)

(T)

Effective: ~~March 22, 2017~~ August 31, 2016
Issued by James P. Henning, President

Duke Energy Kentucky, Inc.
4580 Olympic Blvd.
Erlanger, Kentucky 41018

KY.P.S.C. Electric No. 2
~~Sixth~~ ~~Seventh~~ Revised Sheet No. 43
Cancels and Supersedes
~~Fifth~~ ~~Sixth~~ Revised Sheet No. 43
Page 1 of 2

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. This rate is available only to customers to whom service was supplied in accordance with its terms on June 25, 1981.

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 \$7.50 per month
 - (b) Energy Charge ~~\$0.1058780~~ 0.100598 per kWh (±R)

2. Applicable Riders

The following riders are applicable pursuant to the specific terms contained within each rider:
Sheet No. 78, Rider DSMR, Demand Side Management Rider
Sheet No. 80, Rider FAC, Fuel Adjustment Clause
Sheet No. 81, Rider MSR-E, Merger Savings Credit Rider – Electric
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 of \$25.00 is applicable to each season to cover in part the cost of reconnection of service.

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.

Issued by authority of an Order of the Kentucky Public Service
Commission dated August 11, 2016 in Case No. 2014-
~~004542017-00005~~

(T)

Issued: February 20, 2017-August 14, 2016
Effective: March 22, 2017-August 31, 2016
Issued by James P. Henning, President

(T)

(T)

(T)

Duke Energy Kentucky, Inc.
4580 Olympic Blvd.
Erlanger, Kentucky 41018

KY.P.S.C. Electric No. 2
~~Sixth~~ Seventh Revised Sheet No. 43
Cancels and Supersedes
~~Fifth~~ Sixth Revised Sheet No. 43
Page 2 of 2

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.

Issued by authority of an Order of the Kentucky Public Service
Commission dated August 11, 2016 ___ in Case No. 2014-
004542017-00005.

(T)

Issued: February 20, 2017-August 14, 2015
Effective: March 22, 2017-August 31, 2015
Issued by James P. Henning, President

(T)

(T)

(T)