

Kentucky Power Company
KPSC Case No. 2023-00008
AG-KIUC's First Set of Data Requests
Dated October 20, 2023

DATA REQUEST

AG-KIUC Refer to the response to Staff 1-15, which reflects the Generating Unit Net
1_1 Capacity Factor (%) and the Generating Unit Equivalent Availability
Factor (%) for the months May 2022 through October 2022 for Big Sandy
1, Mitchell 1, and Mitchell 2. In the same format, provide similar tables
that present the data for all twenty- four months in the review period and
that also include the factors for Rockport 1 and Rockport 2 for each of
those months.

RESPONSE

See KPCO_R_AG_KIUC_1_1_Attachment1 for the requested information.

Witness: Douglas J. Rosenberger

Witness: David L. Mell

Kentucky Power Company Fuel Adjustment Case No. 2023-00008 Generating Unit Net Capacity Factor [%] November 1, 2020-October 31, 2023																								
	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22
Big Sandy 1	42.29	32.66	18.79	35.99	29.99	16.83	17.33	29.72	44.62	17.23	30.74	0.00	0.00	15.31	76.04	17.18	12.71	26.52	31.66	31.41	23.47	16.58	0.00	0.00
Mitchell 1	0.00	17.01	41.38	36.53	12.93	15.18	0.00	55.90	54.13	45.20	47.19	9.64	0.00	0.00	37.70	0.00	0.08	24.47	44.97	50.58	54.81	70.15	46.09	0.00
Mitchell 2	53.11	43.99	0.00	37.74	9.10	10.72	65.03	51.02	71.11	77.10	55.23	45.54	29.93	63.42	55.82	38.96	0.00	23.59	13.52	23.40	39.50	23.43	0.00	0.00
Rockport 1	9.00	0.00	1.56	67.77	12.34	21.23	47.70	62.92	37.70	26.72	0.00	0.00	0.00	0.00	7.24	39.26	0.93	3.96	0.00	40.69	55.44	21.39	0.00	0.00
Rockport 2	37.87	0.00	0.00	39.62	3.75	0.00	0.00	29.20	45.65	54.43	8.56	0.00	0.00	47.61	65.05	19.37	0.00	55.45	50.29	19.91	34.22	45.47	3.90	0.00

Kentucky Power Company Fuel Adjustment Case No. 2023-00008 Generating Unit Equivalent Availability Factor [%] November 1, 2020-October 31, 2023																								
	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22
Big Sandy 1	66.25	68.17	69.11	76.33	88.72	29.62	64.25	63.74	80.44	40.64	62.60	0.00	0.00	34.44	94.68	48.28	59.42	57.60	85.75	86.51	61.28	76.27	15.51	0.00
Mitchell 1	17.11	67.11	62.33	52.69	27.15	29.22	0.00	72.38	61.89	51.99	53.62	14.54	0.00	42.25	88.69	45.65	75.55	77.72	92.41	84.99	80.82	96.85	75.69	0.00
Mitchell 2	84.84	97.11	78.36	59.04	16.49	15.15	98.36	74.69	81.77	81.05	57.57	57.65	71.27	79.76	80.27	45.96	18.71	90.52	94.72	57.99	55.95	92.7	6.34	0.00
Rockport 1	15.04	42.81	16.43	80.85	35.80	61.90	98.92	97.41	86.39	54.87	0.00	0.00	0.00	52.96	62.91	65.62	66.73	7.18	0.00	63.35	76.21	69.10	54.43	0.00
Rockport 2	65.53	46.14	100.00	65.32	45.49	13.33	0.00	69.39	98.03	92.82	12.62	0.00	0.00	98.17	94.32	45.22	100.00	97.82	96.36	42.65	44.07	73.65	5.78	0.00

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AG-KIUC Refer to the revised file attachments in response to Staff 1-16 in Case No. 2022-00036 representing a correction for certain cell row misalignments for the months July 2021 and August 2021.

1_2

a. Confirm that there were no changes to the amount of the PUE disallowance for the month of July 2021 related to the revised attachment computation. If not confirmed, provide the amount of the originally computed PUE disallowance and the revised computed PUE disallowance for that month.

b. Confirm that the amount of the PUE disallowance in the originally computed August 2021 attachment was \$322,569.53 and that was the amount originally included in the applicable FAC determination.

c. Confirm that the amount of the PUE disallowance computed in the revised August 2021 attachment was \$137,059.02.

d. Did the Company reflect the difference in the computed August 2021 PUE disallowance in a future FAC filing? If so, describe in detail how and when an adjustment was made and provide a copy of the FAC filing that included the adjustment. If not, explain why not.

RESPONSE

a. Confirmed

b. Confirmed

c. Confirmed

d. The Company did not reflect the difference in a future FAC filing and the \$174,925 has not been collected from customers. It was erroneously omitted.

Witness: Scott E. Bishop

Witness: Alex E. Vaughan

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DATA REQUEST

AG-KIUC For the last six months of the two-year period under review, May 2022
1_3 through October 2022, provide the monthly supporting peaking unit equivalent calculations in electronic Excel spreadsheet format with all formulas, columns, and rows unprotected and visible supporting the forced outage calculations. In addition, provide the corresponding amount, if any, of forced outage purchased power collected through the purchase power adjustment tariff.

RESPONSE

Please see the following attachments for the requested information:

May 2022: KPCO_R_AG_KIUC_1_3_Attachment1

June 2022: KPCO_R_AG_KIUC_1_3_Attachment2

July 2022: KPCO_R_AG_KIUC_1_3_Attachment3

August 2022: KPCO_R_AG_KIUC_1_3_Attachment4

September 2022: KPCO_R_AG_KIUC_1_3_Attachment5

October 2022: KPCO_R_AG_KIUC_1_3_Attachment6

Forced outage purchased power expense collected through the purchase power adjustment rider can be found in Column 'AB' of the 'MM-YYYY' tab within each file.

Witness: Alex E. Vaughan

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DATA REQUEST

AG-KIUC Refer to the Excel file KPCO_R_KPSC_1_16_Attachment3 attached to
1_4 the response to Staff's First Set of Data Requests, Item No. 16, in Case
No. 2021-00292. This file relates to the FAC month January 2021. Refer
further to the tab 01-21 Hourly Purch Alloc and further to cells M3 through
Q6, which show the calculation of \$/MWh for each of the generating units
for January 2021.

- a.
Confirm that the actual MWh generated for January 2021 match the
amounts for each generating unit as reflected in cells M3 through Q3. If
not confirmed, explain and provide the correct amounts.
- b. Confirm that the cost of generation in January 2021 match the amounts
for each generating unit as reflected in cells M5 through Q5. If not
confirmed, explain and provide the correct amounts.
- c. For each hour in January 2021, provide the generation by hour for each
generating unit. If zero for any hour, reflect as zero.
- d. Indicate how many hours of generation were experienced by Rockport
1 during January 2021.
- e. Indicate if there was some type of cost reallocation or reclassification
for each generating unit during January 2021. If so, describe each such
event.
- f. Explain all reasons why the generation costs for Rockport 1,
\$276,238.86, were so high in order to generate only 2,293 MWh with a
cost per MWh of \$120.488 during January 2021. As part of the answer,
break down all generation costs reflected by category of costs.

RESPONSE

- a. Confirmed, those values represent the actual Net Generation amounts for each
generating unit.
- b. While the values reflect fuel expense and generation of these units, they do not present
a complete picture of what occurred during January 2021. The amounts identified in Part

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b of the question represent the total fuel expense assigned to each resource as recorded in the Company's General Ledger during the month of January 2021.

c. Please see KPCO_R_AG_KIUC_1_4_Attachment1 for the requested information.

d. Rockport unit 1 entered January 2021 in reserve shutdown status and when it attempted to start, it suffered a startup failure due to eccentricity issues. As a result, the unit entered a forced outage until it was started later in the month. Rockport Unit 1 had 38 hours of non-zero generation during January 2021 that lead to the \$120.488/MWH. The costs were comprised of high fuel oil consumption which amounted to \$186,444.92 and \$89,793.95 of coal consumption.

e. The Company completes a coal inventory survey twice per year at the Mitchell and Rockport facilities. The survey results lead to one of three actions, no-change to the coal inventory, an increase to the coal inventory or a decrease to the coal inventory. No survey adjustment was recorded to the coal piles at the Rockport Plant in the January 2021 accounting cycle.

f. See the Company's response to subpart (d).

Witness: Alex E. Vaughan

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DATA REQUEST

AG-KIUC
1_5 Refer to the Excel file KPCO_R_KPSC_1_16_Attachment5 attached to the response to Staff's First Set of Data Requests, Item No. 16, in Case No. 2021-00292. This file relates to the FAC month March 2021. Refer further to the tab 03-21 Hourly Purch Alloc and further to cells M3 through Q6, which show the calculation of \$/MWh for each of the generating units for March 2021.

a. Confirm that the actual MWh generated for March 2021 match the amounts for each generating unit as reflected in cells M3 through Q3. If not confirmed, explain and provide the correct amounts.

b. Confirm that the cost of generation in March 2021 match the amounts for each generating unit as reflected in cells M5 through Q5. If not confirmed, explain and provide the correct amounts.

c. For each hour in March 2021, provide the generation by hour for each generating unit. If zero for any hour, reflect as zero.

d. Indicate how many hours of generation were experienced by Rockport 2 during March 2021.

e. Indicate if there was some type of cost reallocation or reclassification for each generating unit during March 2021. If so, describe each such event.

f. Explain all reasons why the generation costs for Rockport 2, \$382,099.49, were so high in order to generate only 5,434 MWh with a cost per MWh of \$70.315 during March 2021. As part of the answer, break down all generation costs reflected by category of costs.

RESPONSE

a. Confirmed, those values represent the actual Net Generation amounts for each generating unit.

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b. While the values reflect fuel expense and generation of these units, they do not present a complete picture of what occurred during March 2021. The amounts in identified in Part b of the question represent the total fuel expense assigned to each resource as recorded in the Company's General Ledger during the month of March 2021.

c. Please see KPCO_R_AG_KIUC_1_5_Attachment1 for the requested information.

d. Rockport Unit 2 entered March 2021 in maintenance outage status and when it attempted to start, it suffered a start failure due to leaking valves that kept it in a forced outage for approximately 2 days. Rockport Unit 2 came online for approximately 3 days before being placed back into a maintenance outage and eventually into reserve shutdown. Rockport Unit 2 had 65 hours of non-zero generation during January 2021 that lead to the \$70.315/MWH. The costs were comprised of fuel oil consumption which amounted to \$22,558.02 and \$359,541.47 of coal consumption.

e. The Company completes a coal inventory survey twice per year at the Mitchell and Rockport facilities. The survey results lead to one of three actions, no-change to the coal inventory, an increase to the coal inventory or a decrease to the coal inventory. A survey adjustment was recorded to the coal piles at the Rockport Plant in the March 2021 accounting cycle.

f. See the Company's response to subpart (d).

Witness: Alex E. Vaughan



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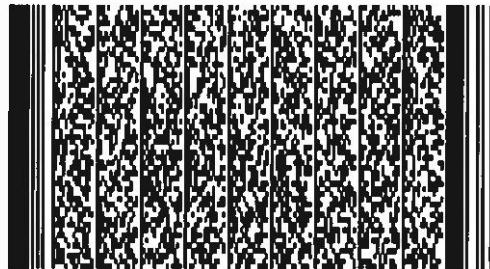
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E-Signature 1: David L Mell (DLM)
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 dlmell@aep.com (Principal) (Personally Known)

E-Signature Notary: Marilyn Michelle Caldwell (MMC)
 October 30, 2023 07:09:08 -8:00 [E3A673A2A3B9] [167.239.221.101]
 mmcaldwell@aep.com
 I, Marilyn Michelle Caldwell, did witness the participants named above electronically sign this document.



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VERIFICATION

The undersigned, David L. Mell, being duly sworn, deposes and says he is the Energy Production Superintendent – Big Sandy Plant for Kentucky Power Company, that he has personal knowledge of the matters set forth in the foregoing responses and the information contained therein is true and correct to the best of his information, knowledge, and belief.

David L. Mell

David L. Mell

Commonwealth of Kentucky)
County of Boyd)

Case No. 2023-00008

Subscribed and sworn to before me, a Notary Public in and before said County and State, by David L. Mell, on October 30, 2023.

Notary Public

Marilyn Michelle Caldwell

MARILYN MICHELLE CALDWELL
ONLINE NOTARY PUBLIC
STATE AT LARGE KENTUCKY
Commission # KYNP71841
My Commission Expires May 05, 2027

My Commission Expires May 5, 2027 Notarial act performed by audio-visual communication

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Rosenberger Discovery Verification Form.doc

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E-Signature Summary

E-Signature 1: Douglas J Rosenberger (DJR)
 October 30, 2023 08:31:35 -8:00 [9AB3D56074B0] [167.239.221.106]
 djrosenberger@aep.com (Principal) (Personally Known)

E-Signature Notary: Marilyn Michelle Caldwell (MMC)
 October 30, 2023 08:31:35 -8:00 [0D9023EA2487] [167.239.221.101]
 mmcaldwell@aep.com
 I, Marilyn Michelle Caldwell, did witness the participants named above electronically sign this document.



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VERIFICATION

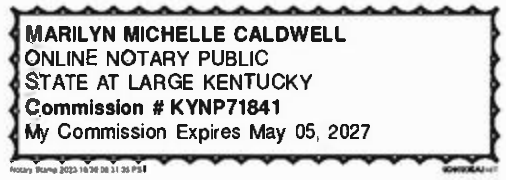
The undersigned, Douglas J. Rosenberger, being duly sworn, deposes and says he is the Mitchell Plant Manager for Kentucky Power Company, that he has personal knowledge of the matters set forth in the foregoing responses and the information contained therein is true and correct to the best of his information, knowledge, and belief.

Douglas J. Rosenberger
Douglas J. Rosenberger

_____))
_____)) Case No. 2023-00008
_____))

Subscribed and sworn to before me, a Notary Public in and before said County and State, by Douglas J. Rosenberger, on October 30, 2023.

Notary Public Marilyn Caldwell



Notarial act performed by audio-visual communication

My Commission Expires May 5, 2027

Notary ID Number KYNP71841

D64F7A44-FC11-4077-9BE4-B7DD8C91C85B -- 2023/10/27 06:01:06 -8:00 --- Remote Notary

VERIFICATION

The undersigned, Alex E. Vaughan, being duly sworn, deposes and says he is the Managing Director for Renewables and Fuel Strategy for American Electric Power Service Corporation that he has personal knowledge of the matters set forth in the foregoing responses and the information contained therein is true and correct to the best of his information, knowledge, and belief.


Alex E. Vaughan

State of Ohio)
County of Franklin)

Case No. 2023-00008

Subscribed and sworn to before me, a Notary Public in and before said County and State, by Alex E. Vaughan, on 11/2/23.


Notary Public



Paul D. Flory
Attorney At Law
Notary Public, State of Ohio
My commission has no expiration date
Sec. 147.03 R.C.

My Commission Expires 11-2-23

Notary D N umber No ID