

Kentucky Power Company
KPSC Case No. 2023-00008
AG-KIUC's Second Set of Data Requests
Dated November 16, 2023

DATA REQUEST

- AG-KIUC 2_1** Refer to the response to AG-KIUC 1-1.
- a. Provide a copy of Attachment 1 to the response in Excel workbook live format with all formulas intact.
 - b. Provide the net generating capacity factors and generating unit equivalent availability factors for each of the 5 generating units for each of the six-month periods in the two-year review period, each of the two-year periods in the two-year review period, and for the entire the two year period.
 - c. Refer to the generating unit equivalent availability factors in October 2022, which were 0.00% for each of the 5 generating units. Provide a detailed explanation for the 0.00% availability of each generating unit in that month.

RESPONSE

- a. and b. See KPCO_R_AG_KIUC_2_1_Attachment1 for the requested information.
- c. See KPCO_R_AG_KIUC_2_1_Attachment2 for detailed outage information for October 2022.

Witness: Douglas J. Rosenberger

Witness: David L. Mell

Witness: Robert A. Jessee

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AG-KIUC 2_2 Provide a copy of all studies, analyses, reports, and/or all other correspondence and documentation prepared or developed within the last three years that address the Company's strategy(ies) to operate and sell the output of its coal-fired and gas-fired generating units into the PJM markets, serve its native load, and earn margins on generation in excess of its native load requirements compared to idling its generating units and relying on purchased power to meet its native load requirements.

RESPONSE

The Company objects to the request as it is overly broad and unduly burdensome. Subject to and without waiving the objection, the Company understands the request is seeking the Company's daily process of energy market optimization which is carried out by the AEPSC commercial operations team with direction from the Company and other internal stakeholders in the process. Please refer to Company Witness Vaughan's Direct Testimony from page 3, line 9 through page 18, line 19. Please also see KPCO_R_AG_KIUC_2_2_ConfidentialAttachment1 for the responsive documents the Company has for this request.

Witness: Alex E. Vaughan

KPCO_R_AG_KIUC_2_2_ConfidentialAttachment1 has been redacted in its entirety.

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DATA REQUEST

AG-KIUC 2_3 Provide a list of the planned (maintenance and reserve shutdown) and forced outages for each of the Company's generating units in chronological order (scheduled and actual start date/time and end date/time end for the planned outages and actual start date/time and end date/time for the forced outages) by month during the two-year review period. Provide a description of the work performed during each outage and the extension of each planned outage and the reason(s) for and description of the work performed during each forced outage.

RESPONSE

See KPCO_R_AG_KIUC_2_3_Attachment1 for the requested information.

The definition for a Reserve Shutdown, an Event Type of RS¹, is when the unit is available for load but is not synchronized due to lack of demand. Therefore, if a unit is not selected for economic reasons and the Company decides to not designate that unit as 'Must Run', it is designated as RS. A Reserve Shutdown is not planned and is not included in the response to this question.

Witness: Douglas J. Rosenberger

Witness: David L. Mell

Witness: Robert A. Jessee

¹ 1Event Types are defined in the North American Electric Reliability Corporation Generating Availability Data System (GADS) Data Reporting Instructions, Section II – Event Reporting.

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DATA REQUEST

AG-KIUC 2_4 Refer to the request and response to Staff 1-31 in Case No. 2022-00263. Provide the same information for the other 18 months in the two-year review period.

RESPONSE

For ease of reference, below is the Commission Staff's data request 1-31 in Case No. 2022-00263:

In an Excel spreadsheet format with all formulas, columns, and rows unprotected and fully accessible, for the period under review and when the units are available to run,

- a. Provide the bid status (i.e. economic dispatch, must-run, etc.), by day, of Kentucky Power's coal generating units into PJM's day ahead market. Explain the reason for each bid status.
- b. Provide the price per MWH, by day, of Kentucky Power's generating units bid into PJM's day ahead market and the corresponding LMP indicating whether or not the unit cleared the market.
- c. In a separate spreadsheet Tab, provide a graphical representation of the information in part b. above.

Below is the Company's corresponding response to this data request, AG-KIUC 2-4.

- a. Please see KPCO_R_AG_KIUC_2_4_ConfidentialAttachment1 for the hourly commitment status of the Big Sandy and Mitchell generating units for the other 18 months in the two-year review period. The Company does not document the reason for the selection of each status but does document the reasons for selecting a MustRun commitment status for its coal-fired generating units. That information is provided in KPCO_R_AG_KIUC_2_4_ConfidentialAttachment2.
- b. Please see KPCO_R_AG_KIUC_2_4_ConfidentialAttachment3 for the Company's Day Ahead market offer curves submitted to PJM. Please see KPCO_R_AG_KIUC_2_4_ConfidentialAttachment4 for the energy cleared and the price earned in the Day Ahead market.

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c. The Company cannot provide the requested graphical representation because the Company's prices are submitted as an offer curve consisting of various segments that, in total, cover the range of each unit's output from economic minimum to economic maximum.

Witness: Alex E. Vaughan

KPCO_R_AG_KIUC_2_4_ConfidentialAttachment1 has been redacted in its entirety.

KPCO_R_AG_KIUC_2_4_ConfidentialAttachment2 has been redacted in its entirety.

KPCO_R_AG_KIUC_2_4_ConfidentialAttachment3 has been redacted in its entirety.

KPCO_R_AG_KIUC_2_4_ConfidentialAttachment4 has been redacted in its entirety.



Jessee Discovery Verification Form.doc

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E-Signature 1: Robert Jessee (RJ)
 December 08, 2023 06:14:08 -8:00 [2A409AB6BC23] [167.239.147.57]
 rajessee@aep.com (Principa) (Personally Known)

E-Signature Notary: Marilyn Michelle Caldwell (MMC)
 December 08, 2023 06:14:08 -8:00 [F417A21025E5] [167.239.221.105]
 mmcaldwell@aep.com
 I, Marilyn Michelle Caldwell, did witness the participants named above electronically sign this document.



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VERIFICATION

The undersigned, Robert A. Jessee, being duly sworn, deposes and says he is the Managing Director of Generating Assets for Indiana and Michigan, 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.

Robert Jessee

Robert A. Jessee

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 Robert A. Jessee, on December 8, 2023.

Marilyn Michelle Caldwell

Notary Public

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

Notary ID Number KYNP71841

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Mell Discovery Verification Form.doc

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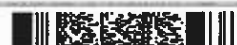
E-Signature Summary

E-Signature 1: David L Mell (DLM)

December 06, 2023 05:01:22 -8:00 [18879EED8B99] [167.239.221.106]
 dimell@aep.com (Principal) (Personally Known)

E-Signature Notary: Marilyn Michelle Caldwell (MMC)

December 06, 2023 05:01:22 -8:00 [C8C1C1331028] [167.239.221.101]
 mmcaldwell@aep.com
 I, Marilyn Michelle Caldwell, did witness the participants named above electronically sign this document.



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
Signed on 2023/12/06 09:41:01 EST

David L. Mell

_____)
_____)
_____)

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 December 6, 2023.

Marilyn Michelle Caldwell
Notary Public

MARILYNMICHELLE CALDWELL
ONLINE NOTARY PUBLIC
STATE AT LARGE: KENTUCKY
Commissbn # KYNP71841
My Commission Expires May 05, 2027

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My Commission Expires May 5, 2027

Notary ID Number KYNP71841

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Rosenberger Discovery Verification Form.doc

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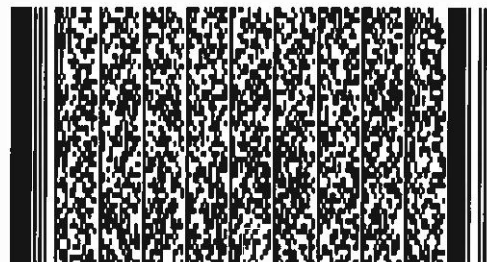
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E-Signature Summary

E-Signature 1: Douglas J Rosenberger (DJR)
 December 05, 2023 06:02:51 -8:00 [5A86107AFA84] [167.239.221.104]
 d.j.rosenberger@aep.com (Principal) (Personally Known)

E-Signature Notary: Marilyn Michelle Caldwell (MMC)
 December 05, 2023 06:02:51 -8:00 [CB78CB4CA4B] [167.239.221.106]
 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 December 5, 2023.

Marilyn Michelle Caldwell

Notary Public

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

Notarial act performed by audio-visual communication

My Commission Expires May 5, 2027

Notary ID Number KYNP71841

BCD474AC-F2FF-426A-A990-3F003BFAA0E2 ... 20231120 04:50:06 -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

Franklin County)
Ohio)

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 12/7/23.



Notary Public



My Commission Expires 5/4/2028

Notary ID Number 2018-RE-707303