Kentucky Power Company
KPSC Case No. 2024-00343
Commission Staff's First Set of Data Requests
Dated December 9, 2024

DATA REQUEST

KPSC 1_1 Refer to Kentucky Power's Application (Application).
a. Provide the anticipated journal entries for project completion including each fixed asset category that will be utilized.
b. Provide the expected annual depreciation amount. Include a breakdown of the costs by each component that reflects a different depreciation life and provide the National Association of Regulatory Utility Commissioners (NARUC) depreciable life for each component.
c. State when the first full year of depreciation is expected. Refer to the Application, page 8-10, the section titled "Financial Aspects of The Project".
d. Provide an itemized list of all estimated costs, including material and labor costs related to paragraphs 31(a) through (e).
e. Provide any estimate for the portion of the project that will fall within Ohio.

RESPONSE

a. When the Project is placed in service, the Company will record journal entries that credit FERC account 107 (Construction work in progress) and debit FERC account 106 (Completed construction not classified). Upon completion of the Project, the Company will complete the work orders, record journal entries that credit FERC account 106 (Completed construction not classified), and debit FERC account 101 (Electric plant in service). Please see KPCO_R_KPSC_1_1_Attachment1 for the FERC accounts expected to be charged with each work order that is being used to track the project.

b. Please see KPCO_R_KPSC_1_1_Attachment1 for the requested information.

c. Depreciation is calculated monthly and commences in the month following the asset(s) being placed in service. Therefore, a full year of depreciation will be accrued in the 12 months that follow the month that the assets are placed in service.

d. Please see KPCO_R_KPSC_1_1_Attachment2 for the requested information.

e. The estimated cost for the remote end work in Ohio is $844,000.

Witness: Daniel T. Barr

Witness: Tanner S. Wolffram

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DATA REQUEST

KPSC 1_2 Refer to Application, page 9, paragraph 33. Provide a detailed explanation describing the "other internally generated funds" that will be used to fund the project and any documentation supporting the explanation.

RESPONSE

Generally, "internally generated funds" are those received from customers for service provided by the Company. The statement in the application was meant to convey the Company would not issue new debt specifically for this Project. The Company, generally, issues debt to support the Company's overall financial condition. Given the many factors that impact the timing of construction, maintenance of, and modification or improvement to new and existing facilities, and associated capitalization (cash) needs, it is difficult to assign a specific debt issuance to a specific project. As such, the Company does not typically issue debt for specific projects.

Witness: Tanner S. Wolffram

Kentucky Power Company
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DATA REQUEST

KPSC 1_3 State the reasoning for funding the Project through operating cash flow and other internally generated funds, rather than an issuance of debt.

RESPONSE

Please see the Company's response to KPSC 1-2.

Witness: Tanner S. Wolffram

DATA REQUEST

KPSC 1_4 Refer to the Application, page 10, paragraph 36. Provide calculations and supporting documentation to justify the estimated annual operating cost of $40,000 for general maintenance and inspection.

RESPONSE

The Company based its estimate on the average maintenance cost at the Bellefonte Station over a five-year period, escalated for 2023 labor costs. The breakdown of the cost is as follows:

Item	Yearly Frequency	Item Cost	Additional Comments
Routine Station Inspections	6	$3,105.30	Performed on a bi-monthly schedule
Annual DC Supply Testing	1	$621.06	(3) systems in this yard. This includes the review and documentation of tests.
Annual Lawn Cutting around Station	8	$4,200.00	
Annual Weed Spraying	1	$1,400.00	
Annual PDM Scan of Station	1	$517.55	Infrared scanning of station. Includes performing the scan at the station as well creating and documenting report.
External CB Inspections	0.8	$5,060.50	
Complete CB Inspections	1.4	$4,361.25	
Transformer Minor Maintenance	0.2	$4,615.66	
Yearly Misc Corrective Call Outs	7.2	$2,981.08	36 in total in the past five years reaching from Relay Setting Changes, Low Nitrogen on Transformers, LTC operational issues, Circuit Breaker Malfunctions, Low SF6 Gas on Circuit Breakers.
Yearly Misc Station Repairs		$10,000-$13,000	Entrance repair, fence repairs, and general unplanned O&M.

Witness: Tanner S. Wolffram

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DATA REQUEST

KPSC 1_5 Refer to the Application, page 13, paragraph 54, under the section titled "Commencement of Work and Anticipated In-Service Date." Provide an expanded timeline for the project and estimated costs per quarter for each stage of construction.

RESPONSE

Please see the table below for the estimated costs per quarter for the Project.

Cash Flow Summary	Cost to Date + 2024 Remaining	2025				2026			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	$ 524,401	$ 1,529,914	$ 638,495	$ 3,479,235	$ 14,826,398	$ 5,111,635	$ 98,097	$ 53,165	$ 31,050

Phase one of construction is scheduled to take place during 2025:

- Q1-Q2 2025 work is estimated to include:
  - Bellefonte Station Removal
  - 69kV baseline work at Bellefonte Station
  - 69kV supplemental work at Bellefonte Station
  - Bellefonte-A.K. Steel 69kV structure removal
  - Relocation of Ashland Structure #AB-105
- Q3-Q4 2025 work is estimated to include:
  - Coalton Remote End Work
  - Continuing 69kV baseline work at Bellefonte Station
  - Continuing 69kV supplemental work at Bellefonte Station
  - Replacement of 69/138kV bus tie at Bellefonte Station

Phase two of construction is scheduled to take during 2026:

- Q1-Q2 2026 work is estimated to include:
  - Pleasant Street Remote End Work
  - Raceland Remote End Work
  - 138kV baseline work at Bellefonte Station
- Q3-Q4 2026 work will include:
  - 138kV supplemental work at Bellefonte Station

Witness: Daniel T. Barr

Kentucky Power Company
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DATA REQUEST

KPSC 1_6 Provide an estimated income statement for the Project after it has been put in service.

RESPONSE

The Company's income statements are based on FERC accounts. Projects could span multiple accounts and hit different sections of the income statement, i.e. expense and depreciation (once in service). As such, the Company does not prepare financial statements specific to projects; instead, the Company prepares financial statements on total company basis, which would include all projects placed in service for Kentucky Power.

Witness: Tanner S. Wolffram

Kentucky Power Company
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DATA REQUEST

KPSC 1_7 Explain why Kentucky Power considered only one project alternative.

RESPONSE

For most projects, many alternatives to address the identified needs are considered early on and dismissed outright for various reasons, including but not limited to cost and engineering executability. The Company initially evaluated many alternatives at a high level for the Project but, after considering those various alternatives, there was only one alternative that the Company could viably construct to address the baseline and supplemental needs of the Project. As such, the Company included in its application the only appropriate alternative.

Witness: Nicolas C. Koehler

Witness: Daniel T. Barr

Kentucky Power Company
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DATA REQUEST

KPSC 1_8 Refer to Application and the following quotes used in reference to the Bellefonte station project: "complex and tightly compact" and "maintenance and any construction in its current configuration more difficult, expensive, and complex." Explain whether the proposed project will address the current configuration, include specific examples of how this project will improve the current configuration of the Bellefonte station.

RESPONSE

The Project involves expanding the existing footprint of the Station which creates more space for access and maneuvering of construction/maintenance equipment within the station fence. The two separate control houses that currently obstruct access within the Station are being consolidated into a single building within the expanded Station footprint, which removes the existing houses as obstructions. The Project also involves retiring large and no longer necessary transformers which removes them as obstructions. Please also see the maps and drawings provided in response to KPSC 1-20, which demonstrate these issues.

Witness: Daniel T. Barr

Kentucky Power Company
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DATA REQUEST

KPSC 1_9 Refer to Application, page 8, paragraph 30. State who will own the portion of the project in Ohio and confirm the point at which ownership interest transfers.

RESPONSE

The asset is currently owned by Ohio Power and would continue to be owned by Ohio Power.

Witness: Tanner S. Wolffram

Kentucky Power Company
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Dated December 9, 2024

DATA REQUEST

KPSC 1_10 Explain the delay in the filing of the application between the PJM approval, the year 2022, and the application date the date of the filing of this application.

RESPONSE

There has not been a delay in the Application, the Application was made once the Company had sufficiently vetted the estimates and engineering scope of the Project. Information shared with PJM in 2022 was conceptual, and since the Project was approved in 2022 as part of the PJM process, the Company worked to develop detailed scopes, estimates, and schedules for the Project. This work has been continuous since 2022 and led to the detailed estimates and engineering of both the Project and the project alternative.

Witness: Nicolas C. Koehler

Witness: Tanner S. Wolffram

Kentucky Power Company
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DATA REQUEST

KPSC 1_11 Refer to the Direct Testimony of Daniel Barr (Barr Direct Testimony), page 2, lines 18–19 and page 3, lines 1–2. Explain what Kentucky Power intends to do with the retired 34.5 kV yard facilities.

RESPONSE

The Company will hold and continue to own the property for potential future utility use. All equipment in the yard will be removed and disposed of.

Witness: Tanner S. Wolffram

Kentucky Power Company
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DATA REQUEST

KPSC 1_12 Refer to Barr Direct Testimony, page 3, lines 9–10. Provide the specific details as to why the Station's 69 kV underground power cables' ampacity does not meet the necessary electric current rating requirements.

RESPONSE

The size of the conductive element is not large enough to provide the required ampacity based on the transformers' size. The existing cables would limit the transformers' capabilities.

Witness: Daniel T. Barr

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DATA REQUEST

KPSC 1_13 Refer to Barr Direct Testimony, page 4, lines 6–8.
a. Provide the number of times the 34 kV yard as well as its supporting equipment located in the 138/69 kV yard has experienced flooding for the years 2019 through November 2024.
b. Explain what Kentucky Power intends to do with this area and its supporting equipment upon retirement. Include in the explanation a list of any accounting adjustments that will be made.

RESPONSE

a. Neither the 34.5kV yard nor the associated equipment in the 138/69kV yard is known to have experienced flooding during the specified timeframe. The 34.5kV yard is in the FEMA designated 100-year floodplain which means that each year it has a 1% chance of experiencing flooding.

b. Please see the Company's response to KPSC 1-11. For accounting purposes, the Company follows FERC Electric Plant instruction 10.B.(2) when retiring its assets and no accounting adjustments are expected.

Witness: Daniel T. Barr

Witness: Tanner S. Wolffram

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DATA REQUEST

KPSC 1_14 Refer to Barr Direct Testimony, page 4, lines 21–23 and page 5, lines 1–2. Explain how the reuse or consolidation of the items will impact the useful life of the item. Address each item mentioned in the testimony individually in this response.

RESPONSE

The remaining useful life of the CCVT at Raceland Station and the Box Bay at Bellefonte Station will not be impacted by reusing the equipment. Specifically with regards to this Project, reusing the equipment is a more cost-effective way to address the needs identified in the Application. The consolidated control houses are being retired so they will not be in use anymore.

Witness: Daniel T. Barr

Kentucky Power Company
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DATA REQUEST

KPSC 1_15 For the years 2019 through November 2024, provide a list of the outages and length of each outage resulting from the Bellefonte Station and its associated facilities.

RESPONSE

There have not been any outages caused by equipment located at Bellefonte Station during time period specified. Regardless, the Project is necessary to address baseline and supplemental needs that were identified by the Company and PJM. Please see KPCO_R_KPSC_1_15_Attachment1 for the requested outages on the associated facilities emanating from Bellefonte station. Note that all outages with a 0 hour duration are momentary outages that lasted less than one minute.

Witness: Nicolas C. Koehler

The following assets had no recorded forced outages from 01/01/2019 – 11/30/2024:

- Bellefonte – Oxygen Plant 138kV Circuit
- Armco – Bellefonte No. 2 34.5kV Circuit
- Bellefonte 138/69kV Station
- Bellefonte 34kV Station
- Bellefonte 138kV, Xfmr 2 – Bellefonte 69kV, UG
- Bellefonte 138kV, Xfmr 5 – Bellefonte 69kV, OHD
- Bellefonte 138kV, Xfmr 1 – Bellefonte 34kV, Bus 2
- Bellefonte 138kV, Xfmr 2 – Bellefonte 34kV, Bus 3
- Bellefonte 138kV, Xfmr 5 – Bellefonte 34kV, Bus 1

Circuit Outage Cause Summary

Bellefonte – East Wheelersburg 138kV Circuit (01/01/2019 – 11/30/2024)

Date	Cause	Duration (Hours)
6/02/19	Lightning	0
6/02/19	Lightning	0
8/10/21	Unknown	0.17
8/13/21	Lightning	0
9/08/21	Unknown	0.25
6/03/23	Vegetation Grow-in (Inside ROW)	5.95
6/24/23	Vegetation Grow-in (Inside ROW)	90.83

Circuit Outage Cause Summary

Bellefonte – North Proctorville 138kV Circuit (01/01/2019 – 11/30/2024)

Date	Cause	Duration (Hours)
4/30/19	Unknown	0
7/29/21	Lightning	0
8/13/21	Lightning	0
9/08/21	Lightning	0

Circuit Outage Cause Summary

Bellefonte – Chadwick 138kV Circuit (01/01/2019 – 11/16/2021)

Date	Cause	Duration (Hours)
8/07/19	Lightning	0
6/30/21	Lightning	0

Circuit Outage Cause Summary

Bellefonte – Chadwick No. 1 138kV Circuit (11/17/2021 – 11/30/2024)

Date	Cause	Duration (Hours)
7/18/23	Lightning	0

Circuit Outage Cause Summary

Bellefonte – Grangston 138kV Circuit (01/01/2019 – 11/16/2021)

Date	Cause	Duration (Hours)
2/06/19	Lightning	0
8/07/19	Lightning	0
12/8/19	Unknown	21.22
3/09/21	Failed AC Substation Equipment - Arrester	6.20

Circuit Outage Cause Summary

Bellefonte – Chadwick No. 2 138kV Circuit (11/17/2021 – 11/30/2024)

Date	Cause	Duration (Hours)
4/01/23	Lightning	0

Circuit Outage Cause Summary

Ashland – Bellefonte 69kV Circuit (01/01/2019 – 11/30/2024)

Date	Cause	Duration (Hours)
2/28/21	Human Error – Incorrect Physical Execution	1.77
6/30/21	Unknown	514.48
11/22/22	Unknown	0
8/02/24	Lightning	0

Circuit Outage Cause Summary

Air Products – Bellefonte 69kV Circuit (01/01/2019 – 11/30/2024)

Date	Cause	Duration (Hours)
2/24/19	Failed AC Circuit Equipment - Conductor	2.02

Circuit Outage Cause Summary

Bellefonte – Coalton 69kV Circuit (01/01/2019 – 11/30/2024)

Date	Cause	Duration (Hours)
6/28/19	Lightning	0
4/09/20	Lightning	0
2/11/21	Snow	0
2/11/21	Snow	0
2/11/21	Vegetation Fall-in (Outside ROW)	14.33
2/15/21	Snow	0
3/25/23	Wind	0
3/25/23	Wind	0
3/25/23	Failed AC Circuit Equipment - Pole/Structure/Tower	68.45
4/11/24	Power System Condition - Instability	1.52

Circuit Outage
Cause Summary

Bellefonte – South Point No. 1 69kV Circuit
(01/01/2019 – 11/30/2024)

Date	Cause	Duration (Hours)	Date	Cause	Duration (Hours)
2/27/19	Unknown	0	7/22/20	Failed AC Circuit Equipment – Splice	0
5/07/19	Unknown	0	7/22/20	Lightning	0
5/17/19	Vegetation Fall-in (Outside ROW)	6.62	7/23/20	Failed AC Circuit Equipment – Splice	433.57
6/08/19	Unknown	0	2/11/21	Snow	0
6/08/19	Unknown	0	2/16/21	Vegetation Fall-in (Outside ROW)	42.63
6/08/19	Vegetation Fall-in (Outside ROW)	4.17	3/30/21	Unknown	0
6/16/19	Lightning	0	7/11/21	Lightning	0
6/28/19	Unknown	0.07	8/13/21	Lightning	0
9/02/19	Unknown	0	1/28/23	Unknown	2.97
10/17/19	Vegetation Fall-in (Outside ROW)	21.47	3/25/23	Wind	0
4/09/20	Failed AC Circuit Equipment - Crossarm	18.47	6/25/23	Lightning	0
4/26/20	Lightning	0	7/13/23	Unknown	0.20
4/28/20	Lightning	0	8/10/23	Vegetation Fall-in (Outside ROW)	12.78
4/28/20	Wind	0	4/02/24	Failed AC Circuit Equipment - Pole/Structure/Tower	360.57
4/29/20	Foreign Interference - Machinery	3.50	7/02/24	Vegetation Fall-in (Outside ROW)	0
5/21/20	Lightning	0	9/28/24	Weather, excluding lightning – Other Weather	0
7/22/20	Human Error – Incorrect Physical Execution	0.22			

Circuit Outage Cause Summary

Bellefonte – Raceland 69kV Circuit (01/01/2019 – 11/30/2024)

Date	Cause	Duration (Hours)
2/24/19	Wind	0
2/24/19	Failed AC Circuit Equipment - Conductor	335.40
10/17/19	Unknown	0
6/10/20	Vegetation Fall-in (Outside ROW)	9.15
6/11/20	Foreign Interference - Other Utility/Distributor Equipment	0
8/22/20	Lightning	0
9/30/24	Vegetation Fall-in (Outside ROW)	0
9/30/24	Lightning	0

Circuit Outage Cause Summary

Bellefonte – Pleasant Street 69kV Circuit (01/01/2019 – 11/30/2024)

Date	Cause	Duration (Hours)
11/25/21	Unknown	0
10/27/24	Unknown	0

Circuit Outage
Cause Summary

Bellefonte – South Point No. 2 69kV Circuit
(01/01/2019 – 11/30/2024)

Date	Cause	Duration (Hours)	Date	Cause	Duration (Hours)
1/11/20	Wind	0.07	3/25/23	Failed AC Circuit Equipment - Pole/Structure/Tower	10.27
4/09/20	Failed AC Circuit Equipment - Crossarm	12.22	3/25/23	Wind	0
7/22/20	Human Error – Incorrect Physical Execution	0.20	3/25/23	Wind	0
2/16/21	Snow	14.52	3/25/23	Wind	0
2/18/21	Ice/Sleet	28.20	4/01/23	Wind	0
2/20/21	Ice/Sleet	93.27	4/01/23	Wind	0
5/09/21	Lightning	0	2/28/24	Lightning	0
6/17/22	Lightning	0	2/28/24	Lightning	0
9/26/22	Unknown	0	4/02/24	Unknown	26.80
1/28/23	Unknown	2.98	9/27/24	Lightning	0
3/03/23	Unknown	15.90	9/27/24	Vegetation Fall-in (Outside ROW)	24.52
3/25/23	Wind	0			

Circuit Outage Cause Summary

Armco – Bellefonte No. 1 34.5kV Circuit (01/01/2019 – 11/30/2024)

Date	Cause	Duration (Hours)
6/10/22	Lightning	0

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DATA REQUEST

KPSC 1_16 For the years 2019 through November 2024, provide the number of voltage violations resulting from the Bellefonte station and its associated facilities.

RESPONSE

Please see response to KPSC 1-15 for a list of outages from 2019 to 2024. Voltage violations are planning-defined events that are relevant to projected planning criteria and not actual operational events. Please note that the criteria violations identified as part of the need for this Project are not voltage criteria violations. The proposed Project was approved by PJM to prevent the thermal violations from occurring under expected 2026 conditions.

Witness: Nicolas C. Koehler

Kentucky Power Company
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DATA REQUEST

KPSC 1_17 Refer to the Direct Testimony of Nicholas Koehler (Koehler Direct Testimony), page 4, line 2. Explain and provide specific examples of what is meant by "overdutied by 115%." Including but not limited to outages or limits exceeded by date and time for the period 2019 to November 2024.

RESPONSE

An overdutied breaker means the available fault current exceeds the fault current rating of the breaker in certain conditions. The overdutied circuit breaker(s) scenario is a possibility given current system conditions. An overdutied circuit breaker is a concern, as it means that the circuit breaker may not have the capability to operate properly given the system conditions. It is undersized, and when attempting to operate, it could catastrophically fail, causing additional equipment to operate in order to isolate the now larger fault. Overduty breaker analysis is performed by Planning for expected future conditions on the system to identify potential overdutied breakers that then need replaced to prevent failures as described. The actual expected real-time interrupting requirements are not tracked by the Company. Please see the Company's response to KPSC 1-15 for the outages at the Station and associated facilities.

Witness: Nicolas C. Koehler

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DATA REQUEST

KPSC 1_18 Refer to Koehler Direct Testimony, page 4, lines 17–18. Explain whether this statement references any of the projects to be located outside of the boundaries of the Bellefonte Station. If not, explain what projects may be expected.

RESPONSE

The Company is not currently anticipating any future planned projects at Bellefonte Station or the facilities associated with that Station.

Witness: Nicolas C. Koehler

Kentucky Power Company
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DATA REQUEST

KPSC 1_19 Provide an itemized list of the costs included in the Alternative Project's expense.

RESPONSE

Please see KPCO_R_KPSC_1_1_Attachment2 for the requested information. Please note the Company filed errata to the testimony of Nicholas Koehler and Daniel Barr to correct the estimated costs of the Project Alternative on December 19th.

Witness: Daniel T. Barr

Kentucky Power Company
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DATA REQUEST

KPSC 1_20 Provide a rendering of the Bellefonte Station and associated facilities generally and then, a separate individual rendering for each item, include the following:
a. Identify the area for the proposed expansion.
b. Identify the items and areas to proposed to be retired.
c. Identify the transmission line that will have to be relocated outside of the Bellefonte Station.
d. Identify the seven transmission lines that would have to be moved as proposed in the alternative project.
e. Provide a final proposed project layout of the entirety of the facilities.

RESPONSE

a. Please see KPCO_R_KPSC_1_20_Attachment1.

b. Please see KPCO_R_KPSC_1_20_Attachment2.

c. Please see KPCO_R_KPSC_1_20_Attachment3.

d. Please see KPCO_R_KPSC_1_20_Attachment4.

e. Please see KPCO_R_KPSC_1_20_Attachment3.

Witness: Daniel T. Barr

####

Question 20 Part a.
Expansion Area

N

Legend
Existing Station
Station Expansion
T-Line

CM 1 2 3 4 5 6 7
3/16 INCH 4 8 12 16
TENTHS 10 20 30
INCHES 1 2 3

OLD DWG:	REV:	STD DWG:	REV:

KENTUCKY POWER
An AEP Company

KYPCO
BELLEFONTE

SITE PREP PLAN

SCALE: 1:40	VOLTAGE: 69
INTERNAL REF: #	DWG
	REV 0

ENERGY DELIVERY AEP D (24 x 36)

Q:\Employees\Logan McKinney\Projects\Bellefonte\KY Filing\Bellefonte Station Expansion\Option2_07192023.dwg
BY: LOGAN K MCKINNEY
AT: 3:10:13 PM
PLOTTED DATE: 12/12/2024

####

OLD DWG:	REV:	STD DWG:	REV:

KENTUCKY POWER
An AEP Company

KYPCO

BELLEFONTE

SITE PREP PLAN

SCALE: 1:60	VOLTAGE: 69
INTERNAL REF: #	DWG REV: 0

CM 1 2 3 4 5 6 7 | 3/16 INCH 4 8 12 16 | TENTHS 10 20 30 | INCHES 1 2 3

ENERGY DELIVERY

AEP D (24 x 36)

Q:\Employees\Logan McKinney\Projects\Bellefonte\KY Filing\Bellefonte Station Expansion\Option2_07192023.dwg

PLOTTED DATE: 12/12/2024 AT: 3:46:58 PM BY: LOGAN K MCKINNEY

####

Question 20 Part e.
Final configuration of facilities

Question 20 Part c.
Guy wire poles to be relocated

N

Legend
Existing Station
Station Expansion
T-Line

CM 1 2 3 4 5 6 7
3/16 INCH 4 8 12 16
TENTHS 10 20 30
INCHES 1 2 3

OLD DWG: REV: STD DWG: REV:

KENTUCKY POWER
An AEP Company

KYPCO
BELLEFONTE
SITE PREP PLAN

SCALE: 1:60 VOLTAGE: 69
INTERNAL REF: DWG REV 0

ENERGY DELIVERY AEP D (24 x 36)

Q:\Employees\Logan.McKinney\Projects\Bellefonte\KY Filing\Bellefonte Station Site Civil Removal Maps.dwg
BY: LOGAN K MCKINNEY
AT: 3:28:26 PM
PLOTTED DATE: 12/12/2024

QUESTION #20
Part d.

IRONTON - BELLEFONTE (KY) 69KV LINE
BELLEFONTE - PLEASANT STREET 69KV CIRCUIT
BELLEFONTE - RACELAND 69KV LINE
BELLEFONTE - SOUTH POINT NO. 2 69KV CIRCUIT
PROPOSED NEW 69KV YARD 200' X 330'
BELLEFONTE - RACELAND 69KV CIRCUIT
US HWY 23
BELLEFONTE - RACELAND 69KV LINE
IRONTON - GRAYSON (KY) 69KV LINE
BELLEFONTE 69KV/138KV BUS TIE
BELLEFONTE 138KV TR3 - BELLEFONTE 69KV BUS 2
ASHLAND - BELLEFONTE 69KV LINE
BELLEFONTE 138KV TR4 - BELLEFONTE 69KV BUS 1
BELLEFONTE - COALTON 69KV LINE
BELLEFONTE - SOUTH POINT NO.1 69KV CIRCUIT
BELLEFONTE - COALTON 69KV CIRCUIT
BELLEFONTE 69KV YARD
BELLEFONTE - COALTON 69KV LINE
BELLEFONTE - AIR PRODUCTS 69KV LINE
BELLEFONTE 138KV YARD
ASHLAND - BELLEFONTE 69KV LINE
BELLEFONTE - AIR PRODUCTS 69KV CIRCUIT
ASHLAND - BELLEFONTE 69KV CIRCUIT

Legend
- Existing Centerline or Station Layout
- Line Removals
- Line Installs or Proposed Station Layout
- Circuits
- GIS Parcels
- PROPOSED STRUCTURES

N

0 75 150 225 300 Feet

REV	REVISION DESCRIPTION	DATE	BY

STATE OF KENTUCKY
BOYD COUNTY

KENTUCKY POWER
An AEP Company
BOUNDLESS ENERGY

ENG BY: SHK	CHKD BY: APF		
DRN BY: JTT	APP BY: SHK		
DATE: 12/11/2024	R/W MAP NO. :		

KENTUCKY POWER COMPANY
Bellefonte Station – Alternate Solution
PROJECT ALTERNATIVE

EQUIP:
DWG:
SHEET: 1 REV: 0

Kentucky Power Company
KPSC Case No. 2024-00343
Commission Staff's First Set of Data Requests
Dated December 9, 2024

DATA REQUEST

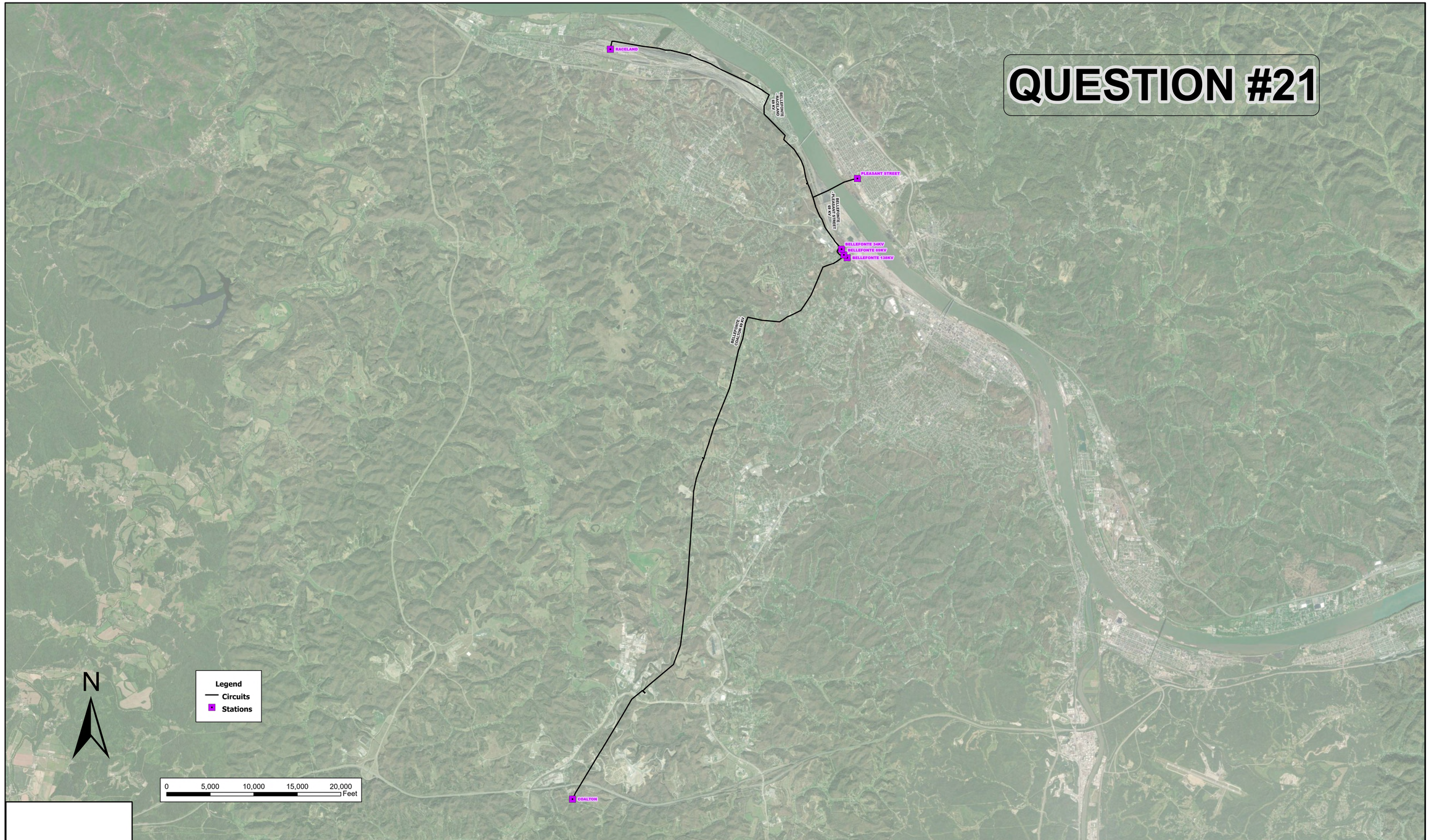
KPSC 1_21 Provide a map of each of the proposed associated projects located outside of the Bellefonte Station, including how the project connects back to the Station.

RESPONSE

Please see KPCO_R_KPSC_1_21_Attachment1.

Witness: Daniel T. Barr

QUESTION #21



REV	REVISION DESCRIPTION	DATE	BY

KENTUCKY POWER
An AEP Company
BOUNDLESS ENERGY™

ENG BY: SHK	CHKD BY: NB	
DRN BY: JTT	APP BY: SHK	
DATE: 12/11/2024	R/W MAP NO. :	

KENTUCKY POWER COMPANY
Bellefonte Project
PROJECT ALTERNATIVE - LARGE OVERVIEW MAP

EQUIP:
DWG:
SHEET: 1 REV: 0

VERIFICATION

The undersigned, Daniel T. Barr, being duly sworn, deposes and says he is the Planning and Engineering Supervisor 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.

Signed by:
Daniel T. Barr
90C83863C27B4BC...
Daniel T. Barr

KY
_____)
) Case No. 2024-00343
Kentucky
_____)

Subscribed and sworn to before me, a Notary Public in and before said County and State, by Daniel T. Barr, on 12/18/2024 | 9:34 AM EST.

Signed by:
Michelle Caldwell
E9B1BC7AC31F421...
Notary Public

MARILYN MICHELLE CALDWELL
ONLINE NOTARY PUBLIC
COMMONWEALTH OF KENTUCKY
Commission #KYNP71841
My Commission Expires 5/5/2027

My Commission Expires 05/05/2027

Notary ID Number KYNP71841

Certificate Of Completion

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Source Envelope:
Document Pages: 2
Signatures: 4
Envelope Originator:
Certificate Pages: 5
Initials: 0
Michelle Caldwell
AutoNav: Enabled
mmcaldwell@aep.com
EnvelopeId Stamping: Disabled
IP Address: 167.239.221.104
Time Zone: (UTC-08:00) Pacific Time (US & Canada)

Record Tracking

Status: Original
12/12/2024 3:10:59 PM
Holder: Michelle Caldwell
mmcaldwell@aep.com
Location: DocuSign

Signer Events	Signature	Timestamp
Daniel T. Barr dtbarr@aep.com Security Level: Notarized Signing (Notary: Michelle Caldwell)	Signed by: Daniel T. Barr 90C83863C27B4BC... Signature Adoption: Pre-selected Style Using IP Address: 167.239.221.104	Sent: 12/12/2024 3:13:52 PM Viewed: 12/18/2024 9:33:20 AM Signed: 12/18/2024 9:34:01 AM

Electronic Record and Signature Disclosure:
Accepted: 12/18/2024 9:33:20 AM
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Editor Delivery Events	Status	Timestamp

Agent Delivery Events	Status	Timestamp

Intermediary Delivery Events	Status	Timestamp

Certified Delivery Events	Status	Timestamp

Carbon Copy Events	Status	Timestamp

Witness Events	Signature	Timestamp

Notary Events	Signature	Timestamp
Michelle Caldwell mmcaldwell@aep.com Regulatory Case Coordinator AEP Kentucky Power Notary for Daniel T. Barr (dtbarr@aep.com) Security Level: Email, Account Authentication (Required), Digital Certificate **Signature Provider Details:** Signature Type: DS Authority IDV (Client ID: c171dfd7-d7e5-4793-b1bf-4d660787eaa0) Signature Issuer: DocuSign Cloud Signing CA-Identity **Electronic Record and Signature Disclosure:** Not Offered via DocuSign	MARILYN MICHELLE CALDWELL ONLINE NOTARY PUBLIC COMMONWEALTH OF KENTUCKY Commission #KYNP71841 My Commission Expires 5/5/2027 Using IP Address: 167.239.221.107 Signature Provider Location: https://ssasign.docusign.net/sca/1940	Sent: 12/12/2024 3:13:53 PM Viewed: 12/18/2024 9:33:14 AM Signed: 12/18/2024 9:34:26 AM

Envelope Summary Events	Status	Timestamps

Envelope Summary Events	Status	Timestamps
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Signing Complete	Security Checked	12/18/2024 9:34:26 AM
Completed	Security Checked	12/18/2024 9:34:26 AM

Payment Events	Status	Timestamps

Electronic Record and Signature Disclosure

VERIFICATION

The undersigned, Nicolas C. Koehler, being duly sworn, deposes and says he is the Director of East Transmission Planning for American Electric Power, 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.

Signed by:
Nicolas C Koehler
9F945585A25A414...
Nicolas C. Koehler

Commonwealth of Kentucky)
) Case No. 2024-00343
County of Boyd)

Subscribed and sworn to before me, a Notary Public in and before said County and State, by Nicolas C. Koehler, on 12/16/2024 | 9:48 AM EST.

Signed by:
Michelle Caldwell
E9B1BC7AC31F421...
Notary Public

MARILYN MICHELLE CALDWELL
ONLINE NOTARY PUBLIC
COMMONWEALTH OF KENTUCKY
Commission #KYNP71841
My Commission Expires 5/5/2027

My Commission Expires 05/05/2027

Notary ID Number KYNP71841

Certificate Of Completion

Envelope Id: DE0E9724C50B4960BA269796CF26CCB4
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Source Envelope:
Document Pages: 1
Signatures: 2
Envelope Originator:
Certificate Pages: 5
Initials: 0
Michelle Caldwell
AutoNav: Enabled
mmcaldwell@aep.com
EnvelopeId Stamping: Disabled
IP Address: 167.239.221.104
Time Zone: (UTC-08:00) Pacific Time (US & Canada)

Record Tracking

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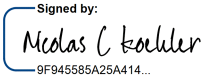
Holder: Michelle Caldwell
mmcaldwell@aep.com
Location: DocuSign

Signer Events	Signature	Timestamp
Nicolas C Koehler nckoehler@aep.com Security Level: Notarized Signing (Notary: Michelle Caldwell)	Signed by:  9F945585A25A414... Signature Adoption: Pre-selected Style Using IP Address: 167.239.221.104	Sent: 12/12/2024 2:25:53 PM Viewed: 12/16/2024 9:47:14 AM Signed: 12/16/2024 9:48:06 AM

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Editor Delivery Events	Status	Timestamp

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Intermediary Delivery Events	Status	Timestamp

Certified Delivery Events	Status	Timestamp

Carbon Copy Events	Status	Timestamp

Witness Events	Signature	Timestamp

Notary Events	Signature	Timestamp
Michelle Caldwell mmcaldwell@aep.com Regulatory Case Coordinator AEP Kentucky Power Notary for Nicolas C Koehler (nckoehler@aep.com) Security Level: Email, Account Authentication (Required), Digital Certificate **Signature Provider Details:** Signature Type: DS Authority IDV (Client ID: c171dfd7-d7e5-4793-b1bf-4d660787eaa0) Signature Issuer: DocuSign Cloud Signing CA-Identity **Electronic Record and Signature Disclosure:** Not Offered via DocuSign	MARILYN MICHELLE CALDWELL ONLINE NOTARY PUBLIC COMMONWEALTH OF KENTUCKY Commission #KYNP71841 My Commission Expires 5/5/2027 Using IP Address: 167.239.221.102 Signature Provider Location: https://ssasign.docusign.net/sca/1940	Sent: 12/12/2024 2:25:54 PM Viewed: 12/16/2024 9:47:07 AM Signed: 12/16/2024 9:48:21 AM

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Completed	Security Checked	12/16/2024 9:48:21 AM

Payment Events	Status	Timestamps

Electronic Record and Signature Disclosure

VERIFICATION

The undersigned, Tanner S. Wolffram, being duly sworn, deposes and says he is the Director of Regulatory Services for Kentucky Power, 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.

Tanner S. Wolffram

Commonwealth of Kentucky)
) Case No. 2024-00343
County of Boyd)

Subscribed and sworn to before me, a Notary Public in and before said County and State, by Tanner S. Wolffram, on December 17, 2024.

Marilyn Michelle Caldwell
Notary Public

MARILYN MICHELLE CALDWELL
Notary Public
Commonwealth of Kentucky
Commission Number KYNP71841
My Commission Expires May 5, 2027

My Commission Expires May 5, 2027

Notary ID Number KYNP71841