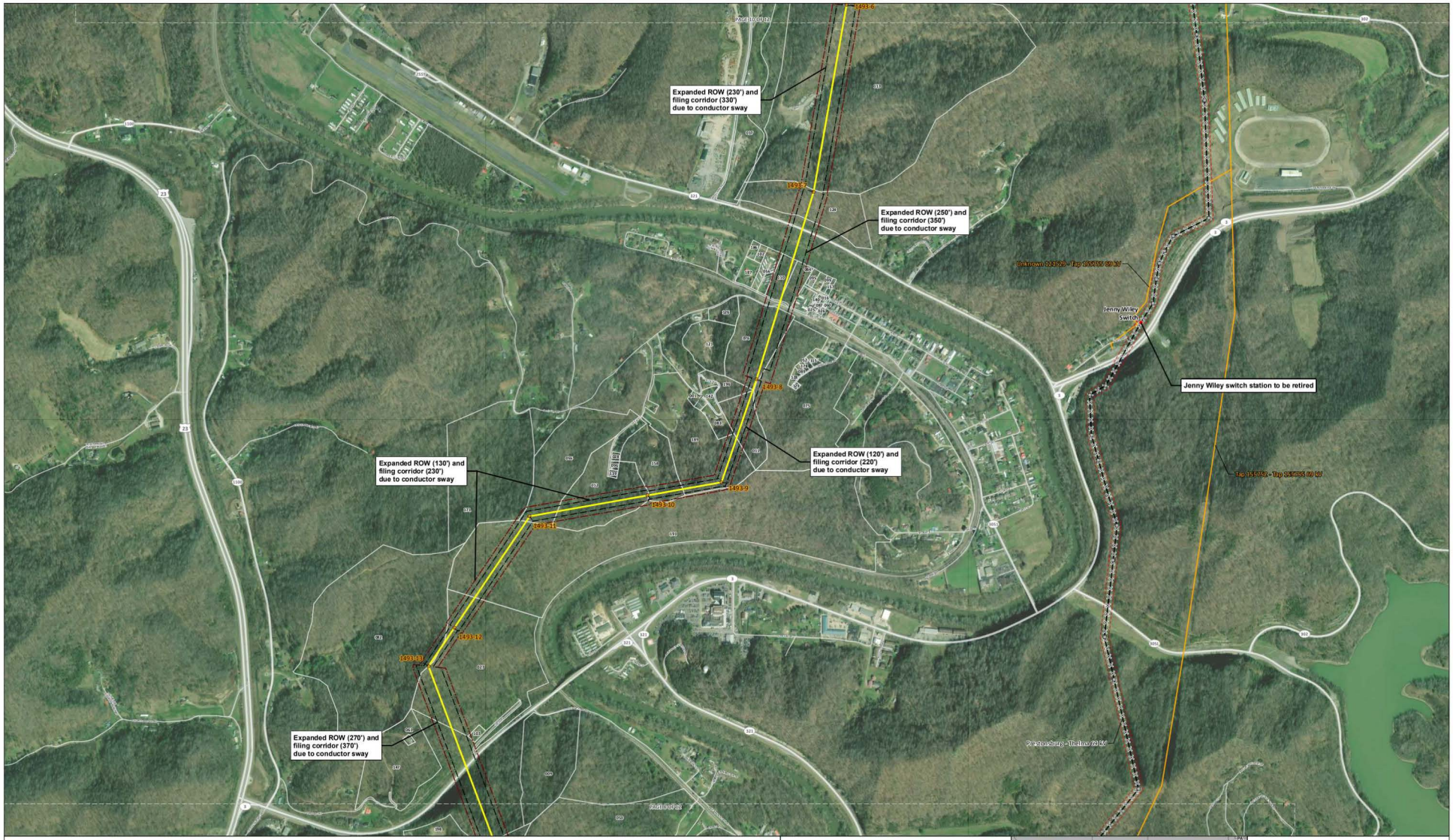

- Proposed Structure
- Structure to be Removed (AEP)
- Existing AEP Substation
- Switch Station to be Retired (AEP)
- Proposed Route [1]
- Existing Transmission Line to be Removed
- Non-AEP Transmission Line
- Highway
- Local Road
- Proposed 100-foot ROW [2]
- Proposed 200-foot Filing Corridor [3]
- Existing ROW (AEP)
- Property Line Boundary with AEP Landowner ID [3]
- Map Tile

1) Transmission line route is preliminary and subject to change. Final line route and structure locations will be determined during final engineering, which includes ground surveys and geotechnical and environmental studies.

2) A typical 100-foot-wide right-of-way will generally be sited within an approximately 200-foot-wide corridor. The Company needs the flexibility to shift the centerline no more than 100 feet in either direction from the centerline as necessary after completion of final engineering, ground surveys, and additional discussions with landowners. In 23 locations, the filing corridor is expanded to no more than 380 feet due to conductor sway.

3) The PVA parcels are not based on an accurate ground survey and should not be construed or used as exact descriptions of legal boundaries.

KENTUCKY POWER
An AEP Company

Sheet 3 of 6

Johnson and Floyd Counties, Kentucky

1 inch = 500 feet
when printed at 24x36

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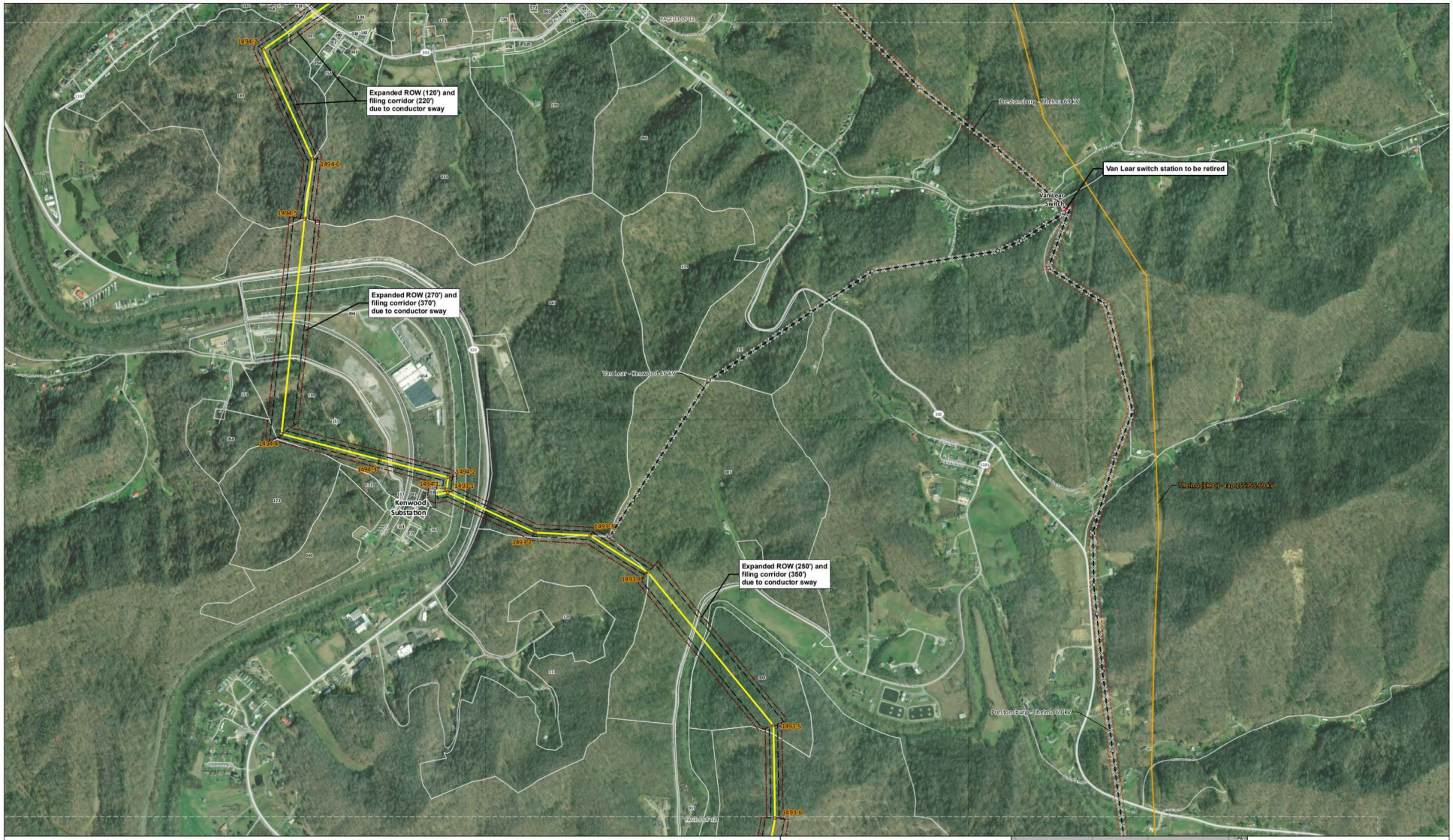
Feet

January 28, 2026

Exhibit 4: Proposed Route

Prestonsburg - Thelma Transmission Line Rebuild Project



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KENTUCKY POWER
An AEP Company

Sheet 4 of 6

Johnson and Floyd Counties, Kentucky

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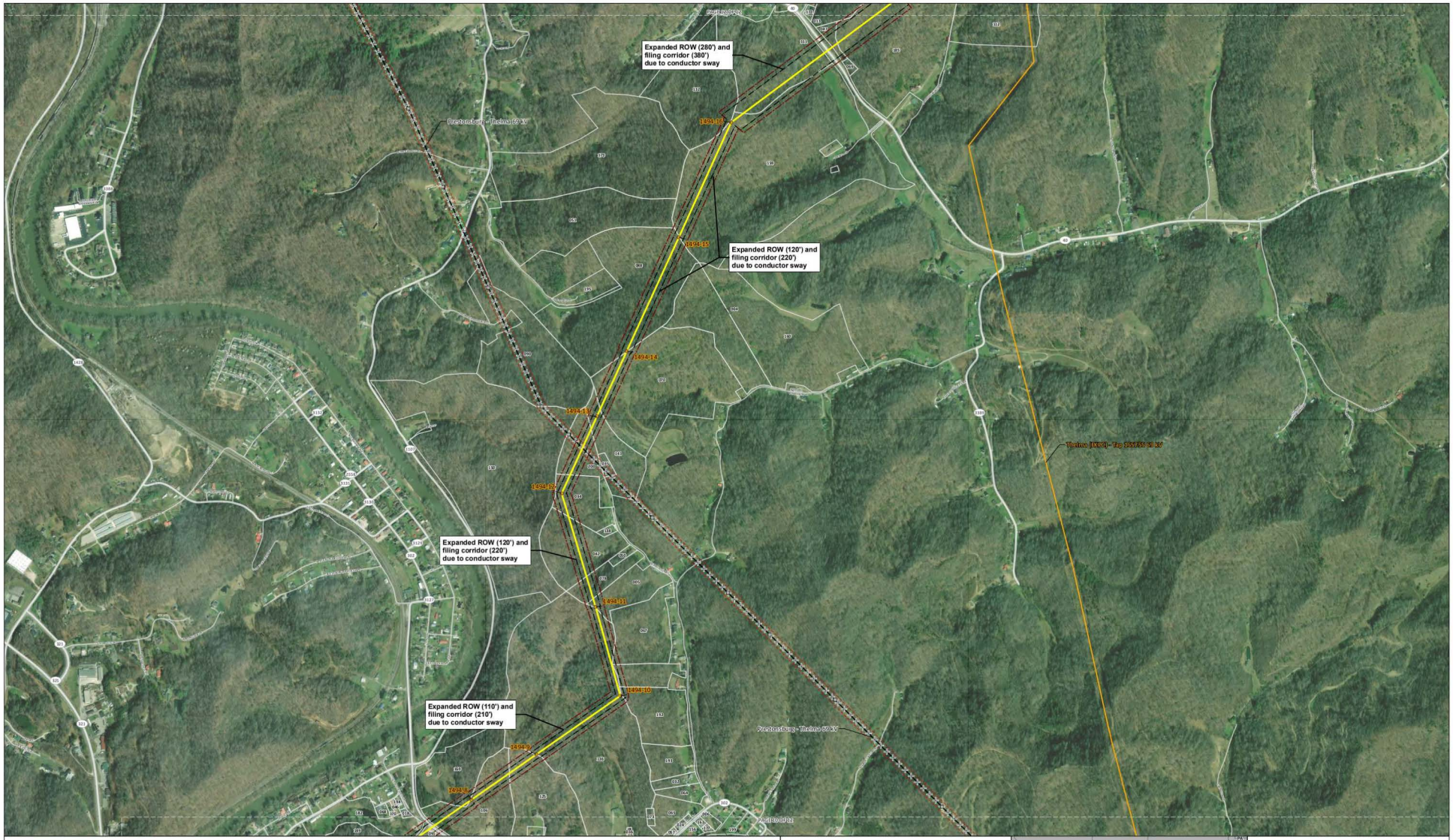
January 28, 2026

Exhibit 4: Proposed Route

Prestonsburg - Thelma Transmission Line Rebuild Project



- Proposed Structure
- Structure to be Removed (AEP)
- Existing AEP Substation
- Proposed Route [1]
- Existing Transmission Line to be Removed
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- Highway
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- Property Line Boundary with AEP Landowner ID [3]
- Map Tile

1) Transmission line route is preliminary and subject to change. Final line route and structure locations will be determined during final engineering, which includes ground surveys and geotechnical and environmental studies.

2) A typical 100-foot-wide right-of-way will generally be sited within an approximately 200-foot-wide corridor. The Company needs the flexibility to shift the centerline no more than 100 feet in either direction from the centerline as necessary after completion of final engineering, ground surveys, and additional discussions with landowners. In 23 locations, the filing corridor is expanded to no more than 380 feet due to conductor sway.

3) The PVA parcels are not based on an accurate ground survey and should not be construed or used as exact descriptions of legal boundaries.

KENTUCKY POWER
An AEP Company

Sheet 5 of 6

Johnson and Floyd Counties, Kentucky

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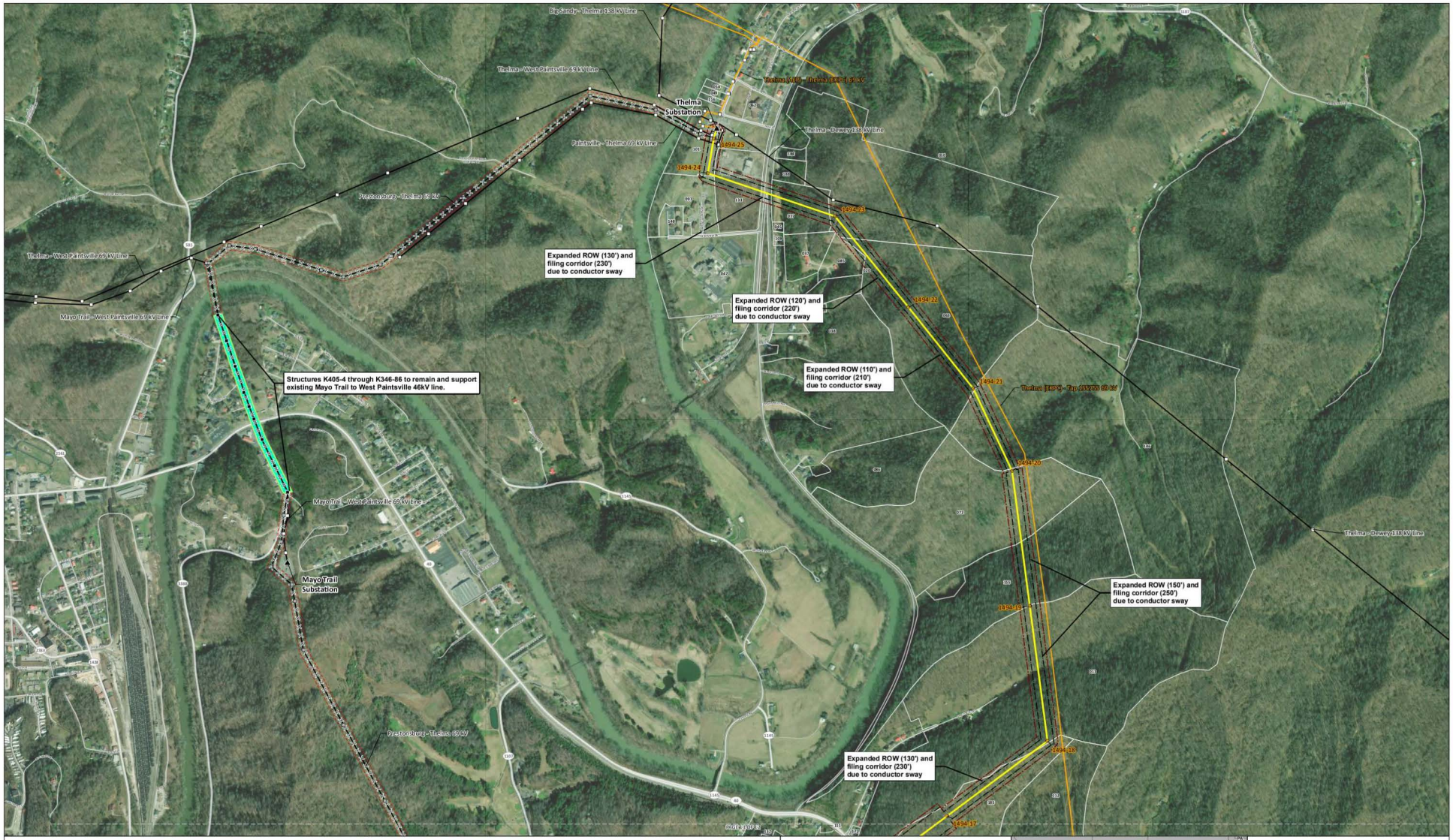
Feet

January 28, 2026

Exhibit 4: Proposed Route

Prestonsburg - Thelma Transmission Line Rebuild Project



- Proposed Structure
- Existing Structure (AEP)
- Structure to be Removed (AEP)
- Structure to be Retained (AEP)
- Existing AEP Substation
- Proposed Route [1]
- Existing AEP Transmission Line
- Existing Transmission Line to be Removed
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1) Transmission line route is preliminary and subject to change. Final line route and structure locations will be determined during final engineering, which includes ground surveys and geotechnical and environmental studies.

2) A typical 100-foot-wide right-of-way will generally be sited within an approximately 200-foot-wide corridor. The Company needs the flexibility to shift the centerline no more than 100 feet in either direction from the centerline as necessary after completion of final engineering, ground surveys, and additional discussions with landowners. In 23 locations, the filing corridor is expanded to no more than 380 feet due to conductor sway.

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KENTUCKY POWER
An AEP Company

Sheet 6 of 6

Johnson and Floyd Counties, Kentucky

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Feet

January 28, 2026

Exhibit 4: Proposed Route

Prestonsburg - Thelma Transmission Line Rebuild Project

DATA REQUEST

KPSC 1_19 Refer to the Direct Testimony of J. Scott Woody (Woody Direct Testimony), page 8, lines 10–23 and page 9, lines 1–21. Refer also to Application, Exhibit 4.

a. Explain whether Kentucky Power intends to clear the entirety of the ROW for each span for this project. If not, provide a description of the span and why no total clearing is planned.

b. If Kentucky Power does not anticipate clearing the ROW according to the various listed span ROW widths to account for conductor sway, explain the purpose of varying the ROW widths and how that comports with the North American Electric Reliability Council (NERC) standards for 69 kV transmission lines. Include in the response what the standards are for acceptable sway for 69 kV transmission lines.

RESPONSE

a. It may not be necessary to clear the entirety of the ROW for each span of this Project. Conversely, there are some spans that may require additional ROW and clearing within that additional ROW, as described in Company Witness Wolffram's and Company Witness Woody's direct testimonies. Generally, the width of secured transmission line ROW should be sufficient so that the installed facilities can operate to their full design capacity without limitations from current or reasonably anticipated changes in land use within or beyond the limits of the secured right of way. To meet this principle, ROW widths encompassing conductor sway are included in this filing. Vegetation clearing plans will be developed prior to construction including identification of danger trees and areas where existing trees may be left. Where vegetation within the ROW does not negatively impact the function of the transmission line or public safety, vegetation within the ROW limits may be maintained. An example of this includes valley spans where the conductor-to-ground clearance under maximum sag conditions exceeds 100 feet.

b. Generally, the width of ROW clearing will coincide with the ROW widths needed for conductor sway. As noted above, vegetation management may allow vegetation within the ROW when it does not negatively impact the transmission line or public safety.

Given the unique nature of the terrain in Kentucky Power's service territory, the necessary ROW may vary depending on the specific topography of each span. The terrain is heavily forested and mountainous, unlike the service territories of other utilities in other parts of the state, like Central Kentucky. Kentucky Power has worked diligently to identify, at this early stage of the Project, which particular spans may need additional ROW and clearing within that ROW to ensure that the transmission line can operate both within electrical safety guidelines and be better protected against potential reliability issues like vegetation inside the ROW and trees outside the ROW.

Witness: J. Scott Woody

Kentucky Power Company
KPSC Case No. 2025-00346
Commission Staff's First Set of Data Requests
Dated January 14, 2026

DATA REQUEST

KPSC 1_20 Refer to the Application, Exhibit 4 and Woody Direct Testimony, page 3, lines 4–21.

a. Provide an updated map similar to Exhibit 4 with the structures relabeled to conform to the descriptions in Mr. Woody's testimony and depicting the ROWs that may be retained and those to be relinquished.

b. On the map to be provided in part a of Item 20 include the other transmission lines in the area that are supported by existing transmission line structures and or interconnect with the Thelma substation, Kenwood substation, the Prestonsburg substation.

RESPONSE

a. Please see KPCO_R_KPSC_1_18_Attachment1. Please note that the sections of the existing line that support underbuild or parallel transmission lines will be retained. The Company has not yet determined whether it will maintain or relinquish its current rights with respect to existing ROW.

b. Please see KPCO_R_KPSC_1_18_Attachment1.

Witness: J. Scott Woody

Kentucky Power Company
KPSC Case No. 2025-00346
Commission Staff's First Set of Data Requests
Dated January 14, 2026

DATA REQUEST

KPSC 1_21 Refer to the Application, Exhibit 7, Part 1, Rebuild Siting Study, page 7, Section 3.1 and the Woody Direct Testimony, page 3, lines 6–8. The Siting Study describes the project as including the rebuilding of a double circuit transmission line to the Kentucky Power's existing Kenwood Substation. The Woody Direct Testimony describes the existing Prestonsburg-Thelma 46 kV line as a single circuit.

a. Confirm that the existing Prestonsburg-Thelma 46 kV line is a single circuit. Explain the response.

b. Explain how the Kenwood substation under the existing Prestonsburg-Thelma 46kV line configuration can be characterized as a double circuit.

RESPONSE

a. The existing Prestonsburg -Thelma 46kV line is a single circuit.

b. The existing Prestonsburg - Thelma 46kV line is a single circuit. The existing 1.8 miles between the Van Lear Switch and Kenwood Substation is also a single circuit. The proposed design for 69kV, operated at 46kV transmission line, will be constructed from Kenwood Station to Prestonsburg Station and from Kenwood Station to Thelma Station. At one time during the siting phase these two line segments shared a ROW from Kenwood across the river to the top of the hill. This was described in the Siting Study as a double circuit transmission line. Since the original siting study, a reroute was required to avoid an area of gravestones. Due to the reroute, the proposed Kenwood to Prestonsburg and proposed Kenwood to Thelma transmission lines no longer share the same corridor outside of Kenwood Station, and it is therefore no longer characterized as a double circuit. For this reason, the "double circuit transmission line" reference in the Siting Study was a misnomer, and the reference instead to a "single circuit transmission line" in the Woody Direct Testimony is accurate.

Witness: J. Scott Woody

Kentucky Power Company
KPSC Case No. 2025-00346
Commission Staff's First Set of Data Requests
Dated January 14, 2026

DATA REQUEST

KPSC 1_22 Refer to the Application, page 7. Explain what is meant by 'landowner input".

RESPONSE

Landowner input includes landowner comments received from the open houses, public meetings, online submissions, mail-in comment cards, phone calls, voicemails, and email.

Witness: Anastacia Santos

Kentucky Power Company
KPSC Case No. 2025-00346
Commission Staff's First Set of Data Requests
Dated January 14, 2026

DATA REQUEST

KPSC 1_23 Refer to the Application, page 7. Explain what Kentucky Power considers "terrain and structure placement challenges" so extraordinary as to eliminate a possible route option.

RESPONSE

Study Segments 3, 4, and 15 were dismissed based on landowner comments that documented existing encroachments, planned property development intersecting the Project, and concerns related to new ROW easements. Additionally, Study Segments 3 and 15 appeared to present several terrain and structure placement challenges. The terrain and structure placement challenges were not in and of themselves the reason to eliminate the route options, just a factor used for consideration. Study Segment 3 included terrain and structure placement challenges to span over CR-1477 and locate a structure along the radio tower access road to climb up to the peak of the ridge; structure placements along the peak of the ridge to maintain conductor sway clearances to existing residences along Old Abbott Mountain Road; long span or spotting a difficult structure location on a side hill to span the hollow accessed off of Ash Lane; narrow potentially inaccessible ridgeline north of the Ash Lane hollow; and sidehill structure locations to cross Bays Branch Road. This vicinity was also re-investigated in 2024 with the review of the Western Alternative Route which was ultimately selected. Study Segment 15 would require an angle structure to be installed above a rockface overlooking Route 40. That area, which does not have any noticeable means of access, would likely require aerial installation and may require micropile foundations into the rock. Cemeteries were also identified along study segment 15. Kentucky Power would be pleased to conduct a field review with Commission Staff to review the Project area and demonstrate how the uniqueness of the area creates such terrain and structure placement challenges.

Witness: J. Scott Woody

Kentucky Power Company
KPSC Case No. 2025-00346
Commission Staff's First Set of Data Requests
Dated January 14, 2026

DATA REQUEST

KPSC 1_24 Refer to the Application, page 10. For the years 2020 through 2025, provide the following by month for each year:

a. Number of Outages and Duration of each outage;

b. Number of Voltage Violations in the area of the proposed project and location for each;

c. Number of Voltage Drops in the area of the proposed project and location for each.

RESPONSE

a. Please see KPCO_R_KPSC_1_24_Attachment1.

b. As an initial matter, the Company and PJM identify and determine the need for this Project and other transmission projects based on projected performance models, and not on historical performance. Doing so is reasonable and appropriate because transmission planning should be done proactively. Nonetheless, the Company does not have the number of voltage violations and drops at the proposed project locations for the years 2020 through 2025 due to the following reasons: some of the current stations in the proposed project do not have a supervisory control and data acquisition ("SCADA") system, which is used to capture the voltage information for the Company's operation teams. The Company's operation teams switched SCADA systems in quarter one of 2024 and the data from before the switch has not been retained. Lastly, the data that has been captured is not reliable due to the violation happening at the same time as switching happening at the station. When switching happens, the SCADA system may report a voltage violation.

c. Please see the Company's response to KPSC 1_24 (b).

Witness: Jasmine L. Moore

Kentucky Power Company
KPSC Case No. 2025-00346
Commission Staff's First Set of Data Requests
Dated January 14, 2026

DATA REQUEST

KPSC 1_25 Refer to the Woody Direct Testimony, pages 3-4. Provide a map of the proposed transmission line project and ROW counter imposed with the current transmission lines and ROW. Identify the respective lines and ROW clearly.

RESPONSE

Please see KPCO_R_KPSC_1_18_Attachment1

Witness: J. Scott Woody

DATA REQUEST

KPSC 1_26 Refer to Application, Exhibit 7, Siting Study, pages 8-9, paragraph 3.2, Santos Direct Testimony, pages 5-6, and Wolframm Direct Testimony, page 10, lines 17–21.

a. Explain in more detail why replacing the 46kV lines within the already existing ROW is not feasible or explain why doing so would be less cost effective than the proposed project.

b. Explain in more detail why Kentucky Power could not build new 46kV lines parallel to the already existing 46kV lines within the confines of the existing ROW for the entire length of the project.

c. Provide an estimated cost of the project if Kentucky Power were to carry out the proposed Project utilizing only its existing ROW.

RESPONSE

a. The Company's prefers to use existing rights-of-way for transmission line rebuilds when practical. However, Kentucky Power ultimately concluded here that rebuilding on the existing steep side slopes was high-risk and impractical. Current construction methods for today's 69kV standards require large steel structures, mechanical construction equipment, construction pads, and access roads which are not conducive to steep slopes. Existing documented landslides and geological studies indicate that the reuse of the existing ROW poses a risk of landslides both during construction and throughout the life of the transmission lines, which presents obvious safety risks and reliability concerns. Kentucky Power would be pleased to conduct a field review with Commission Staff to review the Project area and demonstrate how the uniqueness of the area renders rebuilding within existing ROW unsafe and impractical.

b. First, 46 kV is considered an obsolete operating voltage as the replacement parts of 46 kV rated equipment are no longer available. Kentucky Power is actively replacing 46 kV facilities when practical in its footprint in order to move to a more modern and standard voltage at 69 kV, which allows for easier asset replacement in case of failure or performing routine maintenance. Additionally, the existing transmission line is generally centered within the existing ROW. Building a line parallel to the existing would require additional ROW procurement to provide adequate space for the proposed transmission line to function to its design capacity. Widening the ROW parallel to the existing corridor would increase the number of encroaches along the line route.

In addition, offsetting the centerline through steep terrain would result in more challenging structure locations in terms of both access and constructability. The associated risks noted in the response to subpart (a) of this response would still be concerns if a parallel alignment were to be considered.

c. The Company has not prepared an estimate for constructing the Project within ROW. That estimate was not created due to the infeasibility, including safety risks and ultimate reliability concerns, of construction as discussed in parts (a) and (b) of this response. In addition, any estimate would require assumptions to be made that would not accurately reflect the costs, constraints, outages, and risks associated with this option.

Witness: Tanner S. Wolffram

Witness: J. Scott Woody

DATA REQUEST

KPSC 1_27 Refer to Woody Direct Testimony, pages 3-6, and Wolffram Direct Testimony, page 10, lines 17-21.

a. Explain in detail the process of removing existing lines and removing stations for the Project including any other existing structures to be removed

b. Explain the costs associated with the removal and decommissioning of the existing lines, stations, and structures that Kentucky Power no longer plans to use, including the proposed use of helicopters, and whether all these associated costs are included in the estimated $0.5 million for station removals and $1.3 million for transmission line removals.

c. Explain what will happen to the existing ROW, or how Kentucky Power plans to utilize the existing ROW, that will no longer be used after completion of the proposed Project.

d. Explain any environmental remediation measures Kentucky Power plans to take with the existing ROW that will no longer be used.

e. Explain whether Kentucky Power plans to reutilize or reuse any existing lines or structures it plans to remove or decommission to offset costs associated with the project

f. Provide any cost-mitigating measures Kentucky Power will utilize in removing or decommissioning existing lines, stations, or structures from the existing ROW proposed to be disused.

RESPONSE

a. The existing lines to be removed are the Prestonsburg – Thelma 46kV line from Prestonsburg Substation to Thelma Substation and Van Lear – Kenwood 46kV line from Kenwood Substation to Structure K346-63A on the Prestonsburg – Thelma 46kV line. The existing structure types to be removed are single circuit wood poles and weathering steel poles. The existing structures from structure K346-14 to structure K346-28 on the Prestonsburg – Thelma 46kV line support underbuild (distribution circuit) and are to be topped to remove the 46kV circuit but maintain the underbuild.

The existing Prestonsburg – Thelma 46kV line and Mayo Trail – West Paintsville 46kV line share structures from K405-4 to K346-86; these structures will remain to support the Mayo Trail – West Paintsville 46kV line. The Jenny Wiley Switch and Van Lear Switch will be retired.

Most of the wire and structure removal will be done via helicopter with minimal access road construction to limit disturbance and potential landslides on the existing corridors. A temporary landing zone in the vicinity of the project will be established. Wood poles are to be removed completely and backfilled with suitable compacted backfill. Steel pole bases may remain in the ground with the top of the base section removed down to two feet below grade. Acceptable disposal locations will be determined for all salvaged and scarp material.

Project construction activities include the installation and maintenance of soil erosion and sedimentation control measures; forestry clearing and access road construction; removal of the existing transmission line wire, structures, and foundations; foundation, structure, and wire installation; and the subsequent rehabilitation of all areas disturbed during construction. All required environmental compliance permits and studies will be completed, and a stormwater pollution prevention plan will be developed and implemented under the state's "General Permit for Discharges of Stormwater from Construction Activities."

b. The Company misstated the removal costs associated with this Project. The correct amounts are $0.5 million for station removal and $9.5 million for line removal, for a total of $10 million in removal costs. There is no change in the total project costs, as these costs were originally included within the estimate for installation of the project in Company Witness Wolffram's Direct Testimony. Therefore, transmission line installation costs should be commensurately decreased by $8.2 million, for a correct estimated total for that portion of the Project of $53.2 million. The total estimated costs for the Project still total approximately $71.2 million. The Company will file an errata to the Direct Testimony of Company Witness Wolffram to correct this misstatement.

c. The Company has not yet determined whether it will maintain or relinquish its rights with respect to existing ROW.

d. The Company has not yet determined whether it will maintain or relinquish its rights with respect to existing ROW. With respect to any removal activities, environmental compliance permits and studies will be completed, and a stormwater pollution prevention plan will be developed and implemented.

e. AEP's Transmission Construction Representatives will determine during construction activities if any existing materials can be salvaged and will direct the contractor(s) accordingly.

f. Due to the difficult terrain and landslide concerns, helicopter removal is anticipated to be a cost-effective means of removing the existing lines. Access road construction in the difficult terrain along the project corridor along with the heavy equipment needed to remove structures can introduce risks, such as landslides, that can be costly to mitigate and introduce safety issues. The project team decided that helicopter removal would be a more effective solution to remove the existing infrastructure in time, money, and safety.

Witness: J. Scott Woody

Kentucky Power Company
KPSC Case No. 2025-00346
Commission Staff's First Set of Data Requests
Dated January 14, 2026

DATA REQUEST

KPSC 1_28 Refer to Santos Direct Testimony, generally. Provide a copy of, or summary of, all public comments made at the public meetings, as part of the Outreach or received by Kentucky Power regarding this proposed project.

RESPONSE

Please see KPCO_R_KPSC_1_28_Attachment1, which includes a complete summary of all public comments received by Kentucky Power from open houses, public meetings, online submissions, mail in comment cards, phone calls, voicemails, and email.

Witness: Anastacia Santos

Kentucky Power Company
KPSC Case No. 2025-00346
Commission Staff's First Set of Data Requests
Dated January 14, 2026

DATA REQUEST

KPSC 1_29 Refer to the Application, Exhibit 5.

a. Provide any additional updates to the information to Exhibit 5 beyond the route maps.

b. Explain why a delay of two years does not render the Siting Study information outdated and obsolete.

RESPONSE

a. There are no updates to the information in Exhibit 5 beyond the route maps.

b. The Siting Study was updated twice, once in March 2025 and again in October 2025 due to the discovery of unmarked gravestones within the proposed ROW. For each separate Siting Study update, the Siting Team gathered current constraint and parcel data, reviewed the previous routing based on updated constraint and parcel data, identified new alternative routes or study segments, conducted additional field reconnaissance, held additional open houses to provide opportunity for public comment on the Project, evaluated the alternative routes or study segments qualitatively and quantitatively, and updated the Proposed Route. For these reasons, the Siting Study is up-to-date and is not obsolete.

Witness: J. Scott Woody

DATA REQUEST

KPSC 1_30 Refer to the Wolffram Direct Testimony, page 10.

a. Provide a breakdown of the specific cost components set forth in lines 17–21. Include, at a minimum, in that breakdown: labor, engineering estimates, transmission components by component, land acquisition, remediation.

b. For the five highest scoring alternatives, provide an identical breakdown for each alternative.

c. Explain whether these estimates include consideration of the costs associated with identified encroachments.

d. Identify the contingency amount included for each cost category.

RESPONSE

a. Please see KPCO_R_KPSC_1_30_Attachment1. Please see the Company's response to KPSC 1-27(b) for a description of the change in the estimates for certain individual Project components contained in Company Witness Wolffram's Direct Testimony and the Application. However, the total cost of the Project has not changed.

b. The Company is not aware of any alternatives discussed in Company Witness Wolffram's Testimony at page 10. The Company assumes that Commission Staff is referencing the project alternatives described in this case, and not the potential route alternatives discussed in Company Witness Santos's Testimony and in the Siting Study. Please see KPCO_R_KPSC_1_30_Attachment2 for the cost breakdown for the alternative project. The Company would note that, for purposes of the initial filing, it included only the installation costs of the alternative. To that end, KPCO_R_KPSC_1_30_Attachment2 includes the estimated removal costs for the alternative. This estimate does not include additional right-of-way costs that would have been needed to construct that project.

c. The cost estimates provided include risk contingency, generally, which would encompass encroachments.

d. Please refer to the Company's response in part (a).

Witness: Tanner S. Wolffram

Kentucky Power Company
KPSC Case No. 2025-00346
Commission Staff's First Set of Data Requests
Dated January 14, 2026

DATA REQUEST

KPSC 1_31 Explain what communication Kentucky Power has had with the specific owners of the farmland identified by the United States Department of Agriculture (USDA).

RESPONSE

Kentucky Power has not had additional communication with the USDA beyond the agency letter Kentucky Power mailed out on December 16, 2022, and the USDA response received on January 30, 2023.

Witness: Tanner S. Wolffram

Kentucky Power Company
KPSC Case No. 2025-00346
Commission Staff's First Set of Data Requests
Dated January 14, 2026

DATA REQUEST

KPSC 1_32 Refer to Application, Exhibit 7, Page 17, paragraph 6.1. Explain any further communications made between Kentucky Power and USDA regarding the approximately three acres of pasture and unique farmland soil, and approximately five acres of farmland of statewide importance, as they relate to the Proposed Route ROW, and whether the concerns USDA raised have been addressed.

RESPONSE

Kentucky Power has not had additional communication with the USDA beyond the agency letter Kentucky Power mailed out on December 16, 2022, and the USDA response received on January 30, 2023. The Proposed Route ROW contains approximately seven acres of prime and unique farmland soil and four acres of farmland (Refer to Section 9.0 of the Siting Study, included as Exhibit 7) of statewide importance; however, none of the agricultural land crossed by the Project will be converted to non-agricultural land use and any existing agricultural practices are typically still allowed to continue within the ROW. Kentucky Power will continue to coordinate with USDA during the Stormwater Pollution Prevention Plan (SWPPP) permitting phase of the Project.

Witness: Anastacia Santos

Kentucky Power Company
KPSC Case No. 2025-00346
Commission Staff's First Set of Data Requests
Dated January 14, 2026

DATA REQUEST

KPSC 1_33 Refer to the Application, pages 13–14.

a. Provide an updated list of all Affected Landowners identified by the records of the property valuation administrator of Floyd and Johnson Counties, Kentucky.

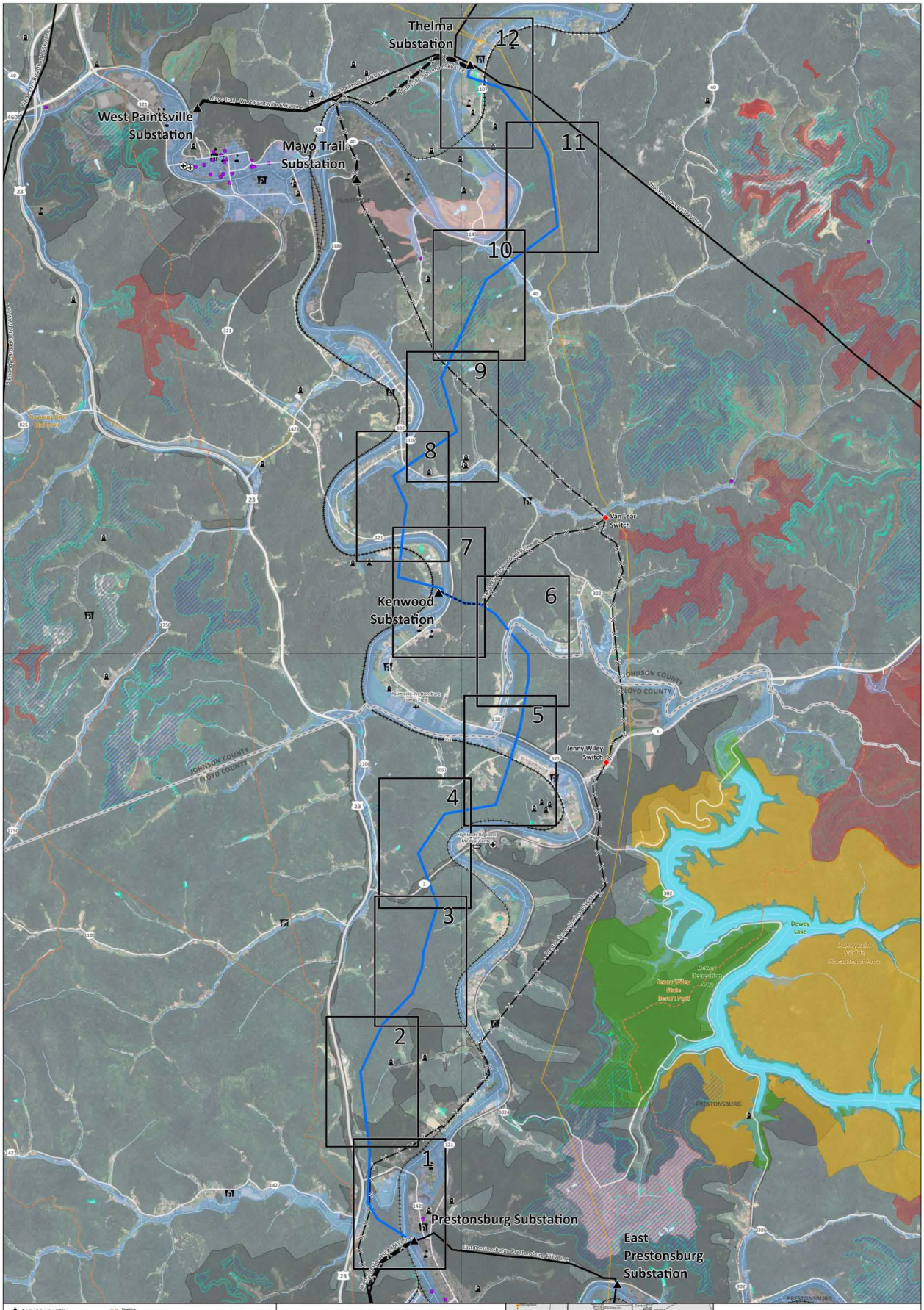
b. Provide a map showing the Affected Landowners' individual parcels of land in relation to the proposed Project route. Include data indicating the owner of each individual parcel of the map

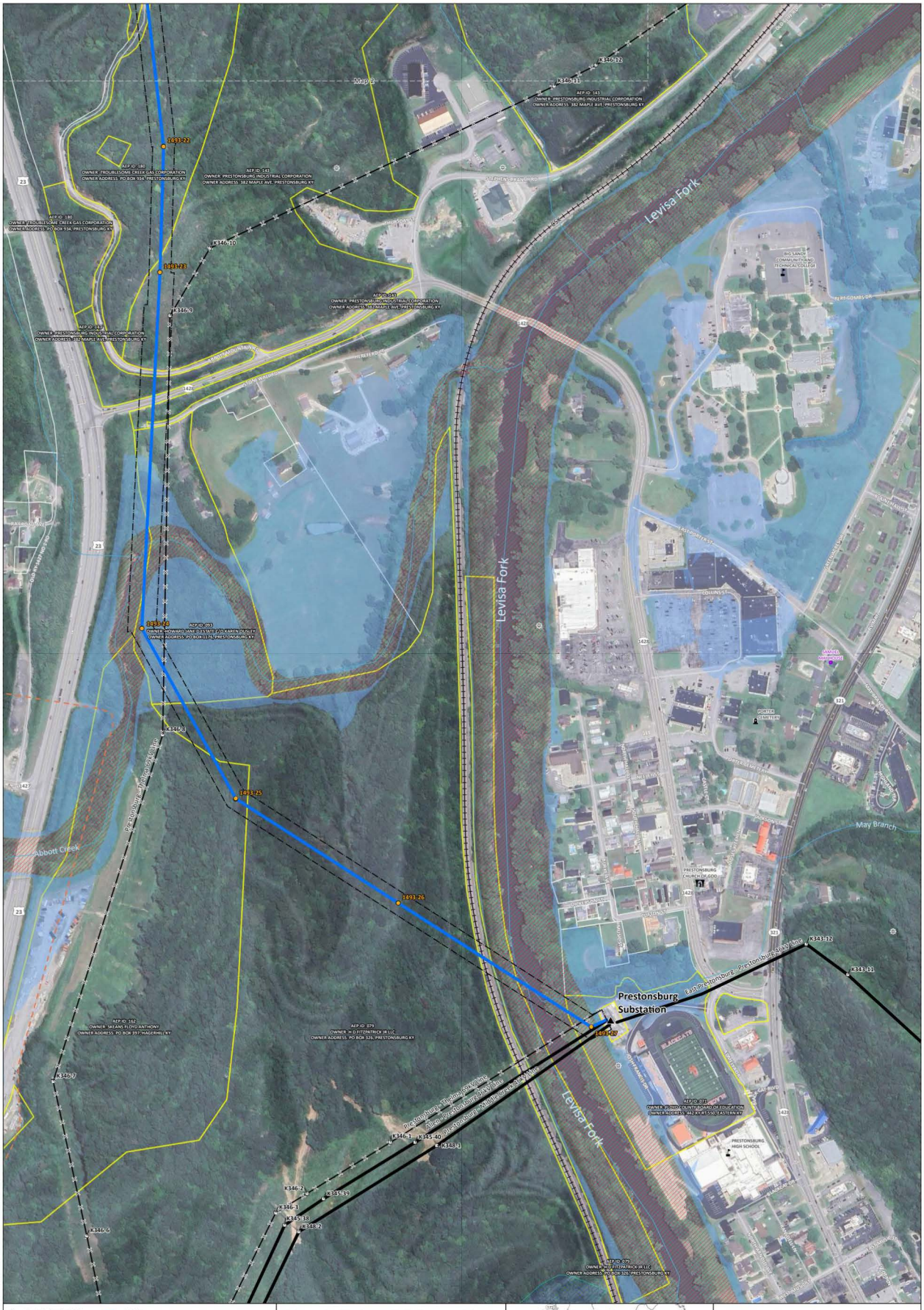
RESPONSE

a. The Company used the PVA data and took additional efforts to update that list beyond the data provided. That list was updated in October, 2025, which was included in Exhibit 8 of the Application. The Company is not aware of any updates and believes the list provided to be the most up-to-date.

b. Please see KPCO_R_KPSC_1_33_Attachment1, which includes a map depicting the landowners' individual parcels of land in relation to the proposed Project route and the owner of each individual parcel.

Witness: Anastacia Santos


Thelma Substation
West Paintsville Substation
Mayo Trail Substation
Van Lear Switch
Kenwood Substation
Jenny Wiley Switch
Prestonsburg Substation
East Prestonsburg Substation
12
11
10
9
8
7
6
5
4
3
2
1
JOHNSON COUNTY
FLOYD COUNTY
PRESTONSBURG
Dewey Lake
Only one route will be chosen and built. Shown segments/routes could change based on landowner input, engineering, ground surveys and studies.
1 inch = 2,000 feet
when printed at 22x34
0 2,000 4,000
US Feet
0 0.5 1
Miles
January 23, 2026
AMERICAN ELECTRIC POWER
Aerial Landowner Index Map
Prestonsburg to Thelma Transmission Line Rebuild Project



Existing Substation (AEP)
Existing Structure (AEP)
Preliminary Structure Location (AEP)
School
Place of Worship
Cemetery/Burial Ground
Oil/Gas Well
Historic Site (NRHP)
Proposed Route (AEP)
Existing Transmission Line (AEP)
Existing Transmission Line To Be Removed (AEP)
Pipeline
Railroad
Stream (NHD)
Proposed Variable 100-foot ROW
Permitted Mine Boundary-Surface
100-year Floodplain (FEMA)
Floodway (FEMA)
Waterbody (NHD)
Parcel Boundary
Affected Parcel Boundary
Map Tile

AMERICAN ELECTRIC POWER

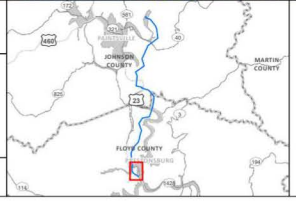
Only one route will be chosen and built. Shown segments/routes could change based on landowner input, engineering, ground surveys and studies.

1 inch = 200 feet
when printed at 22x34

0 200 400 600
Feet

Imagery Source: Google Satellite

January 23, 2026



Aerial Map 1 of 12
Affected Landowners

Prestonsburg to Thelma Transmission Line Rebuild Project

Existing Structure (AEP)
Preliminary Structure Location (AEP)
Cemetery/Burial Ground
Oil/Gas Well
Communication Tower (FCC)
Proposed Route (AEP)
Existing Transmission Line To Be Removed (AEP)
Stream (NHD)
Proposed Variable 100-foot ROW
Parcel Boundary
Affected Parcel Boundary
Map Tile

Only one route will be chosen and built. Shown segments/routes could change based on landowner input, engineering, ground surveys and studies.

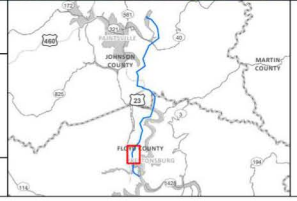
AMERICAN ELECTRIC POWER

1 inch = 200 feet
when printed at 22x34

0 200 400 600
Feet

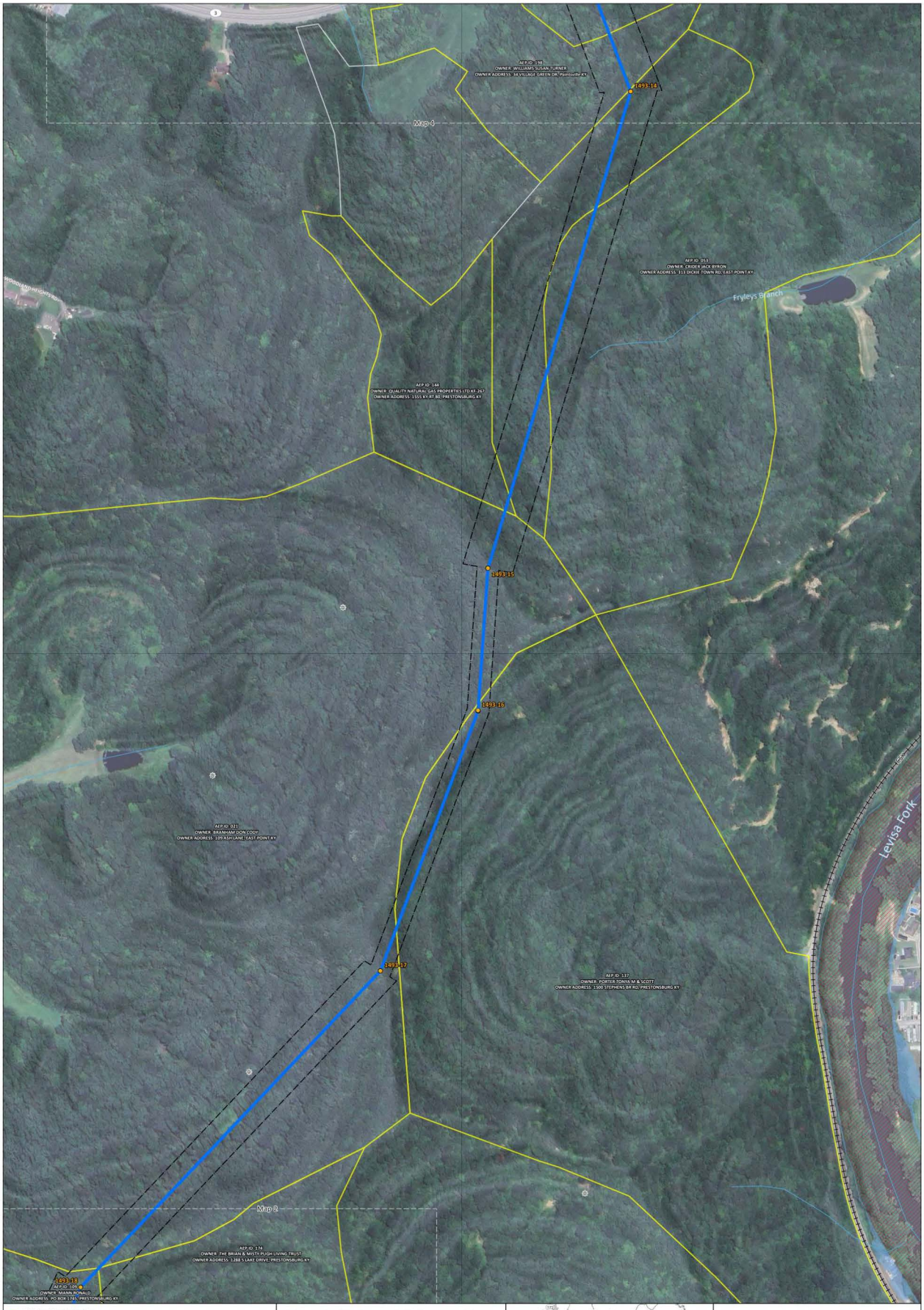
Imagery Source: Google Satellite

January 23, 2026



Aerial Map 2 of 12
Affected Landowners

Prestonsburg to Thelma Transmission Line Rebuild Project



- Preliminary Structure Location (AEP)
- Oil/Gas Well
- Proposed Route (AEP)
- Railroad
- Stream (NHD)
- Proposed Variable 100-foot ROW
- 100-year Floodplain (FEMA)
- Floodway (FEMA)
- Parcel Boundary
- Affected Parcel Boundary
- Map Tile

AMERICAN ELECTRIC POWER

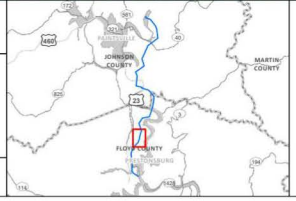
Only one route will be chosen and built. Shown segments/routes could change based on landowner input, engineering, ground surveys and studies.

1 inch = 200 feet
when printed at 22x34

0 200 400 600
Feet

Imagery Source: Google Satellite

January 23, 2026



Aerial Map 3 of 12
Affected Landowners

Prestonsburg to Thelma Transmission Line Rebuild Project

Preliminary Structure Location (AEP)
Oil/Gas Well
Proposed Route (AEP)
Railroad
Stream (NHD)
Proposed Variable 100-foot ROW
Permitted Mine Boundary-Surface
Wetland (NWI)
100-year Floodplain (FEMA)
Floodway (FEMA)
Waterbody (NHD)
Parcel Boundary
Affected Parcel Boundary
Map Tile

AMERICAN ELECTRIC POWER

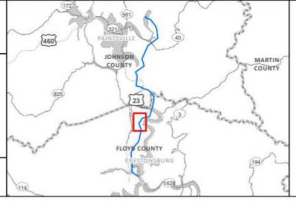
Only one route will be chosen and built. Shown segments/routes could change based on landowner input, engineering, ground surveys and studies.

1 inch = 200 feet
when printed at 22x34

0 200 400 600
Feet

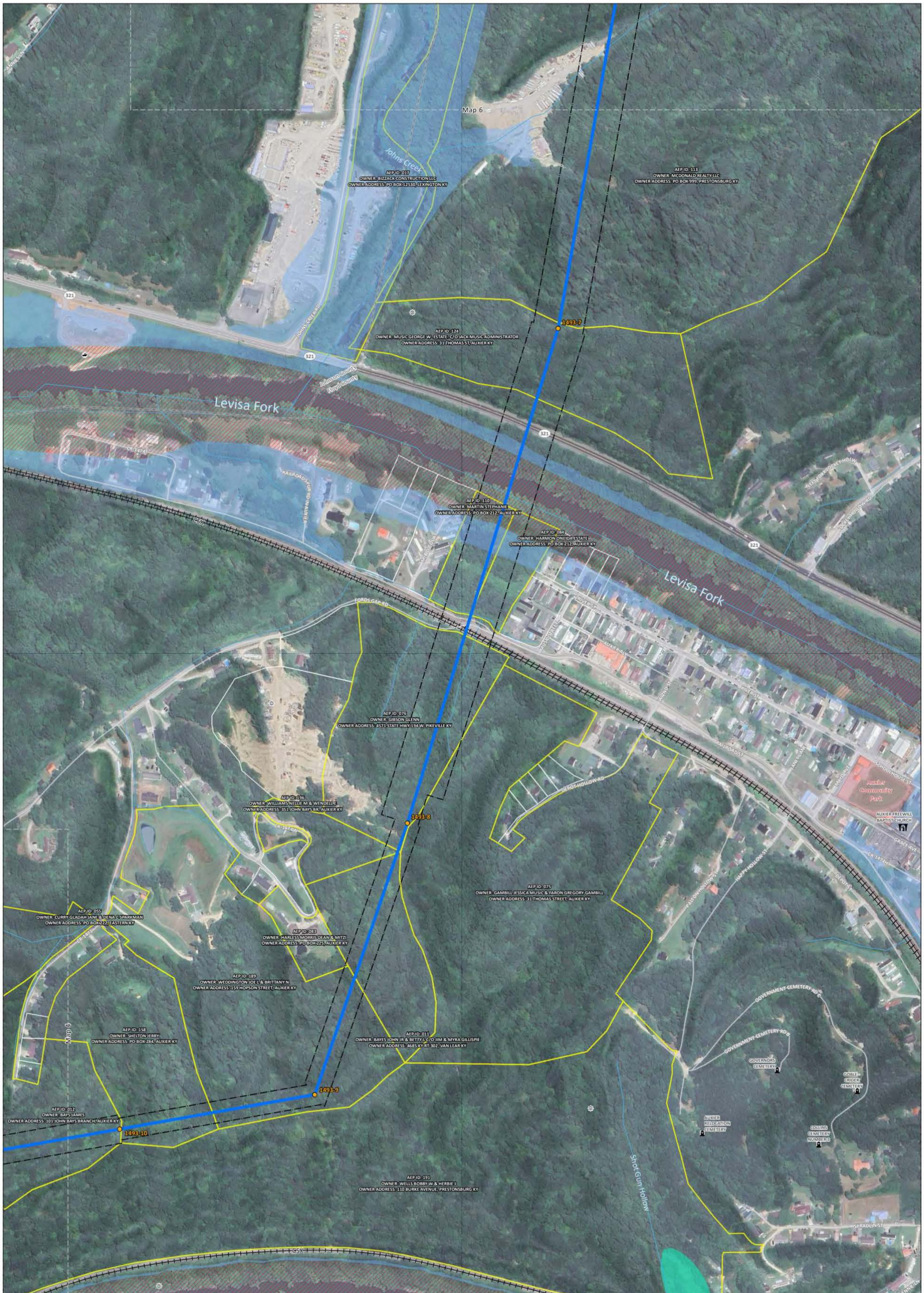
Imagery Source: Google Satellite

January 23, 2026



Aerial Map 4 of 12
Affected Landowners

Prestonsburg to Thelma Transmission Line Rebuild Project



Preliminary Structure Location (AEP)
Place of Worship
Cemetery/Burial Ground
Small Boat Access
Oil/Gas Well
Proposed Route (AEP)
County Boundary
County Boundary
Railroad
Stream (NHD)
Proposed Variable 100-foot ROW
Wetland (NWI)
100-year Floodplain (FEMA)
Floodway (FEMA)
Waterbody (NHD)
Local Conservation Land (PAD-US)
Parcel Boundary
Affected Parcel Boundary
Map Tile

AMERICAN ELECTRIC POWER

Only one route will be chosen and built. Shown segments/routes could change based on landowner input, engineering, ground surveys and studies.

1 inch = 200 feet
when printed at 22x34

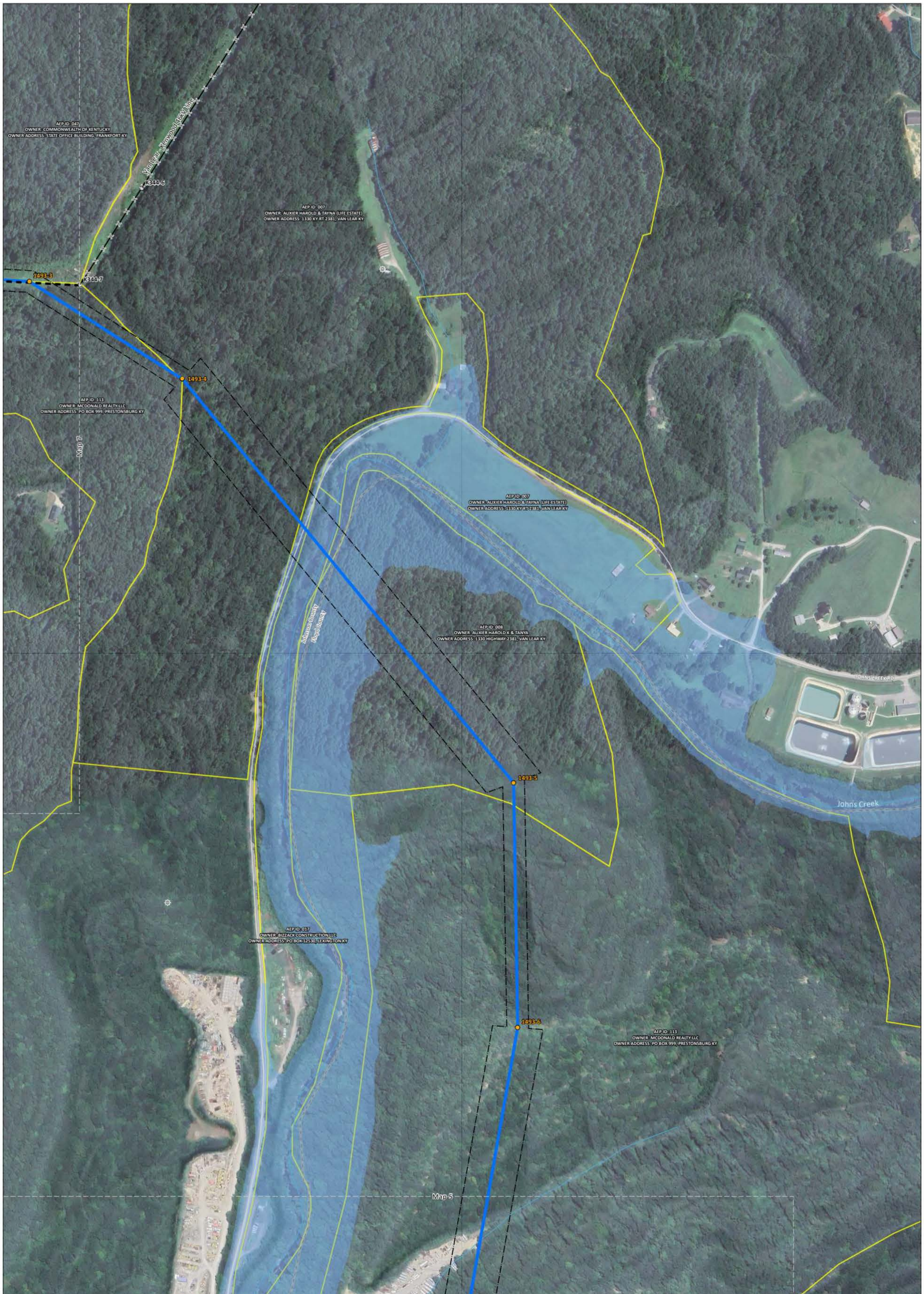
0 200 400 600
Feet

Imagery Source: Google Satellite

January 23, 2026

Aerial Map 5 of 12
Affected Landowners

Prestonsburg to Thelma Transmission Line Rebuild Project

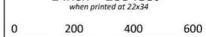


Existing Structure (AEP)
Preliminary Structure Location (AEP)
Oil/Gas Well
Proposed Route (AEP)
Existing Transmission Line To Be Rebuilt (AEP)
Existing Transmission Line To Be Removed (AEP)
County Boundary
County Boundary
Stream (NHD)
Proposed Variable 100-foot ROW
100-year Floodplain (FEMA)
Waterbody (NHD)
Parcel Boundary
Affected Parcel Boundary
Map Tile

AMERICAN ELECTRIC POWER

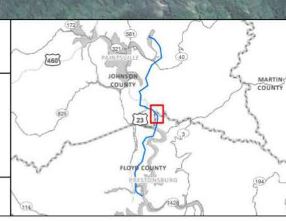
Only one route will be chosen and built. Shown segments/routes could change based on landowner input, engineering, ground surveys and studies.

1 inch = 200 feet
when printed at 22x34



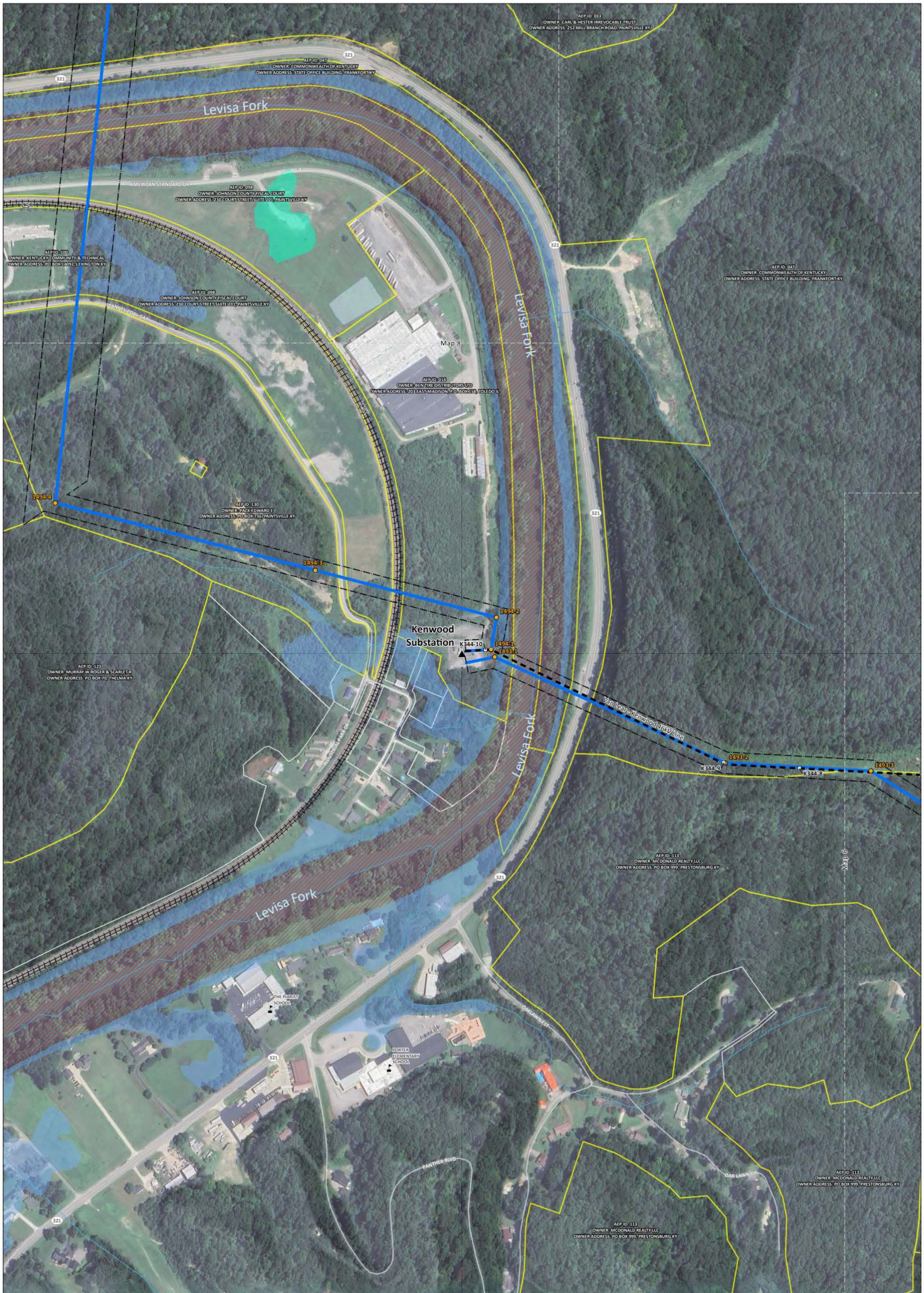
Imagery Source: Google Satellite

January 23, 2026



Aerial Map 6 of 12
Affected Landowners

Prestonsburg to Thelma Transmission Line Rebuild Project



- Existing Substation (AEP)
- Existing Structure (AEP)
- Preliminary Structure Location (AEP)
- School
- Proposed Route (AEP)
- Existing Transmission Line To Be Rebuilt (AEP)
- Existing Transmission Line To Be Removed (AEP)
- Railroad
- Stream (NHD)
- Proposed Variable 100-foot ROW
- Wetland (NWI)
- 100-year Floodplain (FEMA)
- Floodway (FEMA)
- Waterbody (NHD)
- Parcel Boundary
- Affected Parcel Boundary
- Map Tile

AMERICAN ELECTRIC POWER

Only one route will be chosen and built. Shown segments/routes could change based on landowner input, engineering, ground surveys and studies.

1 inch = 200 feet
when printed at 22x34

0 200 400 600
Feet

Imagery Source: Google Satellite

January 23, 2026

Aerial Map 7 of 12
Affected Landowners

Prestonsburg to Thelma Transmission Line Rebuild Project

Preliminary Structure Location (AEP)
Cemetery/Burial Ground
Oil/Gas Well
Proposed Route (AEP)
Railroad
Stream (NHD)
Proposed Variable 100-foot ROW
Wetland (NWI)
100-year Floodplain (FEMA)
Floodway (FEMA)
Waterbody (NHD)
Parcel Boundary
Affected Parcel Boundary
Map Tile

AMERICAN ELECTRIC POWER

Only one route will be chosen and built. Shown segments/routes could change based on landowner input, engineering, ground surveys and studies.

1 inch = 200 feet
when printed at 22x34

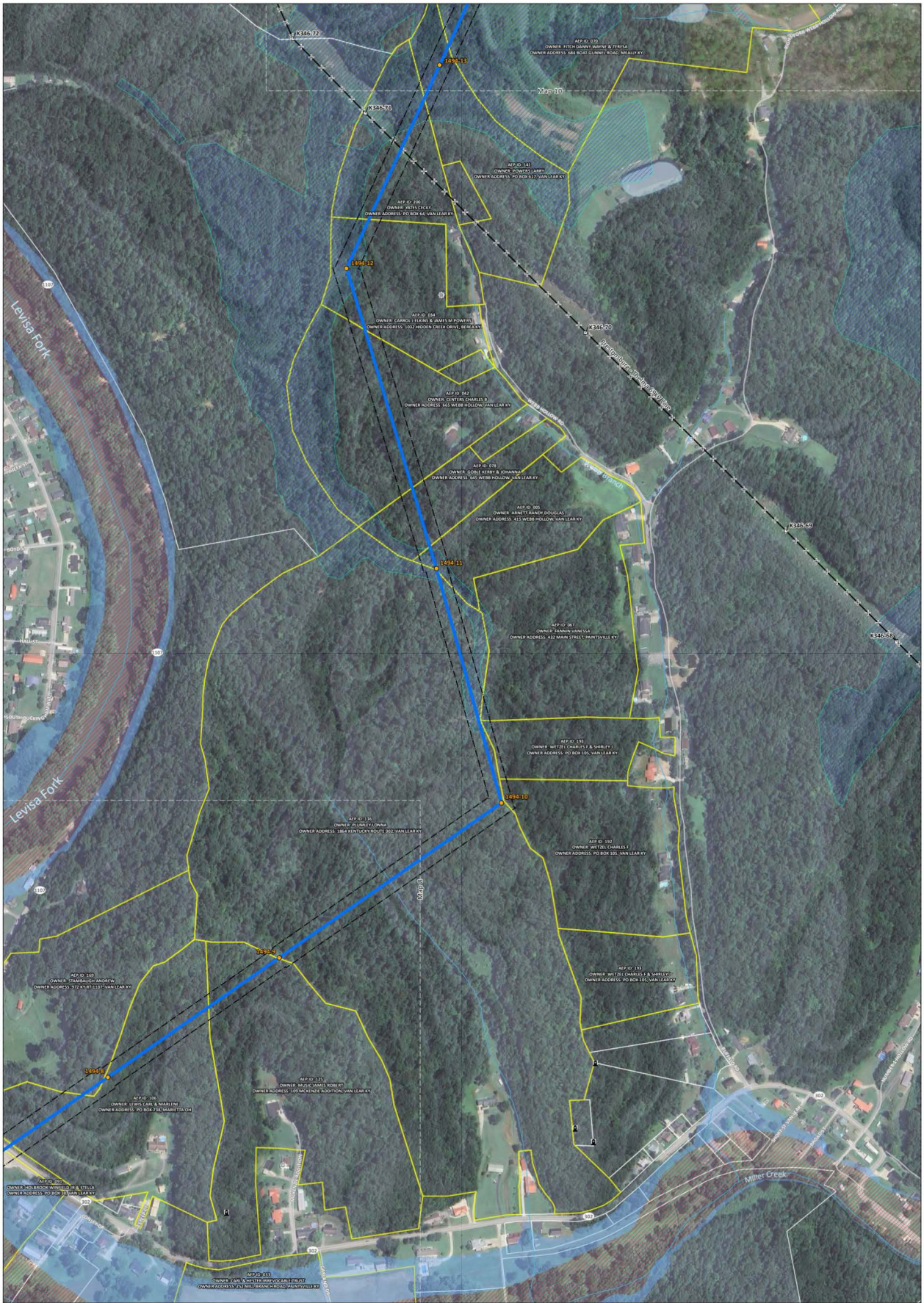
0 200 400 600
Feet

Imagery Source: Google Satellite

January 23, 2026

Aerial Map 8 of 12
Affected Landowners

Prestonsburg to Thelma Transmission Line Rebuild Project



Existing Structure (AEP)
Preliminary Structure Location (AEP)
Cemetery/Burial Ground
Oil/Gas Well
Proposed Route (AEP)
Existing Transmission Line To Be Removed (AEP)
Stream (NHD)
Proposed Variable 100-foot ROW
Permitted Mine Boundary-Surface
100-year Floodplain (FEMA)
Floodway (FEMA)
Waterbody (NHD)
Parcel Boundary
Affected Parcel Boundary
Map Tile

AMERICAN ELECTRIC POWER

Only one route will be chosen and built. Shown segments/routes could change based on landowner input, engineering, ground surveys and studies.

1 inch = 200 feet
when printed at 22x34

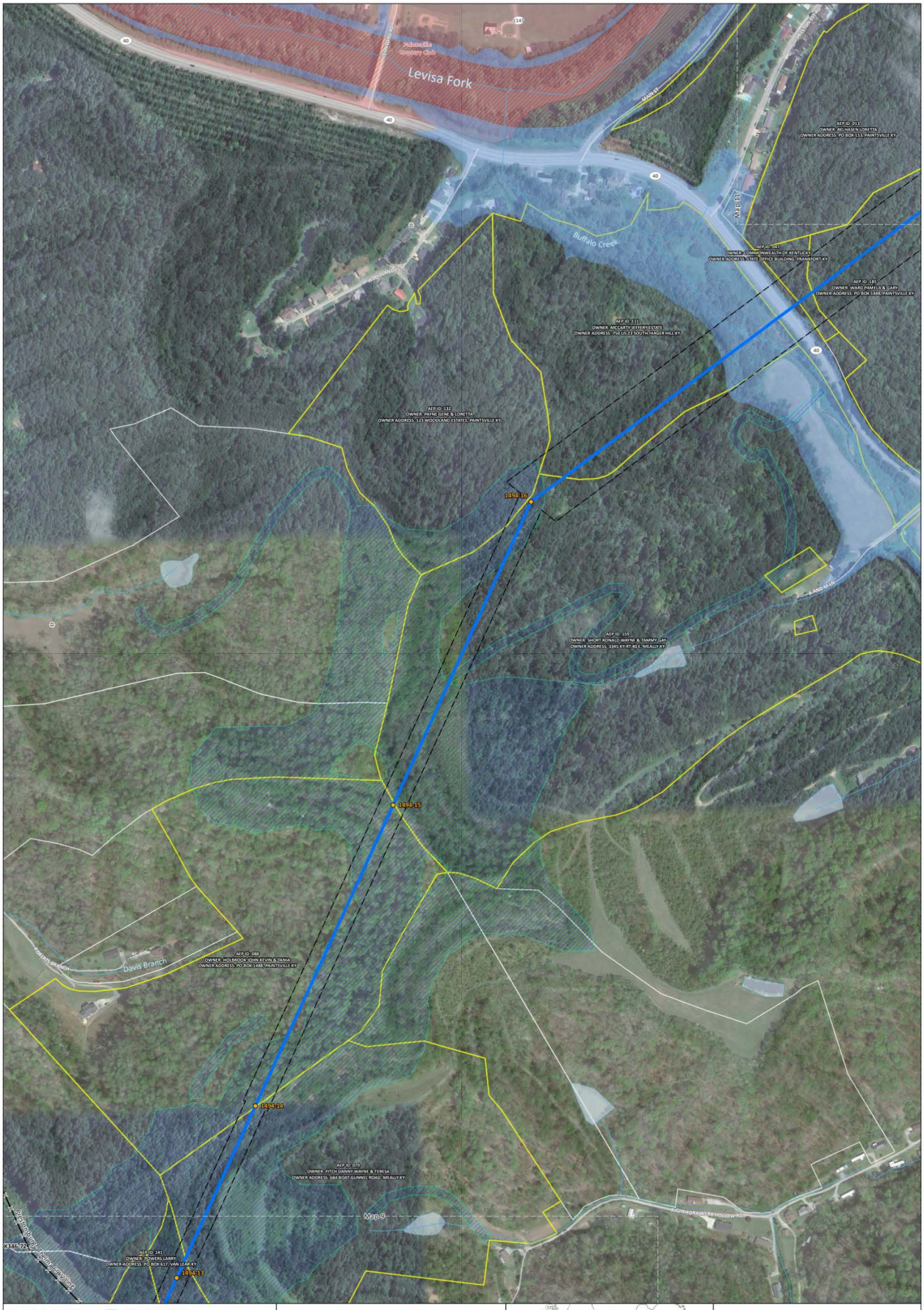
0 200 400 600
Feet

Imagery Source: Google Satellite

January 23, 2026

Aerial Map 9 of 12
Affected Landowners

Prestonsburg to Thelma Transmission Line Rebuild Project



Existing Structure (AEP)
Preliminary Structure Location (AEP)
Oil/Gas Well
Proposed Route (AEP)
Existing Transmission Line To Be Removed (AEP)
Stream (NHD)
Proposed Variable 100-foot ROW
Permitted Mine Boundary-Surface
100-year Floodplain (FEMA)
Floodway (FEMA)
Waterbody (NHD)
Local Conservation Land (PAD-US)
Parcel Boundary
Affected Parcel Boundary
Map Tile

AMERICAN ELECTRIC POWER

Only one route will be chosen and built. Shown segments/routes could change based on landowner input, engineering, ground surveys and studies.

1 inch = 200 feet
when printed at 22x34

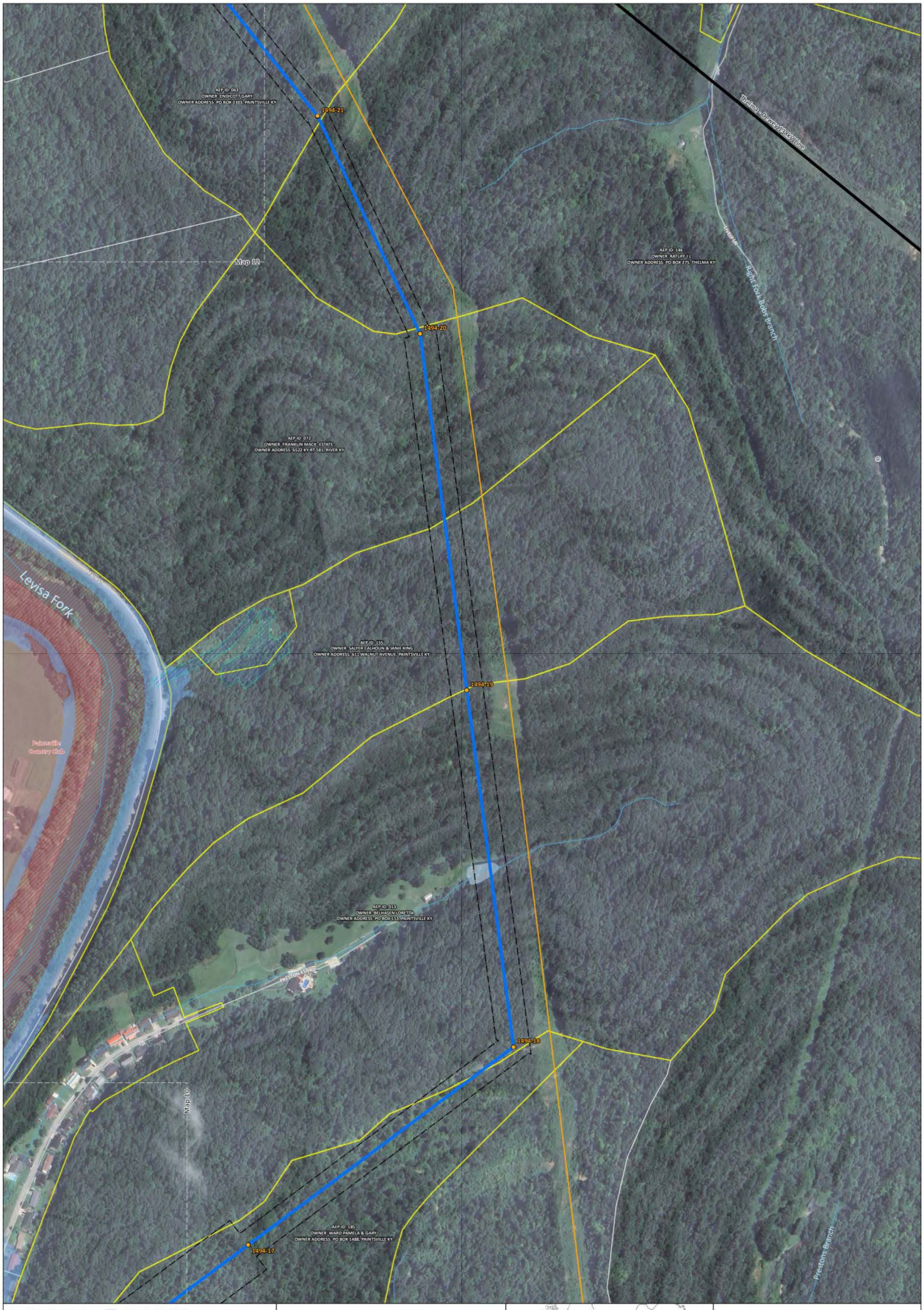
0 200 400 600
Feet

Imagery Source: Google Satellite

January 23, 2026

Aerial Map 10 of 12
Affected Landowners

Prestonsburg to Thelma Transmission Line Rebuild Project



Preliminary Structure Location (AEP)
Oil/Gas Well
Proposed Route (AEP)
Existing Transmission Line (AEP)
Non-AEP Transmission Line
Stream (NHD)
Proposed Variable 100-foot ROW
Permitted Mine Boundary-Surface
100-year Floodplain (FEMA)
Floodway (FEMA)
Waterbody (NHD)
Local Conservation Land (PAD-US)
Parcel Boundary
Affected Parcel Boundary
Map Tile

AMERICAN ELECTRIC POWER

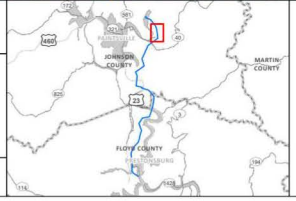
Only one route will be chosen and built. Shown segments/routes could change based on landowner input, engineering, ground surveys and studies.

1 inch = 200 feet
when printed at 22x34

0 200 400 600
Feet

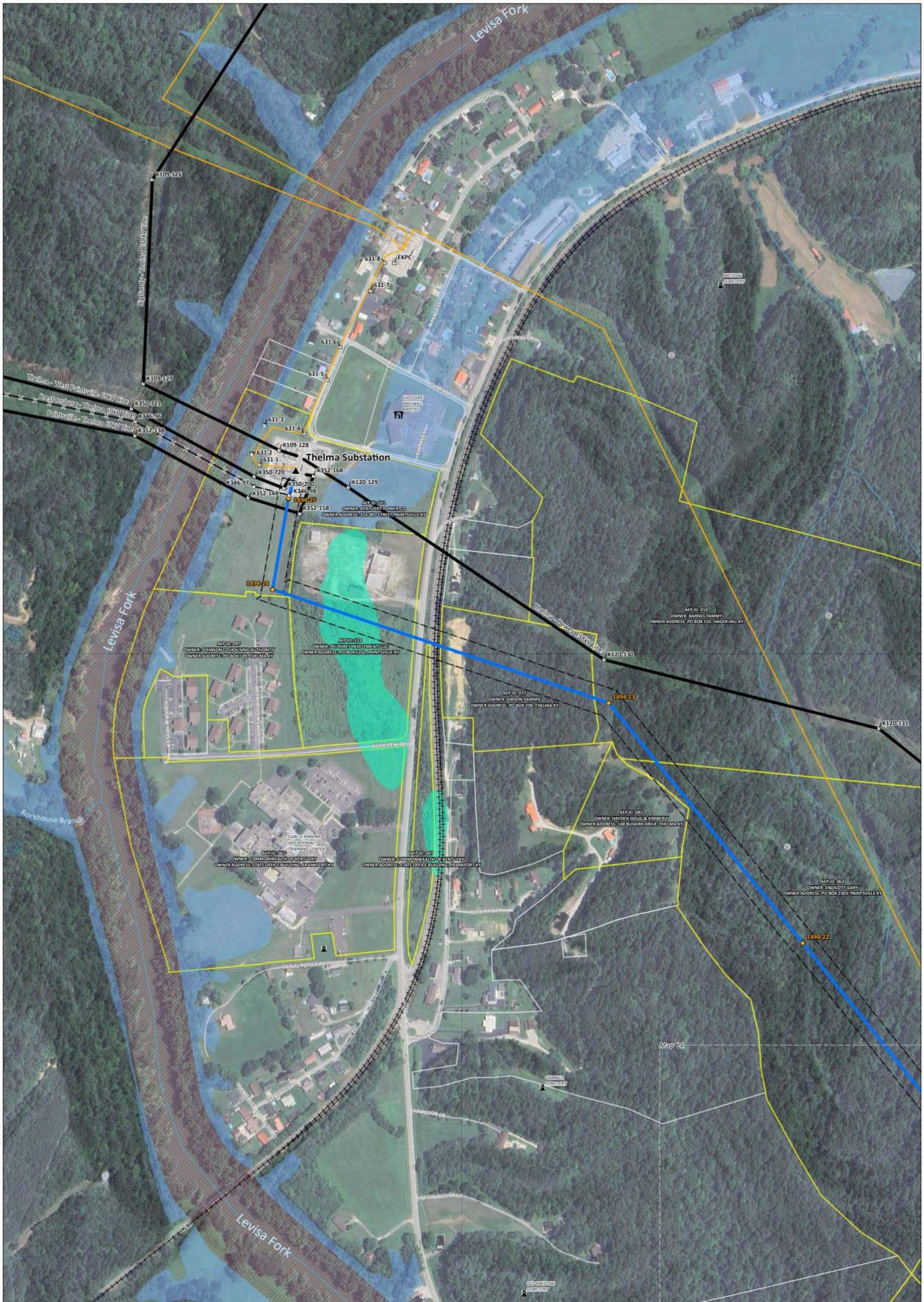
Imagery Source: Google Satellite

January 23, 2026



Aerial Map 11 of 12
Affected Landowners

Prestonsburg to Thelma Transmission Line Rebuild Project



Existing Substation (AEP)
Existing Structure (AEP)
Preliminary Structure Location (AEP)
School
Place of Worship
Cemetery/Burial Ground
Oil/Gas Well
Proposed Route (AEP)
Existing Transmission Line (AEP)
Existing Transmission Line To Be Removed (AEP)
Non-AEP Transmission Line
Railroad
Stream (NHD)
Proposed Variable 100-foot ROW
Permitted Mine Boundary-Surface
Wetland (NWI)
100-year Floodplain (FEMA)
Floodway (FEMA)
Waterbody (NHD)
Parcel Boundary
Affected Parcel Boundary
Map Tile

AMERICAN ELECTRIC POWER

Only one route will be chosen and built. Shown segments/routes could change based on landowner input, engineering, ground surveys and studies.

1 inch = 200 feet
when printed at 22x34

0 200 400 600
Feet

Imagery Source: Google Satellite

January 23, 2026

Aerial Map 12 of 12
Affected Landowners

Prestonsburg to Thelma Transmission Line Rebuild Project

VERIFICATION

The undersigned, Jasmine L. Moore, being duly sworn, deposes and says she is a Transmission Planning Manager for American Electric Power Service Corporation, that she 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 her information, knowledge, and belief.

Signed by:
Jasmine L. Moore
[illegible]
Jasmine L. Moore

Commonwealth of Kentucky)
) Case No. 2025-00346
County of Boyd)

Subscribed and sworn to before me, a Notary Public in and before said County and State, by Jasmine L. Moore, on 1/29/2026 | 10:06 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

VERIFICATION

The undersigned, Anastacia Santos, being duly sworn, deposes and says she is a Vice-President of Project Management for WSP USA, that she 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 her information, knowledge, and belief.

Signed by:
Anastacia Santos
573AF7791DCC400...
Anastacia Santos

Commonwealth of Kentucky)
) Case No. 2025-00346
County of Boyd)

Subscribed and sworn to before me, a Notary Public in and before said County and State, by Anastacia Santos, on 1/29/2026 | 9:51 AM EST.

Signed by:
Michelle Caldwell
E9B1BC7AC31F421...
Notary Public

My Commission Expires 05/05/2027

Notary ID Number KYNP71841

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

VERIFICATION

The undersigned, Devan Snodgrass, being duly sworn, deposes and says he is the Transmission Right of Way Agent 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.

Devan Snodgrass

State of Virginia)
)
County of Roanoke)

Case No. 2025-00346

Subscribed and sworn to before me, a Notary Public in and before said County and State, by Devan Snodgrass, on 1/22/2026.

Notary Public

My Commission Expires 9/30/2026

Notary ID Number 264582

VERIFICATION

The undersigned, Tanner S. Wolffram, being duly sworn, deposes and says he is the Directory of Regulatory 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.

Tanner S. Wolffram

Commonwealth of Kentucky)
)
County of Boyd)

Case No. 2025-00346

Subscribed and sworn to before me, a Notary Public in and before said County and State, by Tanner S. Wolffram, on January 29, 2026

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

VERIFICATION

The undersigned, Jeffrey Scott Woody, being duly sworn, deposes and says he is the Transmission Line Engineer Manager 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.

Signed by:
C87DEE7E558E48E...
Jeffrey Scott Woody

Commonwealth of Kentucky)
) Case No. 2025-00346
County of Boyd)

Subscribed and sworn to before me, a Notary Public in and before said County and State, by Jeffrey Scott Woody, on 1/29/2026 | 2:36 PM EST.

Signed by:
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