COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

The Electronic Application of Duke Energy Kentucky, Inc., for a Certificate of Public Convenience and Necessity to Construct A 138-kV Transmission Line and Associated Facilities In Boone County (Hebron to Oakbrook Transmission Line Project)	)))))))	Case No. 2022-00364

DUKE ENERGY KENTUCKY, INC.'S RESPONSE TO THE APRIL 5, 2023 DEFICIENCY NOTICE

I. INTRODUCTION

Comes now Duke Energy Kentucky, Inc., (Duke Energy Kentucky or the Company) and, for its response to the Kentucky Public Service Commission (Commission)'s April 5, 2023 Deficiency Notice, states as follows:

A. Deficiencies

1. 807 KAR 5:001, Section 6:

"No date or signature for certification of service to the Office of the Attorney General."

Response: This was an inadvertent error that occurred during the filing. Duke Energy Kentucky has updated the date of the certification of service on the filed Application. A fully executed and signed copy, along with emails to the Attorney General confirming service, are attached to this response as Attachment 1.

2. 807 KAR 5:001, Section 14(2):

"If a corporation, the applicant shall identify in the application that state in which it is incorporated and the date of its incorporation, attest that it is currently in good

standing in the state in which it is incorporated, and if it is not a Kentucky corporation, state whether it is authorized to transact business in Kentucky; No signature on application to attest to the statements contained therein. Without a signature, the statements therein are not attested too."

Response: Duke Energy Kentucky directs the Commission's attention to Paragraph 1 of the Company's Application.[1] This paragraph seems to meet this requirement; however, it appears the Company, due to clerical error, inadvertently submitted its Application un-signed. Therefore, Duke Energy Kentucky hereby submits a fully executed and signed copy of the Application originally filed on March 30, 2023. It is attached to this response as Attachment 2.

3. 807 KAR 5:120, Section 2(6)

"No affidavit of publication as stated in the testimony at page 17 of the Yanthi Boutwell Direct Testimony. The notice included does not contain newspaper information, dates of publication or any evidence that the notice in Exhibit 13 was a newspaper publication. The statement regarding the Exhibit 13 in the Application is also presented pursuant to the regulation but the Application was unassigned and did not resolve the issue."

Response: Duke Energy Kentucky published Exhibit 13 to the Application as follows: Falmouth Outlook on March 28, 2023; Gallatin County News on March 29, 2023; Grant County News on March 30, 2023; and the Kentucky Enquirer on March 29, 2023. Please note, as of June 26, 2022, the Boone County Recorder, Campbell County Recorder, and Kenton Community Recorder have dissolved and no longer publish a newspaper. Fortunately, the Kentucky Enquirer is a daily paper for these areas; and, for 2022-now, we are able to use them to publish for Boone, Campbell, and Kenton counties. The newspaper tear sheets and an affidavit attesting to the publications are attached to this response as Attachment 3.

[1] *In the Matter of the Electronic Application of Duke Energy Kentucky, Inc. for a Certificate of Public Convenience and Necessity to Construct A 138-kV Transmission Line And Associated Facilities In Boone County (Hebron to Oakbrook Transmission Line Project)*, Application at 1, Case No. 2022-00364 (Ky. P.S.C. March 30, 2023).

II. CONCLUSION

For the foregoing reasons, Duke Energy Kentucky respectfully requests that the Commission issue an order finding that with the actions described above the Company's application is deemed to meet the minimum filing requirements and that the application be accepted for filing as of the date of this submittal.

Respectfully submitted,

/s/Rocco D'Ascenzo
Rocco O. D'Ascenzo (92796)
Deputy General Counsel
Larisa Vaysman
Senior Counsel (98944)
Duke Energy Business Services LLC
139 East Fourth Street, 1303-Main
Cincinnati, Ohio 45202
Phone: (513) 287-4320
Fax: (513) 370-5720
rocco.d'ascenzo@duke-energy.com
larisa.vaysman@duke-energy.com

Counsel for Duke Energy Kentucky, Inc.

CERTIFICATE OF SERVICE

This is to certify that the foregoing electronic filing is a true and accurate copy of the document in paper medium; that the electronic filing was transmitted to the Commission on April 6th, 2023; that there are currently no parties that the Commission has excused from participation by electronic means in this proceeding; and that submitting the original filing to the Commission in paper medium is no longer required as it has been granted a permanent deviation.[2]

Hon. John G. Horne
Office of the Attorney General
Utility Intervention and Rate Division
700 Capital Avenue, Ste. 20
Frankfort, Kentucky 40601
John.Horne@ky.gov

/s/Rocco D'Ascenzo
Counsel for Duke Energy Kentucky, Inc.

[2] *In the Matter of Electronic Emergency Docket Related to the Novel Coronavirus COVID-19,* Order, Case No. 2020-00085 (Ky. P.S.C. July 22, 2021).

CERTIFICATE OF SERVICE

This is to certify that a copy of the foregoing Application of Duke Energy Kentucky, Inc. has been served via electronic mail to the following party on this 6th day of April 2023.

Hon. John G. Horne
Office of the Attorney General
Utility Intervention and Rate Division
700 Capital Avenue, Ste. 20
Frankfort, Kentucky 40601
John.Horne@ky.gov

Rocco O. D'Ascenzo

Sunderman, Minna

From: Sunderman, Minna
Sent: Thursday, April 6, 2023 10:42 AM
To: Horne, John G (KYOAG)
Subject: Case No. 2022-00364 Duke Energy Kentucky, Inc. | Application for CPCN | Hebron to Oakbrook Transmission Line Project | Part 1 of 3
Attachments: Read_First_cover_letter_Ltr_to_Bridwell_re._Hebron_to_Oakbrook_CPCN_Application.pdf; 2022-00364 CONF Petition to Application.pdf; Application_Transmission_HebronOakbrook_Part1.pdf

Part 1 of 3

Good Morning Mr. Horne,

Due to clerical error, the application originally filed by Duke Energy Kentucky, Inc. on March 30, 2023 was inadvertently electronically uploaded un-signed. As such, please replace the original application with the attached, which is a fully executed copy of this application. You can also find all filings related to this matter at the Commission's website here: View Case Filings for: 2022-00364 (ky.gov).

Should you have any questions or concerns, please do not hesitate to contact me.

Thank you,

Minna Sunderman
Duke Energy Corporation
Sr Paralegal | Office of General Counsel
139 E. 4th Street | 1303-Main | Cincinnati, OH 45202
☎: 513.287.4356 | 🖷: 513.370.5720 | ✉: Minna.Sunderman@duke-energy.com

Sunderman, Minna

From: Horne, John G (KYOAG) <John.Horne@ky.gov>
To: Sunderman, Minna
Sent: Thursday, April 6, 2023 10:50 AM
Subject: Read: Case No. 2022-00364 Duke Energy Kentucky, Inc. | Application for CPCN | Hebron to Oakbrook Transmission Line Project | Part 1 of 3

Your message

To: Horne, John G (KYOAG)
Subject: Case No. 2022-00364 Duke Energy Kentucky, Inc. | Application for CPCN | Hebron to Oakbrook Transmission Line Project | Part 1 of 3
Sent: Thursday, April 6, 2023 2:44:24 PM (UTC) Coordinated Universal Time

was read on Thursday, April 6, 2023 2:48:39 PM (UTC) Coordinated Universal Time.

Sunderman, Minna

From: Sunderman, Minna
Sent: Thursday, April 6, 2023 10:43 AM
To: 'Horne, John G (KYOAG)'
Subject: Case No. 2022-00364 Duke Energy Kentucky, Inc. | Application for CPCN | Hebron to Oakbrook Transmission Line Project | Part 2 of 3
Attachments: Application_Transmission_HebronOakbrook_Part2.pdf

Part 2 of 3

Good Morning Mr. Horne,

Due to clerical error, the application originally filed by Duke Energy Kentucky, Inc. on March 30, 2023 was inadvertently electronically uploaded un-signed. As such, please replace the original application with the attached, which is a fully executed copy of this application. You can also find all filings related to this matter at the Commission's website here: View Case Filings for: 2022-00364 (ky.gov).

Should you have any questions or concerns, please do not hesitate to contact me.

Thank you,

Minna Sunderman
Duke Energy Corporation
Sr Paralegal | Office of General Counsel
139 E. 4th Street | 1303-Main | Cincinnati, OH 45202
☎: 513.287.4356 | 🖷: 513.370.5720 | ✉: Minna.Sunderman@duke-energy.com

Sunderman, Minna

From: Horne, John G (KYOAG) <John.Horne@ky.gov>
To: Sunderman, Minna
Sent: Thursday, April 6, 2023 10:56 AM
Subject: Read: Case No. 2022-00364 Duke Energy Kentucky, Inc. | Application for CPCN | Hebron to Oakbrook Transmission Line Project | Part 2 of 3

Your message

To: Horne, John G (KYOAG)
Subject: Case No. 2022-00364 Duke Energy Kentucky, Inc. | Application for CPCN | Hebron to Oakbrook Transmission Line Project | Part 2 of 3
Sent: Thursday, April 6, 2023 2:43:24 PM (UTC) Coordinated Universal Time

was read on Thursday, April 6, 2023 2:55:23 PM (UTC) Coordinated Universal Time.

Sunderman, Minna

From: Sunderman, Minna
Sent: Thursday, April 6, 2023 10:43 AM
To: 'Horne, John G (KYOAG)'
Subject: Case No. 2022-00364 Duke Energy Kentucky, Inc. | Application for CPCN | Hebron to Oakbrook Transmission Line Project | Part 3 of 3
Attachments: Application_Transmission_HebronOakbrook_Part3.pdf

Part 3 of 3

Good Morning Mr. Horne,

Due to clerical error, the application originally filed by Duke Energy Kentucky, Inc. on March 30, 2023 was inadvertently electronically uploaded un-signed. As such, please replace the original application with the attached, which is a fully executed copy of this application. You can also find all filings related to this matter at the Commission's website here: View Case Filings for: 2022-00364 (ky.gov).

Should you have any questions or concerns, please do not hesitate to contact me.

Thank you,

Minna Sunderman
Duke Energy Corporation
Sr Paralegal | Office of General Counsel
139 E. 4th Street | 1303-Main | Cincinnati, OH 45202
☎: 513.287.4356 | 🖷: 513.370.5720 | ✉: Minna.Sunderman@duke-energy.com

Sunderman, Minna

From: Horne, John G (KYOAG) <John.Horne@ky.gov>
To: Sunderman, Minna
Sent: Thursday, April 6, 2023 10:57 AM
Subject: Read: Case No. 2022-00364 Duke Energy Kentucky, Inc. | Application for CPCN | Hebron to Oakbrook Transmission Line Project | Part 3 of 3

Your message

To: Horne, John G (KYOAG)
Subject: Case No. 2022-00364 Duke Energy Kentucky, Inc. | Application for CPCN | Hebron to Oakbrook Transmission Line Project | Part 3 of 3
Sent: Thursday, April 6, 2023 2:45:18 PM (UTC) Coordinated Universal Time

was read on Thursday, April 6, 2023 2:55:34 PM (UTC) Coordinated Universal Time.

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

The Electronic Application of Duke Energy Kentucky, Inc. for a Certificate of Public Convenience and Necessity to Construct A 138-kV Transmission Line And Associated Facilities In Boone County (Hebron to Oakbrook Transmission Line Project)	)	Case No. 2022-00364

APPLICATION

Now comes Duke Energy Kentucky, Inc. (Duke Energy Kentucky or the Company), pursuant to KRS 278.020(2) and 807 KAR 5:001, Sections 8 and 9, and 807 KAR 5:120, and other applicable law, and hereby respectfully requests from the Kentucky Public Service Commission (Commission) an Order granting a Certificate of Public Convenience and Necessity (CPCN) for approval to construct and operate a new single circuit 138-kilovolt (kV) transmission line. The new circuit will utilize portions of the existing #15268 circuit, 69 kV transmission line, and approximately 2.1 linear miles of proposed new transmission line. In support of this CPCN Application (Application), Duke Energy Kentucky respectfully states as follows:

Introduction

1. Pursuant to 807 KAR 5:001, Section 14(2), Duke Energy Kentucky is a Kentucky corporation originally incorporated on March 20, 1901, in good standing, and a public utility as that term is defined in KRS 278.010(3), and, therefore, is subject to the Commission's jurisdiction.

2. Duke Energy Kentucky is engaged in the business of generation, purchasing, transmission, and distribution and sale of electric power, as well as furnishing natural gas utility services to various municipalities and unincorporated areas in Boone, Bracken, Campbell, Gallatin, Grant, Kenton, and Pendleton Counties in the Commonwealth of Kentucky.

3. The Company's local office in Kentucky is Duke Energy Erlanger Ops Center, 1262 Cox Road, Erlanger, Kentucky 41018. The Company further states that its electronic mail address for purposes of this matter is KYfilings@duke-energy.com.

4. Copies of all orders, pleadings and other communications related to this proceeding should be sent to:

Rocco O. D'Ascenzo
Deputy General Counsel
Duke Energy Kentucky, Inc.
139 East Fourth Street, Cincinnati, OH 45202
Rocco.D'Ascenzo@duke-energy.com
KYfilings@duke-energy.com

Background

5. Duke Energy Kentucky has identified a need to construct a new 138 kV electric transmission line, approximately 2.1 linear miles in length, in Boone County, Kentucky extending from the existing Hebron Substation to the existing 15268 circuit and additionally rebuild another 1.5 of the existing 15268 circuit (the Project). A map showing the proposed location of the Project is included in Exhibit 1. This Project is necessary due to load growth and system reliability of the surrounding Duke Energy Kentucky transmission and distribution systems.

6. Boone County is the fourth most populous and is one of the fastest developing counties in the Commonwealth of Kentucky.[1] Upon information and belief, this growth includes all three customer segments: residential; commercial; and industrial electric loads. This rapid growth has resulted in customer demand reaching near the limits of the Company's existing transmission system's capacity. The Company is projecting growth to continue in this area, necessitating additional capacity construction to meet projected demand.

The Project

7. Duke Energy Kentucky is seeking authority to construct and operate a new single circuit 138 kilovolt (kV) transmission line (circuit #6763; the Project). The new circuit will utilize portions of the existing #15268 circuit 69 kV transmission line and approximately 2.1 linear miles of proposed new transmission line. To accommodate the new circuit, the current three-terminal circuit at the Hebron Substation will be split into two two-terminal circuits. One terminal circuit (#6523) will connect the Hebron Substation to the Oakbrook Substation and the other circuit (#15268) will connect the Hebron Substation to the Constance Substation. The proposed new transmission line will connect the Company's existing Hebron Substation to the existing #15268 circuit creating circuit #6763. After the connection of the new transmission line, new circuit #6763 will follow the existing #15268 circuit to the existing Oakbrook Substation (Exhibit 1). As part of the Project, approximately 1.5 miles of the existing circuit #15268 will be rebuilt in place to 138 kV capacity. Once the rebuild is complete, the new circuit (#6763) will connect the Hebron and Oakbrook Substations and the existing circuit (#15268) will connect the

[1] Kentucky Population Growth Rate (2010 - 2019) by County (indexmundi.com)

Hebron and Constance Substations. The new circuit will be energized to 69 kV initially with future plans to energize to 138 kV.

8. Structure types and numbers will be determined during final engineering, which includes ground survey and geotechnical studies, and will depend upon terrain crossed, spans, turning angles, final right-of-way (ROW) acquisition, and other engineering considerations. Based upon preliminary engineering, the Company anticipates approximately 26 foundation based galvanized steel poles and 50 direct embedded galvanized steel poles will be required. It is anticipated that angle and dead-end structures will utilize either guy wires and anchors or foundations. Duke Energy transmission line 138-kV standards are included in Confidential Exhibit 4.

9. The transmission line structure heights will vary depending on placement, terrain, and clearance requirements. The transmission engineering design has the average structure height above ground at approximately 80 feet. The proposed structures will have one 138-kV transmission circuit supporting a total of three phase conductors and one overhead ground/shield wire. In addition, the design incorporates potential distribution under build to further enhance the distribution system in some of the locations. The phase conductors will utilize 954 kcmil aluminum conductor steel-reinforced (ACSR) conductor.

Request for Certificate of Public Convenience and Necessity

10. Duke Energy Kentucky is requesting a CPCN pursuant to KRS 278.020 and 807 KAR 5:001, Section 15, for its Hebron to Oakbrook Transmission Project for the reasons set forth above.

11. The Hebron to Oakbrook Transmission Project will not result in a wasteful duplication of facilities. The Hebron to Oakbrook Transmission Project will be located

within Duke Energy Kentucky's electric service territory and is necessary to serve both increased load and new customers in the area. The existing facilities in the area are insufficient to support the new load and customers in the area.

12. In accordance with 807 KAR 5:001 Section 12(2)(a)-(i). Duke Energy Kentucky is filing the following information in Exhibit 5, which is incorporated herein and made a part of this Application filed in this proceeding:

Exhibit 5 Page	**Description**	**807 KAR 5:001 Section Reference**
	Financial Exhibit	12(2)
1	Amount and kinds of stock authorized	12(2)(a)
1	Amount and kinds of stock issued and outstanding	12(2)(b)
1	Terms of preference or preferred stock	12(2)(c)
1	Brief description of each mortgage on property of Duke Energy Kentucky	12(2)(d)
1-2	Amount of bonds authorized and issued and related information	12(2)(e)
2	Notes outstanding and related information	12(2)(f)
2-3	Other indebtedness and related information	12(2)(g)
3	Dividend information	12(2)(h)
4-5	Detailed Income Statement and Balance Sheet	12(2)(i)

13. In accordance with Section 15(2)(a), the Application and supporting testimony provide the evidence to show that the Hebron to Oakbrook Transmission Project is required by public convenience or necessity. The Hebron to Oakbrook Transmission Project will allow Duke Energy Kentucky to continue to provide safe, reliable, and

reasonable electric service to its customers.

14. In accordance with Section 15(2)(b), regarding the filing of franchise agreements, the Company states that it has previously filed with the Commission the applicable franchises from the proper public authorities. Additionally, to the extent a local city or municipality requires the Company obtain a construction permit, the Company will follow such local regulations and obtain any necessary local permits prior to beginning any work. Duke Energy Kentucky will apply for applicable state and federal permits needed for construction of the Project. Duke Energy Kentucky is not aware of any additional permits that will be necessary to complete construction.

15. In accordance with Section 15(2)(c), which requires the Company to provide a full description of the proposed location, route, or routes, including a description of the manner in which the facilities will be constructed, Duke Energy Kentucky respectfully states that the Hebron to Oakbrook Transmission Project will be constructed as described in the testimony accompanying this Application. Exhibit 7 includes a copy of the siting study which depicts the full description of the route and alternative routes considered. Exhibit 8 shows the proposed route and Exhibit 9 shows the alternative route segments considered as part of the route selection study. Because the Company's proposal is applicable only in the Company's service territory, the Project will not compete with any other public utilities, corporations, or persons.

16. In accordance with 807 KAR 5:120 Sections 2(2)(a)-(c), requiring maps showing: a) the location of proposed transmission line centerline and right of way, and boundaries of each property crossed by the transmission line right-of-way as indicated on the property valuation administrator's maps, facilities and plans and specifications and

drawings of the proposed plant, equipment, and facilities; b) sketches of proposed typical transmission line support structures, and; c) a separate map of the same scale showing alternative routes considered, Duke Energy Kentucky respectfully states that Confidential Exhibit 4 and Exhibits 8, 9, and 10 contain the required information.

17. In accordance with 807 KAR 5:120 Sections 2(3) Exhibit 11 includes a verified statement that, according to county property valuation administrator records, each property owner over whose property the transmission line right-of-way is proposed to cross has been sent by first-class mail, addressed to the property owner at the owner's address as indicated by the county property valuation administrator records, or hand delivered. The November 10, 2022, notice included the following information:

a. Notice of the proposed construction;

b. The docket number (Case No. 2022-00364) under which the Application will be processed;

c. The address and telephone number of the Commission’s Executive Director;

d. A description of the property owner’s rights to request a public hearing and the right to request intervention, and;

e. A description of the Project and a map of the proposed transmission line route.

18. In accordance with 807 KAR 5:120 Sections 2(4), Exhibit 12 includes a sample copy of the notice provided to a property owner and a list of the names and addresses of the property owners to whom the notice has been sent.

19. In accordance with 807 KAR 5:120 Sections 2(5), Exhibit 13 includes a copy of the notice of the intent to construct the proposed transmission line that has been published in a newspaper of general circulation in the county or counties in which the construction is proposed.

20. In accordance with 807 KAR 5:120 Sections 2(7), the Company states that Project does not involve sufficient capital outlay to materially affect the existing financial condition of the Company.

21. In accordance with Section 15(2)(e), the Company states that it proposes to finance the construction through continuing operations and debt instruments, as necessary.

22. In accordance with Section 15(2)(f), the Company states that the total estimated cost of the initial construction for the Project is approximately $34 million. The estimated annual ongoing cost of operation of the Hebron to Oakbrook Transmission Line Project once completed is expected to be approximately $10,000 (capital and operations and maintenance (O&M)). Exhibit 6 contains a cost estimate for the Project.

23. Duke Energy Kentucky respectfully states that the Project is needed to provide reliability to growing customer load in Boone County, primarily new expansion at the Greater Cincinnati/Northern Kentucky Airport, as well as other anticipated load growth in the area. Exhibit 14 shows the proposed Project components and the existing system in the area of the Project.

Testimony and Exhibits

24. Additional facts supporting this Application are set forth in the following Direct Testimony attached to this Application as Exhibits 15 through 17:

a. Yanthi W. Boutwell, General Manager of Midwest Transmission Resource & Project Management, provides the need for its construction, engineering components, anticipated schedule and cost for construction;[2]

[2] Exhibit 15.

b. John K. Hurd, Director of Stakeholder Engagement, discusses the siting study that was performed, the proposed route, and permitting for construction of the line, and;[3]

c. Lisa D. Steinkuhl, Director of Rates and Regulatory Planning Ohio/Kentucky, discusses the financial aspects of the Company's Application.[4]

[3] Exhibit 16.
[4] Exhibit 17.

WHEREFORE, Duke Energy Kentucky respectfully requests that the Commission:

1) Issue a CPCN for the construction and implementation of the proposed Hebron to Oakbrook Transmission Line Project.

2) Grant all waivers requested and necessary and other relief to which the Company may be entitled.

Respectfully submitted,

Rocco O. D'Ascenzo (92796)
Deputy General Counsel
Larisa Vaysman
Senior Counsel (98944)
Duke Energy Business Services LLC
139 East Fourth Street, 1303-Main
Cincinnati, Ohio 45202
Phone: (513) 287-4320
Fax: (513) 370-5720
rocco.d'ascenzo@duke-energy.com
larisa.vaysman@duke-energy.com

Counsel for Duke Energy Kentucky, Inc.

CERTIFICATE OF SERVICE

This is to certify that a copy of the foregoing Application of Duke Energy Kentucky, Inc. has been served via electronic mail to the following party on this 6th day of April 2023.

Hon. John G. Horne
Office of the Attorney General
Utility Intervention and Rate Division
700 Capital Avenue, Ste. 20
Frankfort, Kentucky 40601
John.Horne@ky.gov

Rocco O. D'Ascenzo

List of Exhibits

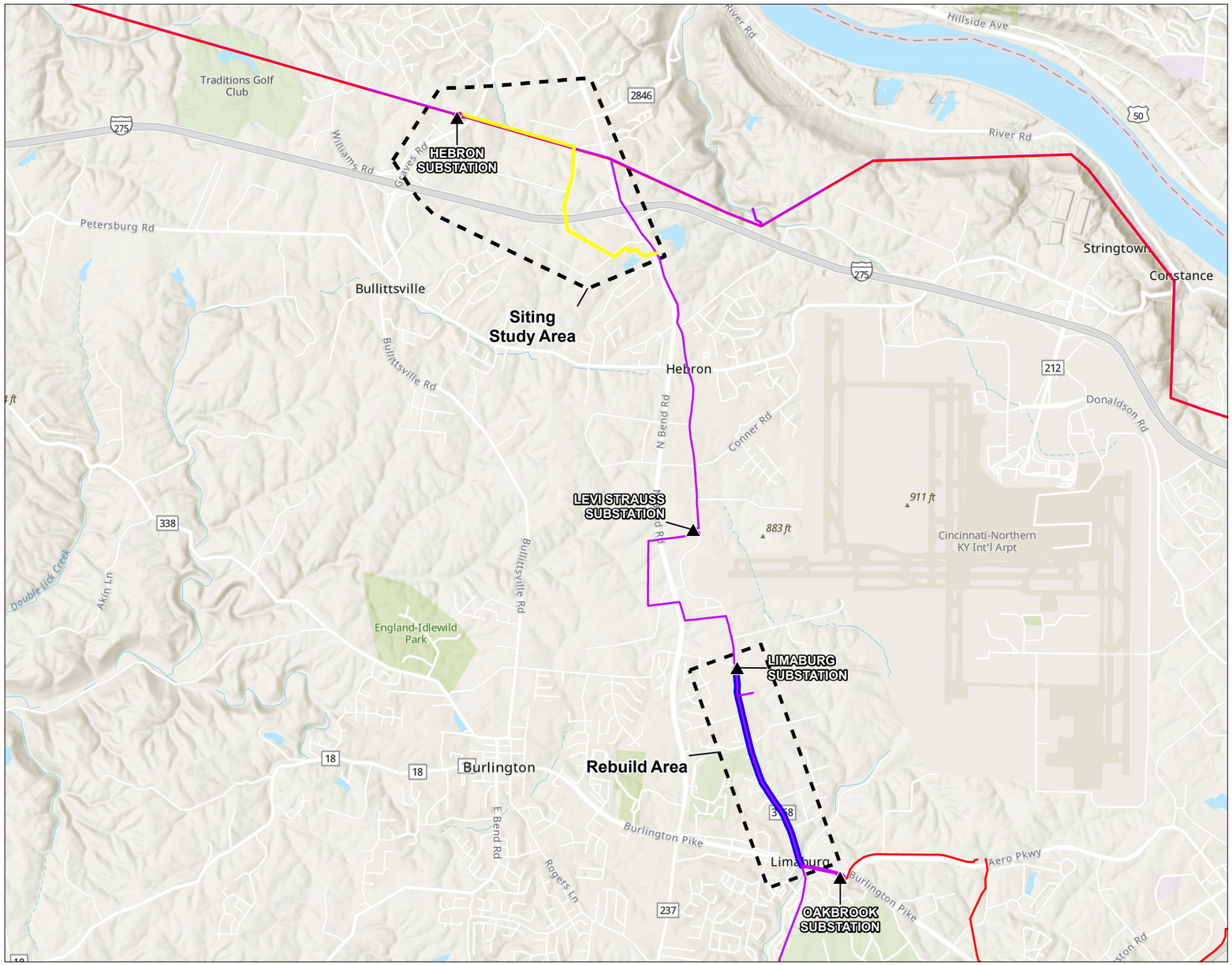


Figure No.
1

Title
Project Location

Client/Project
Duke Energy Kentucky
Hebron to Oakbrook 138 kV Transmission Line Project
193708666

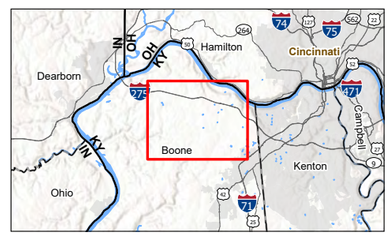
Project Location
Boone Co., Kentucky

Prepared by PM on 2022-08-22
TR by BT on 2021-11-09
IR by TR on 2022-09-08

N

0 1,750 3,500 Feet
(At original document size of 11x17)
1:42,000

Legend
- Study Area
- Duke-owned Existing Substation
- Duke-owned Existing 69 kV Transmission Line
- Duke-owned Existing 138 kV Transmission Line
- Preferred Route
- Rebuild Section



Notes
1. Coordinate System: NAD 1983 StatePlane Kentucky North FIPS 1601 Feet
2. Data Sources: Stantec, Duke, USGS, NADS, PennWell, OSM, EKPC
3. Background: Esri Topographic Map

DUKE ENERGY®

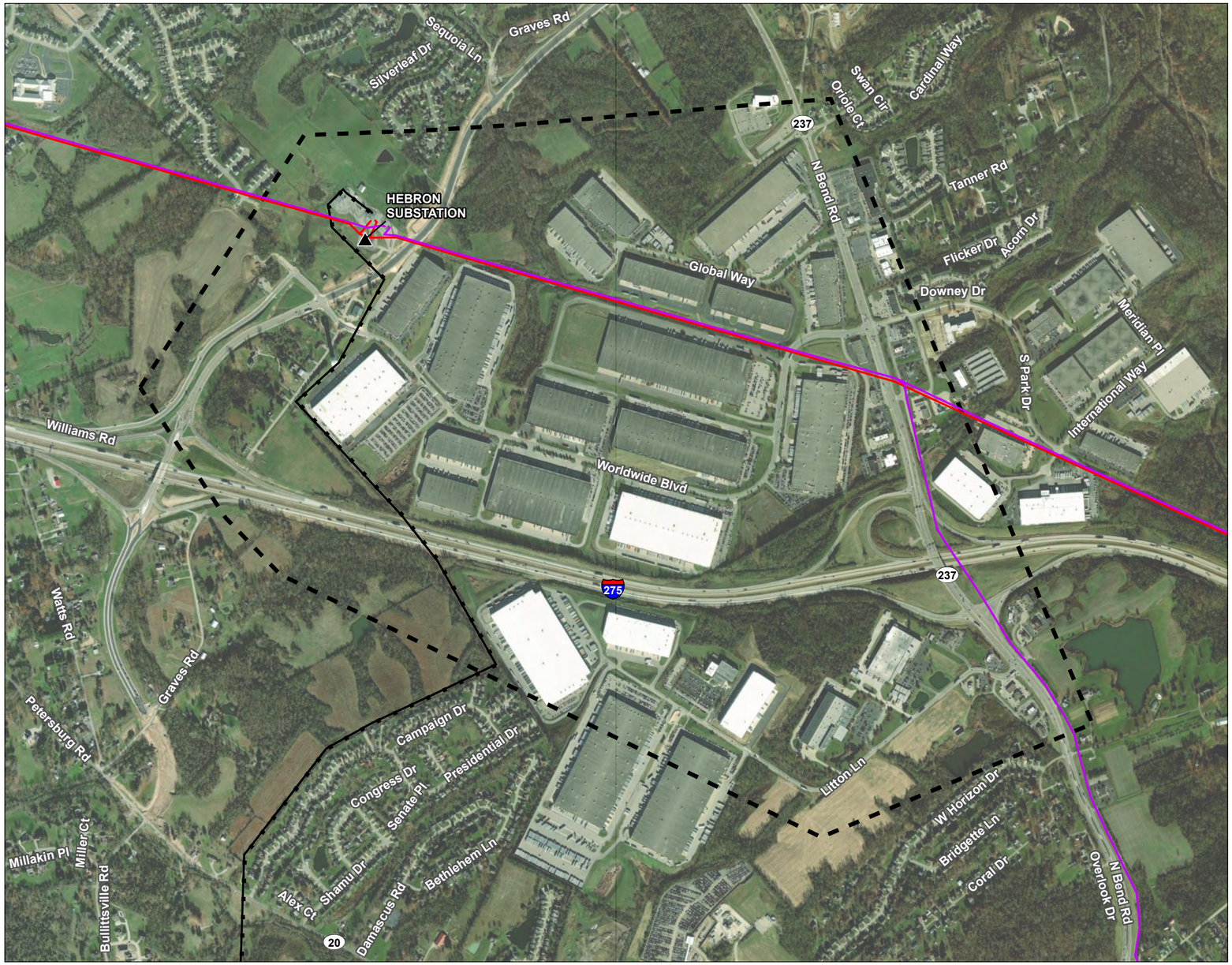


Figure No.
2

Title
Siting Study Area

Client/Project
193708666
Duke Energy Kentucky
Hebron to Oakbrook 138 kV Transmission Line Project

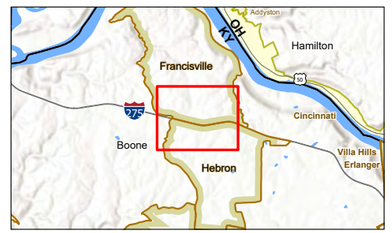
Project Location
Boone Co., Kentucky

Prepared by PM on 2022-08-22
TR by BT on 2021-11-09
IR by TR on 2022-09-08

N

0 500 1,000 Feet
(At original document size of 11x17)
1:12,000

Legend
- Study Area
- Duke-owned Existing Substation
- Duke-owned Existing 69 kV Transmission Line
- Duke-owned Existing 138 kV Transmission Line
- Foreign Owned Existing Transmission Line



Notes
1. Coordinate System: NAD 1983 StatePlane Kentucky North FIPS 1601 Feet
2. Data Sources: Stantec, Duke, USGS, NADS, PennWell, OSM, EKPC
3. Background: Esri World Imagery

DUKE ENERGY®

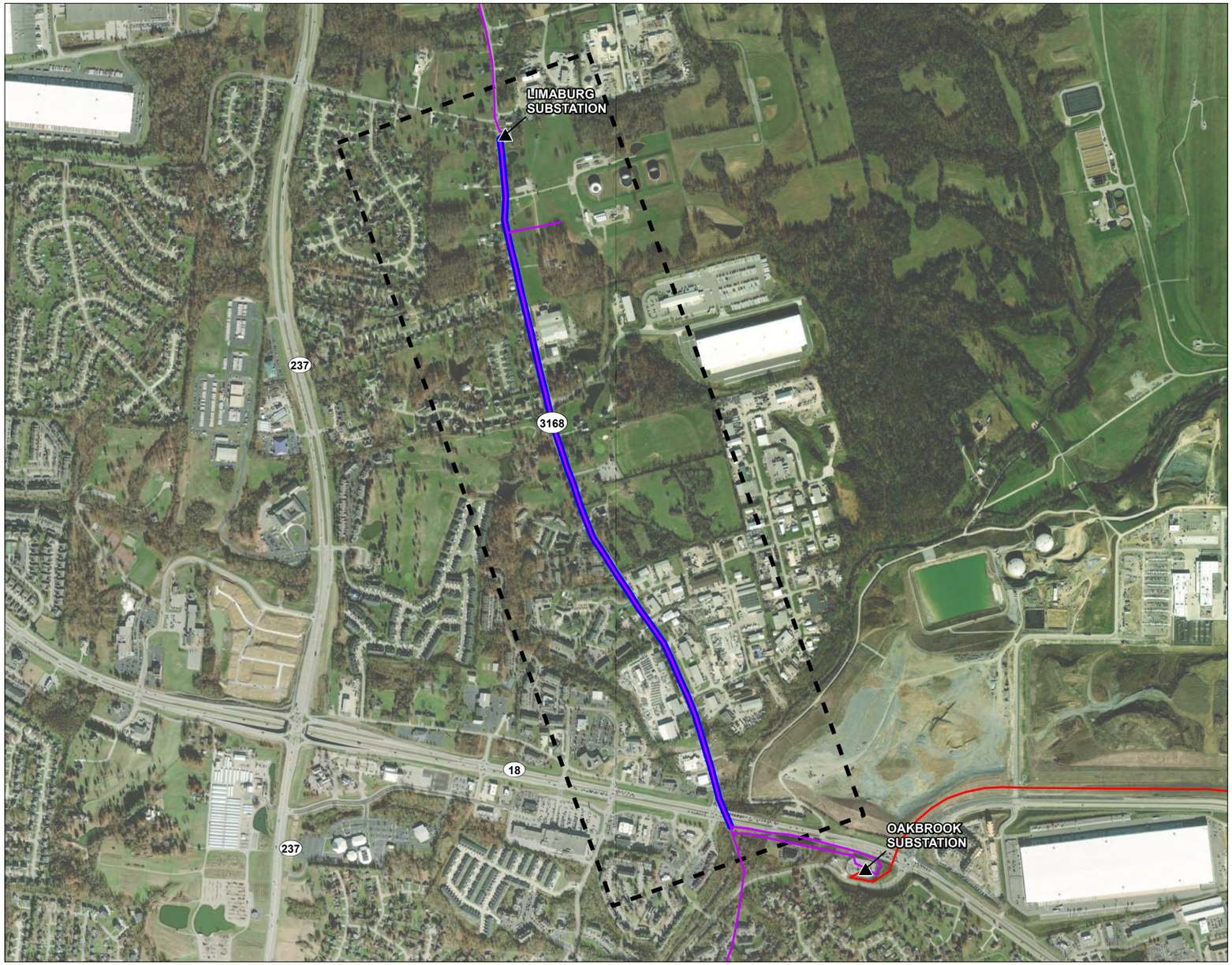


Figure No.
3

Title
Rebuild Project Area

Client/Project
Duke Energy Kentucky
Hebron to Oakbrook 138 kV Transmission Line Project
193708666

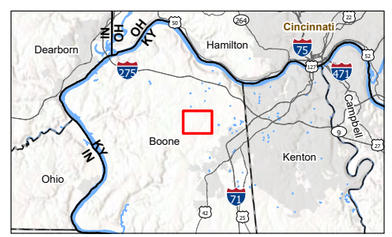
Project Location
Boone Co., Kentucky

Prepared by PM on 2022-08-22
TR by BT on 2021-11-09
IR by TR on 2022-09-08

N

0 500 1,000 Feet
(At original document size of 11x17)
1:12,000

Legend
- Rebuild Area
- Duke-owned Existing Substation
- Duke-owned Existing 69 kV Transmission Line
- Duke-owned Existing 138 kV Transmission Line
- Rebuild Section



Notes
1. Coordinate System: NAD 1983 StatePlane Kentucky North FIPS 1601 Feet
2. Data Sources: Stantec, Duke, USGS, NADS, PennWell, OSM, EKPC
3. Background: Esri World Imagery

DUKE ENERGY®

V:\193708666\03 data\gis_cad\gis\mxds\CPCN\193708666 Hebron to Oakbrook CPCN\193708666 Hebron to Oakbrook CPCN.aprx Revised: 2022-11-10 By: pnielke

CONFIDENTIAL PROPRIETARY TRADE SECRET

APPLICATION
CONFIDENTIAL EXHIBIT 4

FILED UNDER SEAL

FINANCIAL EXHIBIT

(1) Section 12(2)(a) Amount and kinds of stock authorized.

1,000,000 shares of Capital Stock $15 par value amounting to $15,000,000 par value.

(2) Section 12(2)(b) Amount and kinds of stock issued and outstanding.

585,333 shares of Capital Stock $15 par value amounting to $8,779,995 total par value. Total Capital Stock and Additional Paid-in Capital as of December 31, 2022:

Capital Stock and Additional Paid-in Capital
As of December 31, 2022
($ per 1,000)

Capital Stock	$8,780
Premiums thereon	18,839
Total Capital Contributions from Parent (since 2006)	133,594
Contribution from Parent Company for Purchase of Generation Assets	140,061
Total Capital Stock and Additional Paid-in-Capital	$301,274

(3) Section 12(2)(c) Terms of preference or preferred stock, cumulative or participating, or on dividends or assets or otherwise.

There is no preferred stock authorized, issued or outstanding.

(4) Section 12(2)(d) Brief description of each mortgage on property of applicant, giving date of execution, name of mortgagor, name or mortgagee, or trustee, amount of indebtedness authorized to be secured, and the amount of indebtedness actually secured, together with any sinking fund provision.

Duke Energy Kentucky does not have any liabilities secured by a mortgage.

(5) Section 12(2)(e) Amount of bonds authorized, and amount issued, giving the name of the public utility which issued the same, describing each class separately, and giving the date of issue, face value, rate of interest, date of maturity and how secured, together with the amount of interest paid thereon during the last fiscal year.

The Company has fourteen outstanding issues of unsecured senior debentures issued under an Indenture dated December 1, 2004, between itself and Deutsche Bank Trust Company Americas, as Trustee, as supplemented by eight Supplemental Indentures. The Indenture

allows the Company to issue debt securities in an unlimited amount from time to time. The Debentures issued and outstanding under the Indenture are the following:

Supplemental Indenture	Date of Issue	Principal Amount Authorized and Issued	Principal Amount Outstanding	Rate of Interest	Date of Maturity	Interest Paid Year 2022
1st Supplemental	3/7/2006	65,000,000	65,000,000	6.200%	3/10/2036	4,030,000
3rd Supplemental	1/5/2016	45,000,000	45,000,000	3.420%	1/15/2026	1,539,000
3rd Supplemental	1/5/2016	50,000,000	50,000,000	4.450%	1/15/2046	2,225,000
4th Supplemental	9/7/2017	30,000,000	30,000,000	3.350%	9/15/2029	1,005,000
4th Supplemental	9/7/2017	30,000,000	30,000,000	4.110%	9/15/2047	1,233,000
4th Supplemental	9/7/2017	30,000,000	30,000,000	4.260%	9/15/2057	1,278,000
5th Supplemental	10/3/2018	25,000,000	25,000,000	4.010%	10/15/2023	1,002,500
5th Supplemental	10/3/2018	40,000,000	40,000,000	4.180%	10/15/2028	1,672,000
5th Supplemental	12/12/2018	35,000,000	35,000,000	4.620%	12/15/2048	1,617,000
6th Supplemental	7/17/2019	40,000,000	40,000,000	4.320%	7/15/2049	1,728,000
7th Supplemental	9/15/2019	95,000,000	95,000,000	3.230%	10/01/2025	3,068,500
7th Supplemental	9/15/2019	75,000,000	75,000,000	3.560%	10/01/2029	2,670,000
8th Supplemental	9/15/2020	35,000,000	35,000,000	2.650%	9/15/2030	927,500
8th Supplemental	9/15/2020	35,000,000	35,000,000	3.660%	9/15/2050	1,281,000
			630,000,000			25,276,500

(6) Section 12(2)(f) Each note outstanding, giving date of issue, amount, date of maturity, rate of interest, in whose favor, together with amount of interest paid thereon during the last fiscal year.

The Company has one outstanding $50,000,000 unsecured, two-year bank term loan note issued on October 12, 2021. Interest accrues at an annual rate equal to 60 basis points plus Daily Simple SOFR (Secured Overnight Financing Rate) and is paid quarterly. The term loan will mature on October 12, 2023.

Note Outstanding	Date of Issue	Principal Amount Authorized and Outstanding	Rate of Interest	Date of Maturity	Interest Paid Year 2022
Term Loan	10/12/2021	50,000,000	SOFR + 60bps	10/12/2023	1,257,234

(7) Section 12(2)(g) Other indebtedness, giving same by classes and describing security, if any, with a brief statement of the devolution or assumption of any portion of such indebtedness upon or by person or corporation if the original

liability has been transferred, together with amount of interest paid thereon during the last fiscal year.

The Company has two series of Pollution Control Revenue Refunding Bonds issued under a Trust Indenture dated as of August 1, 2006 and a Trust Indenture dated as of December 1, 2008, between the County of Boone, Kentucky and Deutsche Bank National Trust Company as Trustee. The Company's obligation to make payments equal to debt service on the Bonds is evidenced by a Loan Agreement dated as of August 1, 2006 and December 1, 2008 between the County of Boone, Kentucky and Duke Energy Kentucky. The Bonds issued under the Indentures are below. On Nov 1, 2021, the Company bought in the Series 2008A bond, and remarketed the bond in June 2022.

Indenture	Date of Issue	Principal Amount Authorized and Issued	Principal Amount Outstanding	Rate of Interest	Date of Maturity	Interest Paid Year 2022
Series 2010	11/24/2010	26,720,000	26,720,000	3.86% (1)	8/1/2027	1,031,392
Series 2008A	12/01/2011	50,000,000	50,000,000	3.70% (2)	8/1/2027	945,558
			76,720,000			1,976,950

(1) The bonds were issued at a variable-rate and were swapped to a fixed rate of 3.86% for the life of the debt.
(2) Bonds were remarketed in June 2022 under a fixed-to-maturity interest rate mode (3.70% coupon).

The Company has no outstanding financing leases as of December 31, 2022.

The Company also has $106,232,000 of money pool borrowings outstanding as of December 31, 2022, $25,000,000 of which is classified as Long-Term Debt payable to affiliated companies. This obligation, which is short-term by nature, is classified as long-term due to Duke Energy Kentucky's intent and ability to utilize such borrowings as long-term financing.

(8) Section 12(2)(h) Rate and amount of dividends paid during the last five (5) previous fiscal years, and the amount of capital stock on which dividends were paid each year.

DIVIDENDS PER SHARE

Year Ending	Per Share	Total	No. of Shares	Par Value of Stock
December 31, 2018	0	0	585,333	8,779,995
December 31, 2019	0	0	585,333	8,779,995
December 31, 2020	0	0	585,333	8,779,995
December 31, 2021	0	0	585,333	8,779,995
December 31, 2022	0	0	585,333	8,779,995

(9) Section 12(2)(i) A detailed Income Statement and Balance Sheet.

DUKE ENERGY KENTUCKY, INC.
CONDENSED STATEMENTS OF OPERATIONS
(Unaudited)
(In thousands)

	Twelve Months Ended December 31 2022
Operating Revenues	
Electric	512,319
Gas	155,810
Total operating revenues	**668,129**
Operating Expenses	
Fuel used in electric generation and purchased power	240,849
Natural gas purchased	70,707
Operation, maintenance and other	140,987
Depreciation and amortization	90,912
Property and other taxes	22,427
Goodwill and other impairment charges	6,910
Total operating expenses	**572,792**
Gains on Sales of Other Assets and Other, net	**180**
Operating Income	**95,517**
Other Income and Expenses, net	**3,856**
Interest Expense	**28,815**
Income Before Income Taxes	**70,558**
Income Tax Expense	**12,006**
Income From Continuing Operations	**58,552**
Income From Discontinued Operations, net of tax	**-**
Net Income	**58,552**

DUKE ENERGY KENTUCKY, INC.
Condensed Balance Sheets
(Unaudited)

(in thousands, except share amounts)	December 31, 2022
ASSETS	
Current Assets	
Cash and Cash Equivalents	3,326
Receivables (net of allowance for doubtful accounts)	21,799
Receivables from affiliated companies	55,519
Notes Receivables from affiliated companies	-
Inventory	58,276
Regulatory Assets	34,489
Other	31,208
Total Current Assets	204,617
Property, Plant and Equipment	
Cost	3,231,542
Less Accumulated Depreciation and Amortization	(1,069,120)
Generation Facilities To Be Retired	-
Net Property Plant and Equipment	2,162,422
Other Noncurrent Assets	
Regulatory Assets	70,541
Operating Lease Right-of-Use assets	8,016
Other	17,562
Total Other Noncurrent Assets	96,119
Total Assets	**2,463,158**
LIABILITIES AND COMMON STOCKHOLDERS' EQUITY	
Current Liabilities	
Accounts Payable	65,534
Accounts payable to affiliated companies	20,648
Notes payable to affiliated companies	81,232
Taxes Accrued	43,692
Interest Accrued	7,797
Current Maturities of Long-Term Debt	74,980
Asset Retirement Obligations	17,065
Regulatory Liabilities	25,644
Other	15,260
Total Current Liabilities	351,852
Long-Term Debt	**679,177**
Notes payable to affiliated companies	**25,000**
Other Noncurrent Liabilities	
Deferred Income Taxes	276,717
Asset Retirement Obligations	90,756
Regulatory Liabilities	103,361
Operating Lease Liabilities	8,034
Accrued Pension and Other Post-Retirement Benefit Costs	27,057
Other	21,019
Total Other Noncurrent Liabilities	526,944
Commitments and Contingencies	**-**
Equity	
Common Stock, $15.00 par value, 1,000,000 shares authorized and 585,333 shares outstanding	8,780
Additional Paid in Capital	292,494
Retained Earnings	578,911
Total Duke Energy Corporation Stockholders' Equity	880,185
Noncontrolling Interests	-
Total Liabilities and Equity	**2,463,158**

Detail Project: M21037401 Limaburg-Oakbrook RLE					
Category	Estimated Cost		FERC Account / Plant	Description	Estimated Cost
Labor	$ 59,134.00		355	Poles and Fixtures	$ -
Outside Services	$ 600.00		356	Overhead Conductors and Devices	$ -
Material	$ 485.00		354	Towers and Fixtures	$ -
Indirects	$ 16,177.00		350	Land and Land Rights	$ 200,766.00
Contingency	$ 33,461.00		357	Underground Conduit	$ -
Grants and Easements	$ 90,909.00		358	Underground Conductors and Devices	$ -
Total	***$ 200,766.00***		***Total***		***$ 200,766.00***

Detail Project: M21037402 Hebron-Route 237 RLE					
Category	Estimated Cost		FERC Account / Plant	Description	Estimated Cost
Labor	$ 191,241.00		355	Poles and Fixtures	$ -
Outside Services	$ 2,067.00		356	Overhead Conductors and Devices	$ -
Material	$ 356.00		354	Towers and Fixtures	$ -
Indirects	$ 113,828.00		350	Land and Land Rights	$ 2,768,990.00
Contingency	$ 461,498.00		357	Underground Conduit	$ -
Grants and Easements	$ 2,000,000.00		358	Underground Conductors and Devices	$ -
Total	***$ 2,768,990.00***		***Total***		***$ 2,768,990.00***

Detail Project: M19030902 Hebron to 15268C Tap-Install New 69 kV Line					
Category	Estimated Cost		FERC Account / Plant	Description	Estimated Cost
Labor	$ 5,026,044.00		355	Poles and Fixtures	$ 16,509,252.00
Outside Services	$ 2,405,100.00		356	Overhead Conductors and Devices	$ 1,242,632.00
Material	$ 4,509,590.00		354	Towers and Fixtures	$ -
Indirects	$ 3,495,687.00		350	Land and Land Rights	$ -
Contingency	$ 2,315,463.00		357	Underground Conduit	$ -
Grants and Easements	$ -		358	Underground Conductors and Devices	$ -
Total	***$ 17,751,884.00***		***Total***		***$ 17,751,884.00***

Detail Project: M19030903 Feeder 6763-Rebuild Oakbrook to Limaburg					
Category	Estimated Cost		FERC Account / Plant	Description	Estimated Cost
Labor	$ 2,493,754.00		355	Poles and Fixtures	$ 6,399,764.00
Outside Services	$ 2,131,500.00		356	Overhead Conductors and Devices	$ 1,501,180.00
Material	$ 1,666,688.00		354	Towers and Fixtures	$ -
Indirects	$ 1,890,408.00		350	Land and Land Rights	$ -
Contingency	$ 1,227,353.00		357	Underground Conduit	$ -
Grants and Easements	$ -		358	Underground Conductors and Devices	$ -
			108	Cost of Removal	$ 1,508,759.00
Total	***$ 9,409,703.00***		***Total***		***$ 9,409,703.00***

Detail Project: M190309DL1 F6763 Underbuild Limaburg					
Category	Estimated Cost		FERC Account / Plant	Description	Estimated Cost
Labor	$ 225,296.00		364	Poles and Fixtures	$ 115,414.00
Outside Services	$ 40,633.00		365	Overhead Conductors and Devices	$ 363,754.00
Material	$ 22,562.00		364	Towers and Fixtures	$ -
Indirects	$ 145,345.00		360	Land and Land Rights	$ -
Contingency	$ 65,075.00		366	Underground Conduit	$ -
Grants and Easements	$ -		367	Underground Conductors and Devices	$ 19,743.00
Total	***$ 498,911.00***		***Total***		***$ 498,911.00***

Detail Project: M190309DL3 New 15264 Transfer					
Category	Estimated Cost	FERC Account / Plant	Description	Estimated Cost	
Labor	$ 9,585.00	364	Poles and Fixtures	$	-
Outside Services	$ 127.00	365	Overhead Conductors and Devices	$	16,936.00
Material	$ -	364	Towers and Fixtures	$	-
Indirects	$ 5,015.00	360	Land and Land Rights	$	-
Contingency	$ 2,209.00	366	Underground Conduit	$	-
Grants and Easements	$ -	367	Underground Conductors and Devices	$	-
Total	***$ 16,936.00***	***Total***		***$***	***16,936.00***

Detail Project: M19030901 Hebron Install 69kV CB					
Category	Estimated Cost	FERC Account / Plant	Description	Estimated Cost	
Labor	$ 1,215,115.00	355	Poles and Fixtures	$	-
Outside Services	$ 270,300.00	356	Overhead Conductors and Devices	$	-
Material	$ 663,747.00	354	Towers and Fixtures	$	-
Indirects	$ 677,494.00	350	Land and Land Rights	$	-
Contingency	$ 423,998.00	352	Structures and Improvements	$	2,763,056.00
Grants and Easements	$ -	353	Station Equipment	$	487,598.00
Total	***$ 3,250,654.00***	***Total***		***$***	***3,250,654.00***

Detail Project: M19030906 Limaburg Station Uprate					
Category	Estimated Cost	FERC Account / Plant	Description	Estimated Cost	
Labor	$ 81,723.00	355	Poles and Fixtures	$	-
Outside Services	$ 17,900.00	356	Overhead Conductors and Devices	$	-
Material	$ 4,420.00	354	Towers and Fixtures	$	-
Indirects	$ 31,858.00	350	Land and Land Rights	$	-
Contingency	$ 20,385.00	352	Structures and Improvements	$	156,286.00
Grants and Easements	$ -	353	Station Equipment	$	-
Total	***$ 156,286.00***	***Total***		***$***	***156,286.00***

Detail Project: M19030907 Levi Strauss Station Uprate					
Category	Estimated Cost	FERC Account / Plant	Description	Estimated Cost	
Labor	$ 39,715.00	355	Poles and Fixtures	$	-
Outside Services	$ 9,000.00	356	Overhead Conductors and Devices	$	-
Material	$ 2,210.00	354	Towers and Fixtures	$	-
Indirects	$ 16,418.00	350	Land and Land Rights	$	-
Contingency	$ 10,101.00	352	Structures and Improvements	$	77,444.00
Grants and Easements	$ -	353	Station Equipment	$	-
Total	***$ 77,444.00***	***Total***		***$***	***77,444.00***

Detail Project: M19030908 Oakbrook Sub 15264 Changes					
Category	Estimated Cost	FERC Account / Plant	Description	Estimated Cost	
Labor	$ 58,720.00	355	Poles and Fixtures	$	-
Outside Services	$ 13,300.00	356	Overhead Conductors and Devices	$	-
Material	$ 16,575.00	354	Towers and Fixtures	$	-
Indirects	$ 29,019.00	350	Land and Land Rights	$	-
Contingency	$ 17,642.00	352	Structures and Improvements	$	135,256.00
Grants and Easements	$ -	353	Station Equipment	$	-
Total	***$ 135,256.00***	***Total***		***$***	***135,256.00***

Stantec

Hebron to Oakbrook Reliability Project
138 kV Transmission Line Route
Selection Study Report

Boone County, Kentucky

Project No. M210374

November 2, 2022

Prepared for:

Duke Energy Kentucky, Inc.
139 East Main Street
Cincinnati, OH 45202

Prepared by:

Stantec Consulting Services Inc.
11687 Lebanon Road
Cincinnati, OH 45251

Sign-off Sheet

This document entitled Hebron to Oakbrook 138 kV Transmission Line Route Selection Study was prepared by Stantec Consulting Services Inc. ("Stantec") for the account of Duke Energy Kentucky, Inc. (the "Client"). Any reliance on this document by any third party is strictly prohibited. The material in it reflects Stantec's professional judgment in light of the scope, schedule and other limitations stated in the document and in the contract between Stantec and the Client. The opinions in the document are based on conditions and information existing at the time the document was published and do not take into account any subsequent changes. In preparing the document, Stantec did not verify information supplied to it by others. Any use which a third party makes of this document is the responsibility of such third party. Such third party agrees that Stantec shall not be responsible for costs or damages of any kind, if any, suffered by it or any other third party as a result of decisions made or actions taken based on this document.

Prepared by Sydney Edwards

(signature)

Sydney Edwards

Reviewed by Meghan P. Lind

(signature)

Meghan Lind

Approved by

(signature)

Tennile Rubin

Table of Contents

LIST OF FIGURES

LIST OF APPENDICES

Executive Summary

Stantec Consulting Services Inc. (Stantec) was retained by Duke Energy Kentucky, Inc. (Duke Energy) to conduct a Route Selection Study for a new 138 kV transmission line from the Hebron Substation to the Oakbrook Substation located in the Cities of Francisville and Hebron in Boone County, Kentucky (the Project). As part of the Project, the current three-terminal circuit at the Hebron Substation will be split into two, two-terminal circuits, allowing for the retirement of circuit #6763 that currently feeds the Oakbrook Substation. Future plans include increasing the new line to 138 kV although it will initially be operated at 69 kV. The Project will alleviate reliability concerns and prepare for expected load growth within Boone County.

To select a Preferred Route for this new transmission line, a Siting Team followed a detailed siting process to review opportunities and constraints in the Study Area. The Route Selection Study included identification of an approximately 1.6-square mile Study Area, data collection, identification of Route Segments, identification of Route Alternatives, quantification of siting criteria for each Route Alternative, evaluation of qualitative factors, alternatives comparison, and the selection of a Preferred Route. The Study Area is primarily made up of industrial and commercial land uses with a few small areas of residential and undeveloped lands. Twenty-nine route alternatives were identified within the Study Area that require from 1.7 to 2.5 miles of new circuit. Primary factors driving the evaluation include engineering, land use, and ecological impacts. There are no anticipated impacts to cultural resources along any of the route alternatives. The main ecological drivers included wetlands, tree clearing, and streams crossed, mostly associated with Sand Run. There are a few residences, institutional, and sensitive land uses throughout the study area but most of the properties crossed are industrial and commercial businesses. Route length, steep slope crossings, length of existing utilities within ROW, and number of turn angles were the major drivers of the engineering challenges identified during the route analysis.

The Siting Team identified a Segment Network comprised of 27 Route Segments based on opportunities and constraints in the Study Area. After the Segment Network was developed, Duke Energy was informed by EKPC during the public outreach portion of the Study, that they also plan to construct a 69 kV transmission line within the Study Area and have a preferred route selected. This resulted in the removal of all segments that conflicted with EKPC's proposed route (Route Segments 11, 16, 17, and 18) from further consideration because there was not sufficient room to build both the EKPC line and this proposed transmission line along those segments. This reduced the potential route alternatives from 43 to 29. The remaining 29 route alternatives were all considered feasible and were evaluated for selection as the preferred route.

After the 29 route alternatives were identified, additional information about proposed development in the study area was discovered that impacted the route selection process. It was discovered that St. Elizabeth started constructing new medical office buildings along segments 20, 22, and 23 and has plans for more development on those properties that conflicts with being able to construct a transmission line. Therefore, based on the qualitative and quantitative review, route alternatives that utilized segments 20, 22, and 23 were not chosen as the preferred route.

Based on the comprehensive quantitative and qualitative evaluation, Route L was selected as the preferred route. This route is approximately 2.1 miles in length and utilizes segments 2, 5, 7, 13, 14, 15, 19, 21, and 24. While Route L scored 12th out of 29 potential routes, there were numerous

qualitative factors that resulted in it being selected as the preferred route. It was determined that routes that utilized segments 25 and 26 along North Bend Road north of Interstate 275 would require crossing over the new EKPC line along North Bend Road. The crossing of the EKPC line in this area would require potential pole heights of 150' to 160' near the Federal Aviation Administration (FAA) height threshold for Cincinnati/Northern Kentucky International Airport (CVG). The area around segment 12 crossing North Bend Road north of Interstate 275 is very congested with existing utilities and commercial business and would potentially require engineered poles that could significantly impact the gas station on the east side of North Bend Road as well as additional businesses. Routes that utilized segment 19 were identified as beneficial because it would allow Duke Energy Kentucky to relocate the existing transmission line within KYTC road right of way (ROW) and construct the new line without any new structures within KYTC ROW. Segments 21 and 24 were selected south of Interstate 275 to avoid impacting the development on St. Elizabeth's property. To traverse the industrial park, the team selected segments 2, 5, 7, 13, and 14, over segments 1, 3, and 10 to utilize the existing transmission corridor and reduce impacts to commercial buildings and existing infrastructure along Worldwide Boulevard.

Abbreviations

CPCN	Certificate of Public Convenience and Necessity
Duke Energy	Duke Energy Kentucky, Inc.
EKPC	Eastern Kentucky Power Cooperative
FEMA	Federal Emergency Management Agency
GIS	geographic information system
IPaC	U.S. Fish & Wildlife Service Information for Planning and Consultation
kV	kilovolt
KYTC	Kentucky Transportation Cabinet
NAIP	National Agriculture Imagery Program
NLAA	not likely to adversely affect
NRCS	Natural Resources Conservation Service
NHD	National Hydrography Dataset
NPS	National Park Service
NRHP	National Register of Historic Places
NWI	National Wetlands Inventory
PSC	Public Service Commission
ROW	right-of-way
Stantec	Stantec Consulting Services Inc.
T/E	threatened or endangered
USACE	United States Army Corps of Engineers
USDA	United States Department of Agriculture
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey

1.0 INTRODUCTION

Duke Energy Kentucky, Inc. (Duke Energy) is planning a new 138 kilovolt (kV) transmission line in the Cities of Francisville and Hebron in Boone County, Kentucky. The new line will connect the existing Hebron Substation with the Oakbrook Substation via a tie-in with a Duke Energy-owned 69 kV line between Limaburg and Oakbrook Substations (the Project) (Figure 1). Duke Energy retained Stantec Consulting Services Inc. (Stantec) to complete a Route Selection Study to identify and evaluate potential routes for the proposed Project.

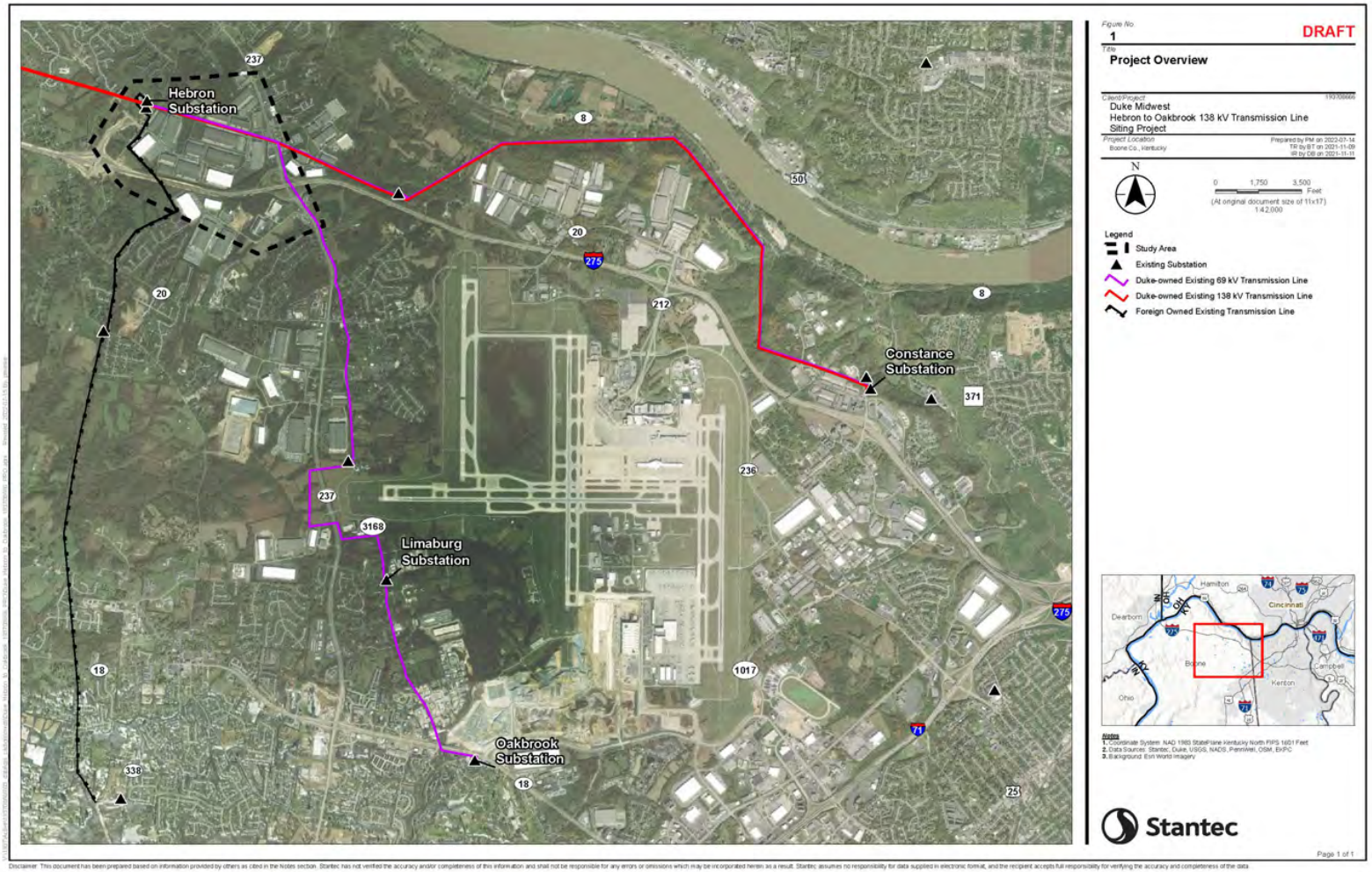
As part of the Project, the current three-terminal circuit at the Hebron Substation will be split into two two-terminal circuits, allowing for the retirement of circuit #15268. Future plans include increasing the voltage of this new circuit between Hebron and Oakbrook to 138 kV although it will initially be operated at 69 kV. The future upgrade to 138 kV will require rebuilding portions of the existing circuit to handle the increased voltage. Because the future plan to operate this circuit to 138 kV, the plan is to construct this new line to 138 kV capacity to avoid rebuilding the line in the future. Since the line is expected to be over 1 mile in length and capable of handling 138 kV capacity, a certificate of public convenience and necessity (CPCN) from the Kentucky Public Service Commission (PSC) is required prior to construction.

1.1 PURPOSE AND NEED

The Project is planned to address expected load growth and reliability concerns within Boone County. This Project will add capacity for future growth in the region, increase reliability by providing alternatives for operations during planned or unexpected outages, allow flexibility for providing critical energy, and help maintain a robust system for supplying and delivering electric service. Future plans to account for expected load growth include energizing the new line to 138 kV. The Project is part of a larger reliability project that will include rebuilding an existing 69 kV transmission line and its associated equipment from Limaburg Substation along Limaburg Road in Hebron to Burlington Pike in Burlington.

Duke Energy has a state and federally mandated responsibility to provide reliable electric service. The Project will deliver safe, reliable electricity via an optimized route that minimizes project costs and impacts to existing utility infrastructure (substations and transmission lines) and property owners and minimizes or avoids impacts to the natural and built environment. The purpose of the Route Selection Study was to evaluate potential routes for the Project to alleviate reliability concerns and prepare for future growth while meeting these other objectives.

HEBRON TO OAKBROOK 138 KV TRANSMISSION LINE SITING STUDY



1.2 PROJECT DESCRIPTION AND REQUIREMENTS

1.2.1 Project Description

The Project will include a new transmission line between the Hebron Substation and Tap to Limaburg 69 kV line along Highway 237/North Bend Road in Boone County, Kentucky (**Appendix A, Figures A-1 and A-2**). The proposed line will be owned and operated by Duke Energy Kentucky.

1.2.2 Project Requirements

The siting guidelines below were applied throughout the route evaluation process:

1.2.2.1 System Planning Requirements

- Meet the electrical need and requirements in an economic and reliable way.

1.2.2.2 Engineering Requirements/Planning Considerations

- Secure right-of-way (ROW) width of 100 feet cross-country and 70 feet parallel and adjacent to road ROW.
- Evaluate paralleling existing utility and transportation corridors
- Avoid or minimize severance of parcel boundaries to extent practicable
- Avoid or minimize interference with existing land uses
- Avoid or minimize route angles greater than 30 degrees
- Avoid or minimize slopes steeper than 20%
- Avoid or minimize spans greater than 400 feet
- Minimize route length, circuity, cost, and special design requirements

1.2.2.3 Impacts to the Natural Environment and Land Use

Where possible:

- Avoid or minimize the removal or substantial interference with existing residences.
- Minimize the removal of existing barns, garages, commercial buildings, and other non-residential structures.
- Avoid or minimize interference with the use and operation of existing schools, recognized places of worship, cemeteries, and facilities used for cultural, historical, and recreational purposes.
- Maximize the sharing or paralleling of existing ROWs unless paralleling interferes with the safe operation or maintenance of the new line or existing facility.
- Avoid or minimize interference with economic activities, including agricultural and silvicultural activities.
- Avoid or minimize interference with existing/future land uses (planned developments/road construction activities)
- Avoid or minimize siting structures within Federal Emergency Management Agency (FEMA)-mapped floodways
- Avoid or minimize the crossing of environmentally and culturally sensitive lands, such as recreation lands; historic sites; national and state forests and parks; nature

preserves; conservation lands and easements; large reservoirs and large wetland complexes; critical habitat; and other unique or distinct natural resources.
- Where crossings of sensitive lands are unavoidable, maximize the use of existing crossings.
- Avoid crossing federal, state, and municipal lands.
- Avoid or minimize substantial visual impact on residential areas and public resources.
- Avoid or minimize interference with regulated airspace.

1.3 PROJECT TIMELINE AND REGULATORY APPROVALS

Duke Energy plans to begin construction on the Project in early 2024 with a goal of having the new line constructed and in service by December 2024. Because the future plan is to energize the line to 138 kV and the line is expected to be over 1 mile in length, the requirement for a CPCN from the Kentucky PSC is triggered.

Through coordination with the U.S. Fish and Wildlife Service (USFWS), several threatened or endangered (T/E) species have been identified as possibly existing within the Study Area. Upon selection of a Preferred Route, additional agency coordination may be required to determine the need for species/habitat surveys and if construction restrictions are necessary. County construction and environmental permits will need to be obtained prior to construction.

1.4 GOAL OF THE ROUTE SELECTION STUDY

The goal of the Route Selection Study was to evaluate potential routes and select a preferred route to prepare for expected load growth within Boone County and alleviate reliability concerns while considering Duke Energy's long-term business needs and avoiding or minimizing undesired impacts to the environment and community.

2.0 ROUTE SELECTION METHODOLOGY

At the beginning of the route selection process, a multidisciplinary Siting Team was established to evaluate the site requirements, opportunities, and constraints. The Siting Team was comprised of Duke Energy and Stantec staff experienced in siting, planning, public engagement, engineering, permitting, vegetation management, project management, asset protection, community and government relations, construction, and real estate.

2.1 STUDY AREA

In consultation with the Siting Team, a siting Study Area was established. The Study Area is defined as the area in which alternative routes can be identified to meet the Project's purpose and need while minimizing social and ecological impacts and Project costs.

2.2 SITING CRITERIA SELECTION AND DATA COLLECTION

Environmental, cultural, land use, social, and engineering data were collected and mapped in a geographic information system (GIS) to identify constraints and opportunities within the Study Area. Constraints are specific areas that should be avoided to the extent practicable during the route selection process. Opportunities are locations where the proposed line routes might be located while minimizing or avoiding adverse ecological or social impacts. After the Siting Team reviewed the specific opportunities and constraints in the Study Area, Project-specific siting criteria were established for identifying and evaluating Route Alternatives.

2.3 IDENTIFICATION OF ROUTE ALTERNATIVES

The Siting Team used the guidelines (see Section 1.2.2) and opportunities and constraints observed in the Study Area to develop a Segment Network. The Siting Team then reviewed this network to identify any fatal flaws, engineering feasibility and constructability issues, and data gaps. Members of the Siting Team reviewed segments in the field, and then combined them to create full-length Route Alternatives, which were used in the evaluation process.

2.4 ALTERNATIVE ROUTE EVALUATION

Once the Route Alternatives were identified, Stantec conducted a comparative analysis using Project-specific data, which included quantitative scoring and ranking based on the evaluation criteria (see Section 2.2). The quantitative analysis began by grouping the opportunities and constraint data assembled as part of the Project GIS into three tiers (criteria group, criteria, and sub-criteria). The data were then weighted with regards to sensitivity to electrical transmission line construction and operation. The weights assigned to the criteria were based on Project-specific considerations and the combined experience of the Siting Team.

Each sub-criterion was calculated by route and the raw data were normalized so that the data could be combined in the analysis. The following formula was used for the normalization:

Normalized value for criterion = value of criterion for route / maximum value for all routes

An example is provided below:

Properties with unique ownership crossed by ROW criterion for Route A = 24 / 27

Where: 24 is the number of properties with unique ownership for Route A

27 is the maximum number of properties with unique ownership for any route

A weighted multiplier was then applied to the normalized value to arrive at a score for that sub-criterion. The weighted multipliers for each sub-criterion were established by multiplying the criteria group, criteria, and sub-criteria weights together. For example, the weighted multiplier for the "Number of properties with unique ownership" sub-criterion was 0.0350, whereby the sub-criteria weight of 100 percent was multiplied by properties crossed criteria weight of 10 percent and the land use criteria group weight of 35 percent. The sub-criterion scores for each route were then added together to arrive at a composite score for that route, with lower scores being more favorable.

2.4.1 Public and Stakeholder Engagement

Project evaluation included two virtual open houses and a 30-day public comment period. Public engagement specialists prepared a virtual open house, which provided an overview of the Project need, details, schedule, and construction details, and an interactive map of the Route Alternatives. Details about the virtual open house were distributed by mail to property owners within 500 feet of the Routes. Comments could be submitted by comment form, email, or phone and were considered in the refinement of Route Alternatives.

2.5 SELECTION OF PREFERRED ROUTE

The Siting Team reviewed the evaluation results and public comments received, assessed potential impacts to the community and natural environment, and identified potential barriers or challenges to the construction and operation of the Route Alternatives. Using the quantitative and qualitative criteria, the Siting Team selected a Preferred Route that met the overall need of the Project while minimizing potential impacts to the extent possible.

3.0 ROUTE EVALUATION RESULTS

3.1 STUDY AREA DELINEATION

The Siting Team identified a 1.6-square mile Study Area for data collection and identification of Route Alternatives. The Study Area is primarily comprised of commercial and industrial buildings and associated facilities with some small residential developments and areas of fields and forest (**Appendix A**, **Figures A-1 and A-2**).

The Study Area encompassed the Hebron Substation in the northwest corner and is crossed by Interstate 275 east/west through the southern portion of the Study Area. Highway 237/North Bend Road forms the Study Area's eastern edge. The boundary extends south to include Litton Lane but largely excludes the residential areas to the south of Interstate 275. The northern boundary bisects a forested/agricultural area to include the industrial area to the north of Duke Energy's existing 69-kV and 138-kV transmission lines. The western boundary extends west of the Hebron Substation and around the new Graves Road and Interstate 275 interchange. There are small residential areas located in the western most portion of the Study Area, north of the Hebron Substation, and along the southern and eastern boundaries of the Study Area. There is a commercial district along Highway 237/North Bend Road that includes multiple restaurants and commercial facilities, two childcare facilities, a public library, a church, and a few primary care offices. Additionally, there is a fire station located immediately south of the existing Hebron Substation (**Appendix A, Figure A-6**).

There is one perennial stream, Sand Run, and multiple intermittent streams and potential waterbodies and wetlands within the Study Area (**Appendix A, Figure A-5**). There were no FEMA flood zones associated with Sand Run or any of the intermittent streams within the Study Area (**Appendix A, Figure A-5**).

According to the cultural and archeological review report, there were 15 previously recorded archaeological sites recorded within the Study Area (**Appendix A, Figure A-5**). All archaeological sites either do not meet National Register criteria or are considered totally disturbed[1]. There were 34 Kentucky Heritage Council Historic Resources identified within the Study Area (**Appendix A, Figure A-5**); none of them are listed on the National Register of Historic Places (NRHP) and most are likely ineligible or destroyed. Only one Historic Resource (BE 109, William Watts House) was determined eligible for the NRHP; however, the owner objected so the property was not listed, and the house now appears to have been demolished.

Numerous existing transmission lines, distribution lines, gas mains, sewer lines, stormwater lines, and water lines crisscross the Study Area to serve the industrial, commercial, and residential areas. Additionally, there are two planned projects within the Study Area. The Kentucky Transportation Cabinet (KYTC) is planning to conduct the Graves Road Widening Project in the western portion of the Study Area, near the existing Hebron Substation and the East Kentucky Power Cooperative (EKPC) is planning to build a new 69 kV transmission line that comes out of the Hebron substation to the south and follows Interstate 275 through the Study Area (**Appendix**

[1] While Figure A-5 states that the archaeological inventory sites are of undetermined eligibility, the report states that all are either destroyed or likely ineligible for listing.

A, Figure A-7). The topography is relatively hilly, with steep slopes (>20%) surrounding much of the existing infrastructure within the Study Area (**Appendix A, Figure A-7**).

3.2 ESTABLISHMENT OF EVALUATION CRITERIA

After the Study Area was delineated, the Siting Team collected constraint and opportunity data to support the identification and evaluation of Route Alternatives. The sources of the environmental, cultural, land use, social, and engineering data used in the study are provided in **Appendix B, Table 1**. Weights applied to each of the criteria are provided in **Appendix B, Table 2**. The evaluation criteria were selected by the Siting Team based on specifics of the Study Area and what would meet Project requirements for constructability, schedule, cost, and operations and maintenance while avoiding or minimizing undesired impacts to the environment and community.

There were no features present along any of the Route Alternatives for several of the sub-criteria, and therefore no data to measure (grayed sub-criteria text in **Appendix B, Table 2**). All criteria shown in **Appendix B** reflect the final, adjusted weights used in the analysis.

Agency correspondence was conducted to learn more about the Study Area. The Kentucky Energy and Environment Cabinet, Office of Kentucky Nature Preserves provided information from the Natural Heritage Program Database on T/E or special concern plants and animals or exemplary natural communities within the Study Area. In addition, Stantec reviewed the USFWS Information Planning and Consultation (IPaC) online system and obtained an official species list from the USFWS to identify any federally listed T&E species or mapped critical habitat within the Study Area.

The Siting Team contracted Weller & Associates, Inc. to complete a cultural and archeological literature review, including a review of the Kentucky Archaeological Inventory files, Boone County atlases, histories, and historic maps, and the NRHP, among other resources. A summary of the cultural resources within the study area is provided above in section 3.1.

3.3 IDENTIFICATION OF ROUTE ALTERNATIVES

The Siting Team identified a Segment Network comprised of 27 Route Segments based on opportunities and constraints in the Study Area (**Appendix A, Figure A-3**). The Route Segments were located primarily within the center and eastern edge of the Study Area within the industrial/commercial complex and the Highway 237/North Bend Road ROW. Numerous constraints were present in the western and northeastern portions of the Study Area. No segments were identified southwest of the Hebron Substation because of tight clearances between residential properties, road ROW, the KYTC Graves Road Widening Project, Hebron Fire Protect District Station 2, an existing EKPC transmission line, and a water tower. No segments were identified within the northeastern portion of the Study Area because of the presence of a library, Lakeside Church of Christ, residential areas, and the constrained nature the development along Highway 237 road ROW in this area. The Siting Team identified segments paralleling the existing transmission corridor. It was determined the segments should parallel along the northern side of the transmission corridor due to challenges of existing utilities and terrain on the south side.

Numerous segments were identified in the industrial/commercial complex. The industrial/commercial complex provided routing challenges because of exiting utilities and short

distances between built infrastructure. Southern segments were included to provide an additional option for crossing Interstate 275, away from the 237 interchange.

After the Segment Network was developed, Duke Energy was informed by EKPC during the public outreach portion of the Study, that they also plan to construct a 69 kV transmission line within the Study Area and have a preferred route selected. This resulted in the removal of all segments that conflicted with EKPC's proposed route (Route Segments 11, 16, 17, and 18) from further consideration (**Appendix A, Figure A-3**). These segments were removed because there is not adequate horizontal space parallel to EKPCs route to accommodate two new transmission lines parallel and adjacent to one another due to existing utilities and buildings. Additionally, collocating the new Hebron to Oakbrook transmission line on the same facilities is not preferred due to planning, operational, reliability, and safety concerns.

The Duke Energy and Stantec Siting Team leads, completed field reconnaissance of the Segment Network from public ROW on December 15, 2021. During the reconnaissance, sensitive receptors (residences, schools, and churches) were verified, and photographs were taken to document existing site conditions. A follow-up site visit was conducted on June 29, 2022 to confirm additional resources within the Study Area.

After the segments that paralleled EKPC's route were removed, the segments were combined into the 29 full-length Route Alternatives as depicted on in the **Figure A-4 inset (Appendix A)**.

Broadly speaking, Route Alternatives were grouped into two categories based on where they crossed Interstate 275, either within the clover leaf or west of the clover leaf.

In the clover leaf

Routes A, G, M, AC, and AI utilized the clover leaf. These Route Alternatives took various routes through/around the industrial/commercial complex north of Interstate 275 before connecting to Segment 12 to cross Highway 237/North Bend Road north of the clover leaf. They then paralleled Highway 237/North Bend Road through the clover leaf, rebuilding the existing line in place.

West of the clover leaf

Routes C-F, I-L, O-R, T-W, AE-AH, and AK-AN avoided the clover leaf interchange. These Route Alternatives took the same various routes through and around the industrial/commercial complex north of Interstate 275 but then connected to Segment 19 at the southern edge of the industrial/commercial complex to cross Interstate 275 west of the clover leaf. They then traversed the land south of Interstate 275 either by paralleling KYTC ROW or cutting directly across to Litton Lane. The routes then connected to the existing line at one of two tap points, one to the north of Litton Lane and one to the south of Litton Lane.

3.4 ALTERNATIVE ROUTE EVALUATION

The Route Alternatives were evaluated for ecological, land use, cultural, and engineering constraints. The Route Alternatives were weighted and ranked with the lower scoring considered more favorable. The scores were not considered to be the definitive ranking of the routes, but as a measure of how impactful the routes would be based on the criteria established for the comparison. The results of the quantitative analysis are provided in **Appendix B, Table 3 and Appendix B, Figure 1** and described in detail in Sections 3.4.2 to 3.4.5.

In addition to the quantitative analysis, qualitative factors were important for the Siting Team to consider during the evaluation of the Route Alternatives. These factors include observations from

field reconnaissance, comments from stakeholder interactions, and Siting Team experience. Stakeholder feedback is described below.

3.4.1 Public and Stakeholder Engagement

Duke Energy sent out a public engagement letter to individuals with property within 500 feet of the Route Alternatives and requested input on the Project during a 30-day comment period that began on March 7, 2022. Duke Energy also hosted two virtual open houses during which the public could provide comment. There were three comments received; the Siting Team took these into consideration when choosing the Preferred Route.

Based on public comments received regarding planned development in the Study Area, Duke Energy reached out to and held meetings with St. Elizabeth Physicians (St. Elizabeth) located at 1980 Litton Lane. They indicated that they are under active construction on the southern adjacent parcel (impacting Segment 20) with plans to develop the eastern adjacent parcel (impacting Segment 22) as well. A site visit confirmed this additional development. Based on a review of ongoing construction and conceptual site plans provided by St. Elizabeth, it was determined that developing segments 20 and 22 would directly impact the active construction and planned construction of the medical office buildings.

3.4.2 Ecological

Ecological resources including streams, wetlands, and forested lands, were factors in the analysis; there were no floodplains or protected species occurrences within the Study Area. Wetland and stream complexes were mainly associated with Sand Run in the north central portion of the Study Area but also included intermittent streams associated with storm water drainage; all routes crossed at least one stream. Forest impacts were also present mainly in the area of Sand Run and the currently undeveloped parcels located immediately south of Interstate 275 and in the north central portion of the Study Area (**Appendix A**, **Figure A-5)**. Forested land clearing was the most influential ecological factor in the quantitative analysis, with forested acres in ROW ranging from 1.19 to 9.62 acres with Routes that utilized Segment 4 having the highest impacts to forested lands (Routes A and C-F).

Duke Energy conducted agency consultation with Kentucky Natural Heritage Program and US Fish and Wildlife Service (USFWS). There were no records of Kentucky Natural Heritage Program monitored species within the Study Area. No impacts to listed mussel species are expected as no stream impacts are anticipated. Habitat for listed bat species potentially occurs within the Study Area and may be impacted by tree clearing activities. The USFWS provided the guidance document “Revised Conservation Strategy for Forest-Dwelling Bats In the Commonwealth of Kentucky” and recommended that Duke Energy conduct tree clearing activities in the winter during the unoccupied timeframe (November 15 - March 31).

3.4.3 Land Use

Land use constraints were also influential in the route analysis due to the presence of extensive industrial and commercial districts (**Appendix A**, **Figure A-6**). The Study Area is predominantly industrial development with some commercial development, residential properties, and undeveloped land. Institutional uses within the Study Area include the Boone County Public Library along the northern border of the Study Area, Lakeside Church of Christ and Children’s

House Hebron along Highway 237/North Bend Road north of Interstate 275, and St. Elizabeth and Elijah's Creek Kindercare along Highway 237/North Bend Road to the south of Interstate 275.

The majority of the Study Area is heavily constrained throughout by an existing industrial/commercial complex. Additionally, commercial development is extensive along Highway 237/North Bend Road and residential developments border the Study Area on all sides. The Boone County Public Library located along the northern border of the Study Area was considered a sensitive resource.

3.4.4 Cultural Resources

While historic and archaeological resources were identified in the Study Area (**Appendix A**, **Figure A-5**), all were deemed ineligible for listing on the NRHP or destroyed. Therefore, cultural resources were not a factor in the analysis (**Appendix B, Table 3**).

3.4.5 Engineering

All routes were considered constructable, though there were several engineering constraints within the Study Area that factored into the quantitative and qualitative analysis (**Appendix A, Figure A-7**). The number of turn angles ranged from 4 to 18 due to the heavily constrained nature of the Study Area. The Study Area also has significant portions of steep slopes throughout, most notably along the Sand Run corridor and surrounding Interstate 275 infrastructure. Segments that span the interstate would require long span lengths, with those crossing at the clover leaf requiring long spans at the clover leaf and at Highway 237/North Bend Road, affecting routes A, G, M, AC, and AI.

Additionally, the numerous existing buildings, transmission and distribution lines, gas mains, sewer lines, water lines, stormwater lines, and other existing infrastructure throughout the Study Area made for highly congested routes within the industrial/commercial complex and along Highway 237/North Bend Road. Upon closer inspection of the Highway 237/North Bend Road crossing, proximity to an existing gas station was identified as an additional engineering constraint. For this Project, the sharing or paralleling of existing transmission ROW was considered a benefit. This most notably benefited routes that utilized Segment 2,5, and 7 (Routes G and I-L).

3.5 ROUTE SELECTION

Route selection was conducted focusing on a qualitative analysis of the Study Area. As discussed in Section 3.4.1, based on public comment and additional coordination with St. Elizabeth, it was determined that Duke Energy would be unable to place their transmission line on St. Elizabeth's property without direct impacts to the development under construction and additional development planned for these parcels. This included Routes C-E, I-K, O-Q, T-V, AE-AG, and AK-AM which each utilized Segment 20 and/or Segment 22 (**Appendix A, Figure A-4**).

While on the site visit, the Siting Team noted that Segment 12, which spanned Highway 237/North Bend Road north of Interstate 275, was going to be heavily constrained by existing infrastructure. Upon further investigation, it was observed that the segment would connect near a Shell gas station where there is already a lattice tower nearby and many existing utilities. Additionally, it was determined that the transmission line in this area would require an engineered pole within KYTC ROW which typically are not allowed within road ROW. The Team's prior siting experience has indicated that the engineering and coordination associated with placing a structure in this

area with the constraints associated with the gas station, KYTC, and other utilities would be costly and difficult to implement without significantly impacting the gas station's operations. Additional engineering constraints occur on the west side of Highway 237/North Bend Road near the Amazon facility including extensive existing utilities, retaining walls, and parking impacts (**Appendix A, Figures A-6 and A-7**). Overall, Segment 12 would be challenging to build as there are widespread engineering constraints limiting the ability to build new infrastructure without significant impacts to existing land uses.

The sequencing of the construction for the EKPC Project and the Oakbrook to Hebron transmission line needs to be accounted for during the siting process. EKPC's Project is planned to be constructed prior to the Oakbrook to Hebron Project. This will require the EKPC Project to cross above the existing 69 kV transmission line. When Duke Energy rebuilds to 138 kV (Segments 25 and 26), they would need to construct the line above the 69 kV EKPC line. This would require Duke Energy to have structures in this area that would be close to exceeding Federal Aviation Administration clearance standards associated with the nearby Cincinnati/Northern Kentucky International Airport, which is located 2 miles to the southeast. Therefore, Segments 12, 25, and 26 would potentially require significant FAA lighting requirements and thus cause a significant expense and challenge both during the design, build, and operation and maintenance of this transmission line. This includes Routes A, G, M, AC, and AI.

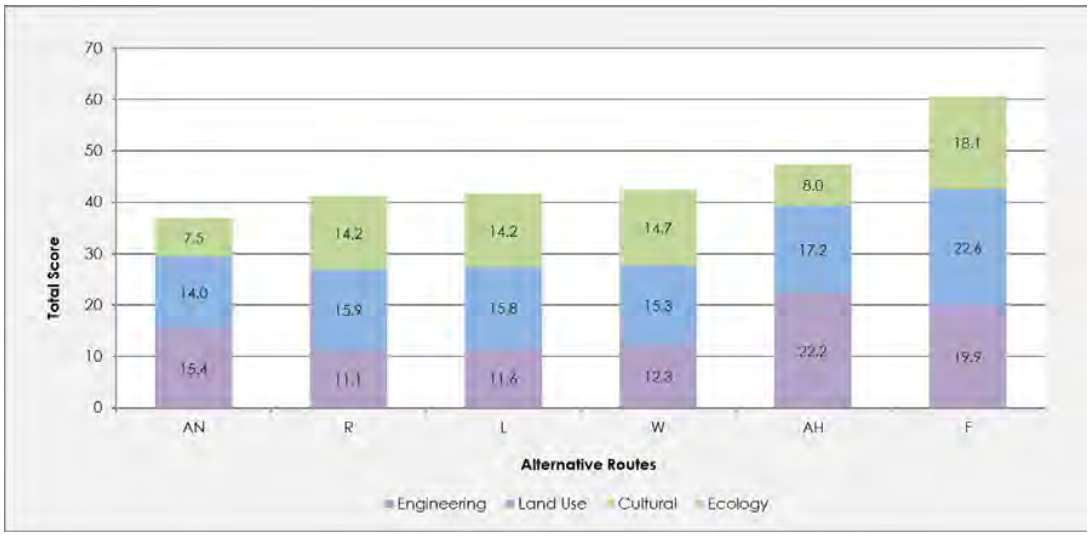
Due to the qualitative/quantitative concerns discussed above on Segments 12, 20, 22, 25, and 26 it was determined Segments 19 to 21 to 24 were the preferred last half of the route to connect to the existing transmission line.

After pairing down the segments discussed above, from highest ranked to lowest ranked, Routes AN, R, L, W, AH and F remained (Figure 2). Route F scored highest due to heavy ecological constraints associated with Sand Run and the forested parcels north of Duke Energy's existing transmission corridor, engineering constraints including route length, span length, and turn angles, and land use constraints including number of unique properties and amount of new easement required. Route AH also has extensive engineering constraints including steep slopes, existing utilities, turn angles, and route length. Routes R, L, and W all scored very similarly, with only 1.18 points separating the three routes.

Route AN scored lowest due to significantly reduced ecological impacts because the route avoids impacts to forested wetlands associated with Sand Run, crosses fewer streams, and would require less forested land clearing. However, Route AN scored higher in engineering because it did not utilize the existing transmission corridor and the existing utilities along Worldwide Boulevard. In addition to the other existing utilities along Worldwide Boulevard, engineering concerns not included in the quantitative analysis along the western stretch of Worldwide Boulevard include very tight clearances, an existing bus stop and streetlights, and impacts to traffic with trucks and employee vehicles continuously coming in and out of the business within the industrial/commercial complex.

Routes R, L, and W utilized the existing transmission corridor past Sand Run; however, Route W still utilized the constrained western stretch of Worldwide Boulevard. Route L utilized the longest stretch of the existing corridor which resulted in the fewest acres of new easement required. Additionally, the eastern portion of Worldwide Boulevard is wider and has more adjacent green space to allow for construction crew access to avoid traffic impacts and also has less existing above ground infrastructure that could conflict with the construction and operation of the transmission line. Therefore, Route L was chosen as the preferred route.

Figure 2. Distribution of Quantitative Route Analysis Scores



3.5.1 Description of Preferred Route

Route L was selected as the Preferred Route for the Project and is depicted in **Appendix A, Figure A-8**. Route L extends east out of the Hebron Substation, following Duke Energy's existing transmission line corridor for approximately 0.77 mile until it reaches Worldwide Boulevard. The route then turns south and parallels Worldwide Boulevard to the west for approximately 0.28 mile before it crosses Worldwide Boulevard in between the Wayfair warehouse and Amazon Fulfillment Center. The route then continues south for approximately 0.25 mile, crossing Interstate 275, before it turns southeast towards Litton Lane, which it crosses after an additional 0.38 mile. The Route then follows Litton Lane northeast until it reaches the businesses on the south side of Litton Lane. The Route goes around these businesses to the south, cutting between the Burger King and Domino's Pizza where it connects to the Tap to Limaburg 69 kV line along Highway 237/North Bend Road. In total, Route L is 2.05 miles long.

Route L utilized a longer portion of the existing Duke Energy transmission line corridor, minimizing the need for new ROW and minimizing impacts to new landowners. It avoids the highly congested western portion of Worldwide Boulevard where light posts, a bus stop, signs, consistent traffic, and engineering challenges associated with steep slopes are present. Route L also avoids crossing Interstate 275 within the clover leaf and would result in having no transmission structures

within KYTC ROW. Route L met the purpose and need for the Project while minimizing impacts to the community.

4.0 CONCLUSION

The Route Selection Study included the delineation of an approximately 1.6-square mile Study Area, data collection, identification of potential Route Segments and Route Alternatives, a quantitative and qualitative comparative evaluation of the Route Alternatives, and the selection of a Preferred Route. The Study Area is predominantly industrial and commercial. A total of 27 Route Segments were identified and combined into 29 Route Alternatives. All Route Alternatives were in Boone County, Kentucky.

Route Alternatives were pared down based on the challenge to construct Segment 12 due to extensive engineering constraints and planned construction on parcels owned by St. Elizabeth affecting Segments 20 and 22. This resulted in Route Segments 19 to 21 to 24 being chosen as the preferred last half of the route to connect to the existing Tap to Limaburg 69 kV line.

After pairing down the segments discussed above there were four routes with comparative scores, Route AN, L, R and W. The highest ranked route (Route AN) did not follow the existing transmission corridor and scored lower due to the avoidance of ecological impacts to forested wetlands associated with Sand Run. Qualitative concerns with Route AN include very tight clearances along Worldwide Boulevard, an existing bus stop and streetlights, and impacts to traffic with trucks and employee vehicles continuously coming in and out.

Routes R, L, and W utilized the existing transmission corridor past Sand Run; however, Route W still utilized the constrained western stretch of Worldwide Boulevard. Route L utilized the longest stretch of the existing corridor which results in the fewest acres of new easement required. Additionally, the eastern portion of Worldwide Boulevard is wider and has more adjacent green space to allow for construction crew access to avoid traffic impacts and also has less existing above ground infrastructure that would need to be moved. Therefore, Route L was chosen as the preferred route.

After the completion of the Route Selection Study, a public announcement of the Preferred Route will be provided to the property owners and key external stakeholders that were communicated with during the route evaluation step of the Route Selection Study. Then, the project team will begin preparing for transmission line engineering and easement negotiations with the affected property owners.

5.0 REFERENCES

Boone County. (2021). *Boone County Data Transmittal*. [Data File]. Provided via email November 2021.

Duke Energy. (2021). Duke-owned Transmission, Distribution, and Gas Utilities. Boone County parcel data via organization data agreement. [Data Files]. Provided via email November 2021.

Environmental Protection Agency (EPA). 2015. *303(d) Listed Impaired Waters*. https://www.epa.gov/waterdata/waters-geospatial-data-downloads#303dListedImpairedWaters. Accessed November 2021.

Environmental Systems Research Institute (ESRI). 2020. ArcGIS Desktop: Release 10.8.1 GIS Baselayer Data. Redlands, CA.

National Park Service. (2020a). *National Register of Historic Places*. https://npgallery.nps.gov/NRHP/Download/#spatial. Accessed November 2021.

National Park Service. (2020b). *National Trails GIS Data*. https://www.nps.gov/orgs/1453/gis-data.htm. Accessed September 2021.

National Pipeline Mapping System. (2021). *Pipelines*. https://pvnpms.phmsa.dot.gov/PublicViewer/. Accessed November 2021.

National Wetland Inventory. (2021). *U.S. Fish & Wildlife Service National Wetlands Inventory Wetlands Mapper*. https://www.fws.gov/wetlands/Data/Mapper.html. Accessed November 2021.

U.S. Department of Agriculture (USDA). Natural Resources Conservation Service (NRCS). (2018). *Soil Survey.* https://datagateway.nrcs.usda.gov/GDGOrder.aspx. Accessed November 2021.

USDA (2020). *National Agriculture Imagery Program (NAIP).* https://www.arcgis.com/home/item.html?id=3f8d2d3828f24c00ae279db4af26d566. Accessed November 2021.

U.S. Geological Survey (USGS). (2018). *2-Meter LiDAR Elevation Data.* https://datagateway.nrcs.usda.gov/GDGOrder.aspx. Accessed November 2021

U.S. Geological Survey (USGS). (2021). The National Map—Data Delivery. National Hydrography Dataset. https://www.usgs.gov/core-science-systems/ngp/tnm-delivery/. Accessed November 2021.

U.S. Fish & Wildlife Service. (2021). *Information for Planning and Consultation (IPaC)*. https://ecos.fws.gov/ipac/. Accessed November 2021.

Weller & Associates, Inc. (2021a). KHC Historic Resources [Data file]. Provided via email December 2021.

Weller & Associates, Inc. (2021b). Archaeological Sites [Data file]. Provided via email December 2021.

Yang, L., Jin, S., Danielson, P., Homer, C., Gass, L., Case, A., Costello, C., Dewitz, J., Fry, J., Funk, M., Grannemann, B., Rigge, M. and G. Xian. (2018). A New Generation of the United States

National Land Cover Database: Requirements, Research Priorities, Design, and Implementation Strategies, p. 108–123.

APPENDIX A

Constraints Mapping

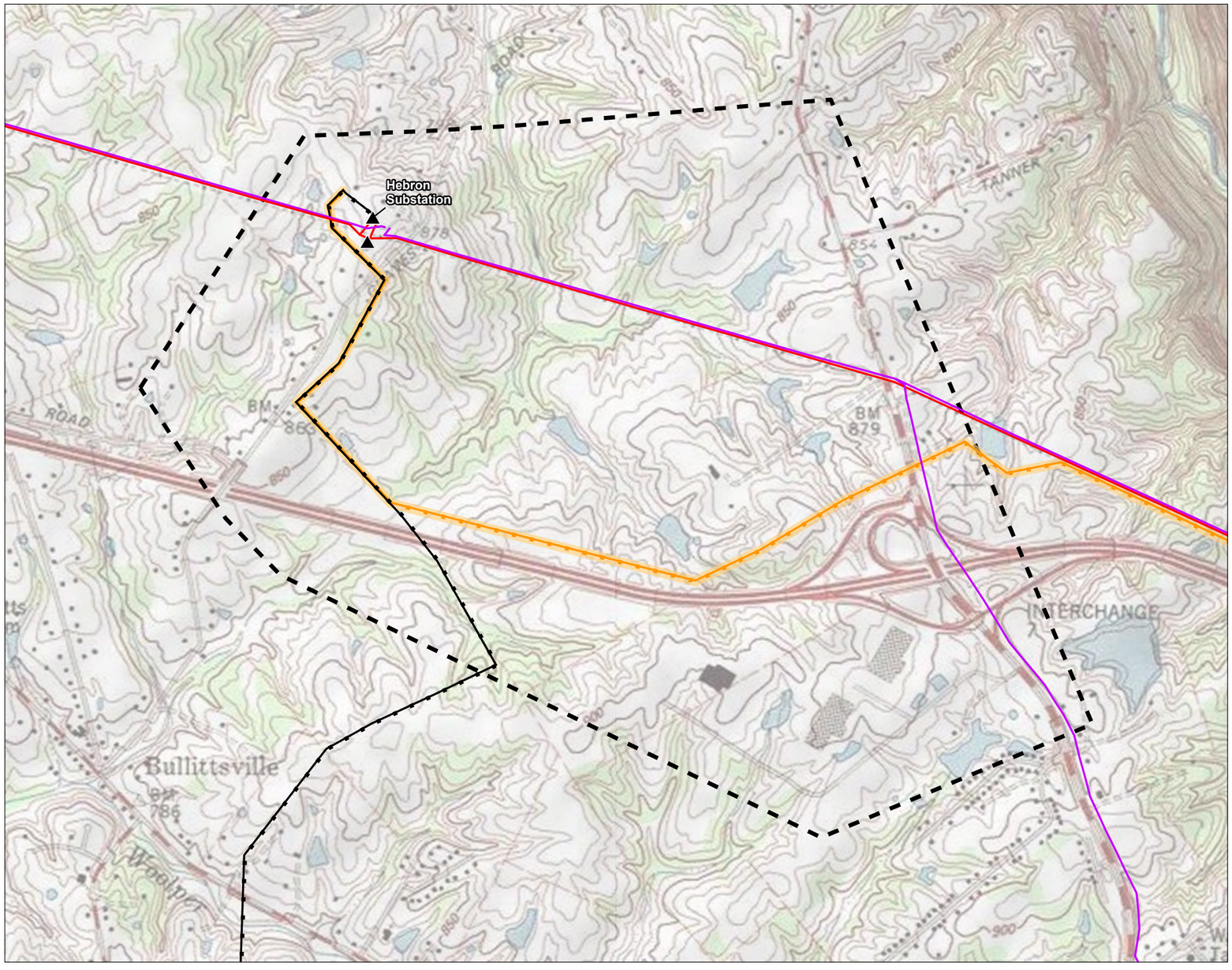


Figure No.
A-1

Title
Project Location and Topography

Client/Project
Duke Midwest
Hebron to Oakbrook 138 kV Transmission Line
Siting Project

193708666

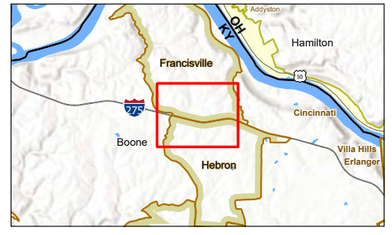
Project Location
Boone Co., Kentucky

Prepared by PM on 2021-11-09
TR by BT on 2021-11-09
IR by DB on 2021-11-11

N

0 500 1,000 Feet
(At original document size of 11x17)
1:12,000

Legend
- Study Area
- Existing Substation
- Duke-owned Existing 69 kV Transmission Line
- Duke-owned Existing 138 kV Transmission Line
- Foreign Owned Existing Transmission Line
- Proposed EKPC Transmission Line
- Proposed EKPC Transmission Line 100ft ROW



Notes
1. Coordinate System: NAD 1983 StatePlane Kentucky North FIPS 1601 Feet
2. Data Sources: Stantec, Duke, USGS, NADS, PennWell, OSM, EKCP
3. Background: USGS 7.5' Topographic Quadrangles

Stantec

V:\19327\Active\193708666\03 data\gis cad\gis\mxds\Duke Hebron to Oakbrook 193708666 PRO\Duke Hebron to Oakbrook 193708666 PRO.aprx Revised: 2022-07-14 By: pmielke

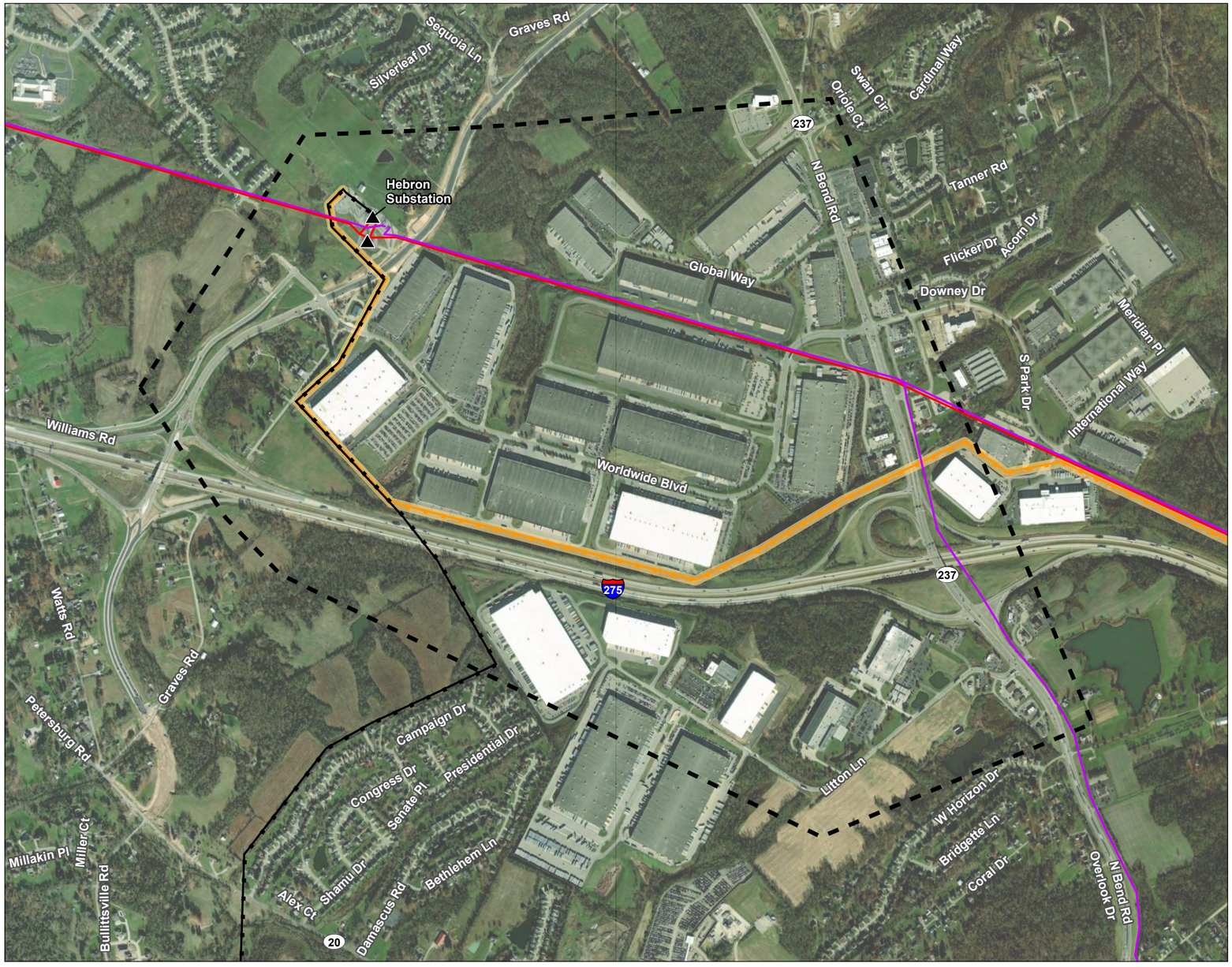


Figure No.
A-2

Title
Project Location - Orthophotography

Client/Project
Duke Midwest
Hebron to Oakbrook 138 kV Transmission Line
Siting Project
193708666

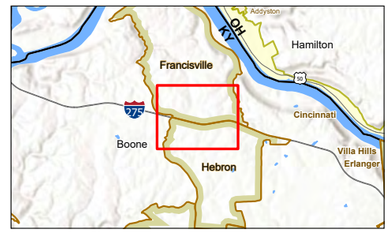
Project Location
Boone Co., Kentucky

Prepared by PM on 2021-11-09
TR by BT on 2021-11-09
IR by DB on 2021-11-11

N

0 500 1,000 Feet
(At original document size of 11x17)
1:12,000

Legend
- Study Area
- Existing Substation
- Duke-owned Existing 69 kV Transmission Line
- Duke-owned Existing 138 kV Transmission Line
- Foreign Owned Existing Transmission Line
- Proposed EKPC Transmission Line
- Proposed EKPC Transmission Line 100ft ROW



Notes
1. Coordinate System: NAD 1983 StatePlane Kentucky North FIPS 1601 Feet
2. Data Sources: Stantec, Duke, USGS, NADS, PennWell, OSM, EKPC
3. Background: Esri World Imagery

Stantec

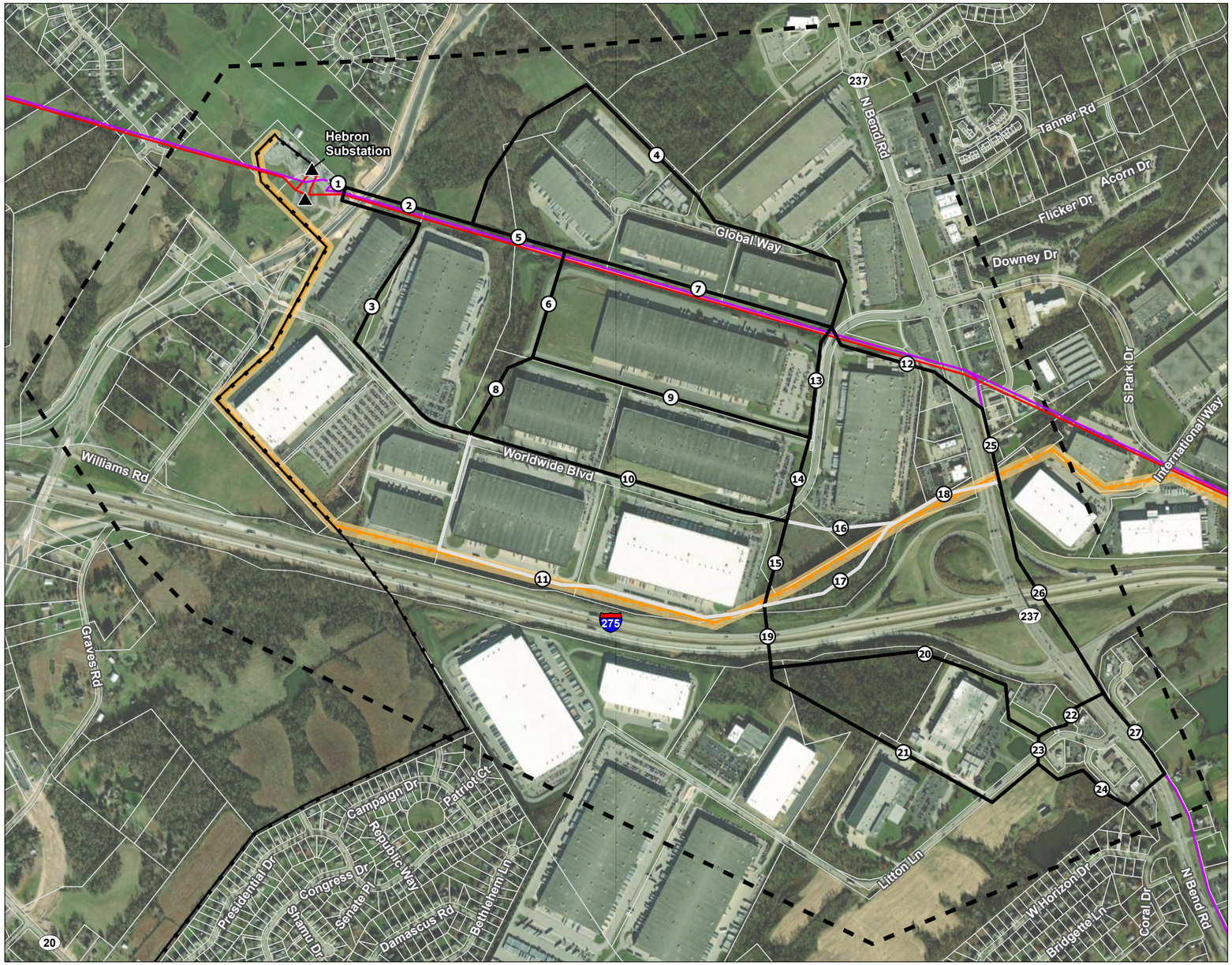


Figure No.
A-3

Title
Segment Network

Client/Project
Duke Midwest
Hebron to Oakbrook 138 kV Transmission Line
Siting Project
193708666

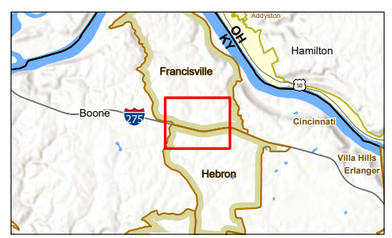
Project Location
Boone Co., Kentucky

Prepared by PM on 2022-07-14
TR by BT on 2021-11-09
IR by TR on 2021-07-21

N

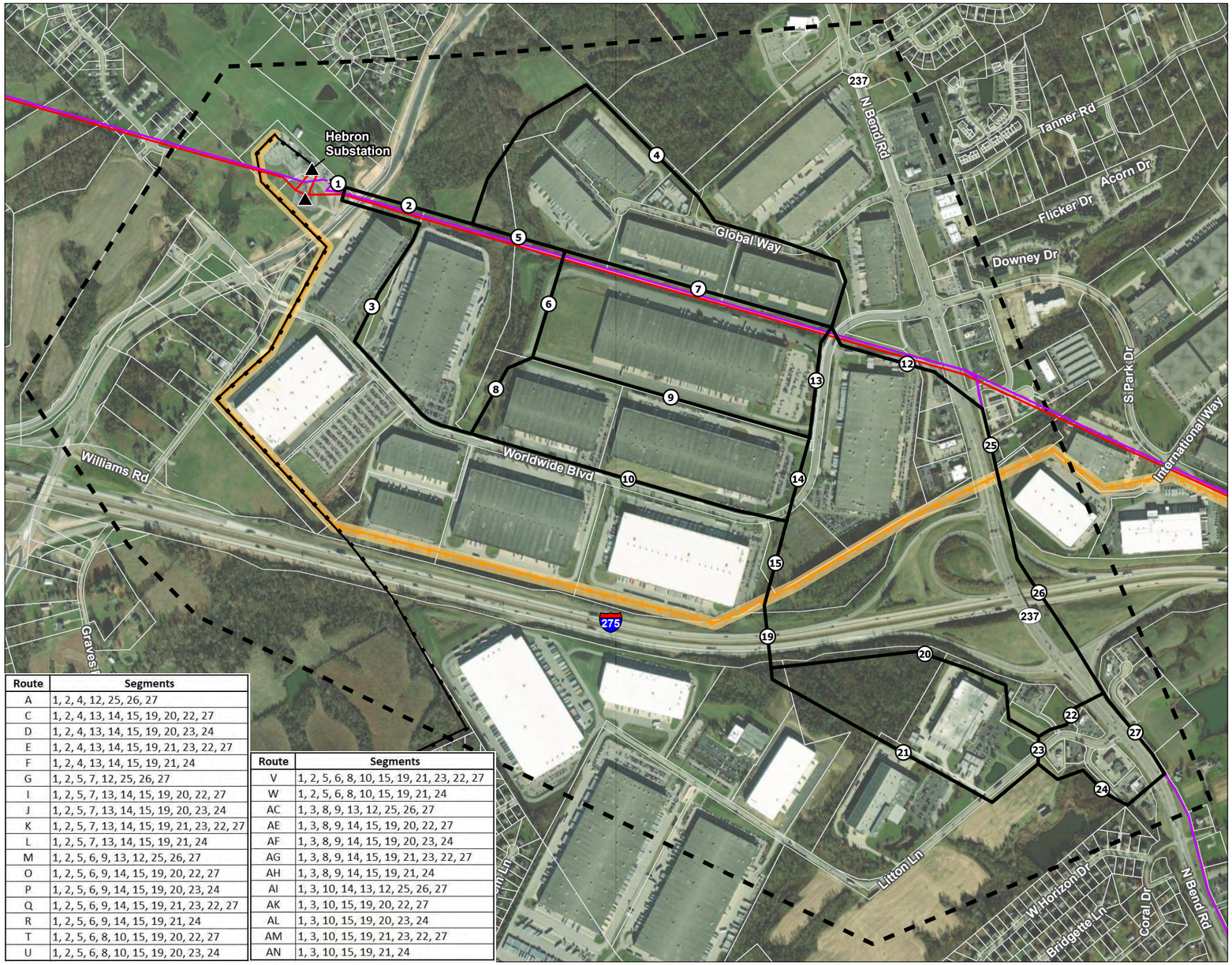
0 400 800 Feet
(At original document size of 11x17)
1:9,600

Legend
- Study Area
- Existing Substation
- Segment Network
- Segments Removed From Study (EKPC Conflict)
- Duke-owned Existing 69 kV Transmission Line
- Duke-owned Existing 138 kV Transmission Line
- Foreign Owned Existing Transmission Line
- Proposed EKPC Transmission Line
- Proposed EKPC Transmission Line 100ft ROW
- Parcel Boundary



Notes
1. Coordinate System: NAD 1983 StatePlane Kentucky North FIPS 1601 Feet
2. Data Sources: Stantec, Duke, USGS, NADS, PennWell, OSM, EKPC
3. Background: Esri World Imagery

Stantec



Route	Segments
A	1, 2, 4, 12, 25, 26, 27
C	1, 2, 4, 13, 14, 15, 19, 20, 22, 27
D	1, 2, 4, 13, 14, 15, 19, 20, 23, 24
E	1, 2, 4, 13, 14, 15, 19, 21, 23, 22, 27
F	1, 2, 4, 13, 14, 15, 19, 21, 24
G	1, 2, 5, 7, 12, 25, 26, 27
I	1, 2, 5, 7, 13, 14, 15, 19, 20, 22, 27
J	1, 2, 5, 7, 13, 14, 15, 19, 20, 23, 24
K	1, 2, 5, 7, 13, 14, 15, 19, 21, 23, 22, 27
L	1, 2, 5, 7, 13, 14, 15, 19, 21, 24
M	1, 2, 5, 6, 9, 13, 12, 25, 26, 27
O	1, 2, 5, 6, 9, 14, 15, 19, 20, 22, 27
P	1, 2, 5, 6, 9, 14, 15, 19, 20, 23, 24
Q	1, 2, 5, 6, 9, 14, 15, 19, 21, 23, 22, 27
R	1, 2, 5, 6, 9, 14, 15, 19, 21, 24
T	1, 2, 5, 6, 8, 10, 15, 19, 20, 22, 27
U	1, 2, 5, 6, 8, 10, 15, 19, 20, 23, 24

Route	Segments
V	1, 2, 5, 6, 8, 10, 15, 19, 21, 23, 22, 27
W	1, 2, 5, 6, 8, 10, 15, 19, 21, 24
AC	1, 3, 8, 9, 13, 12, 25, 26, 27
AE	1, 3, 8, 9, 14, 15, 19, 20, 22, 27
AF	1, 3, 8, 9, 14, 15, 19, 20, 23, 24
AG	1, 3, 8, 9, 14, 15, 19, 21, 23, 22, 27
AH	1, 3, 8, 9, 14, 15, 19, 21, 24
AI	1, 3, 10, 14, 13, 12, 25, 26, 27
AK	1, 3, 10, 15, 19, 20, 22, 27
AL	1, 3, 10, 15, 19, 20, 23, 24
AM	1, 3, 10, 15, 19, 21, 23, 22, 27
AN	1, 3, 10, 15, 19, 21, 24

Figure No.
A-4

Title
Route Alternatives

Client/Project
193708666
Duke Midwest
Hebron to Oakbrook 138 kV Transmission Line
Siting Project

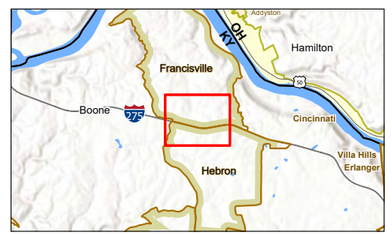
Project Location
Boone Co., Kentucky

Prepared by PM on 2021-11-09
TR by BT on 2021-11-09
IR by DB on 2021-11-11

N

0 400 800 Feet
(At original document size of 11x17)
1:9,600

Legend
- Study Area
- Existing Substation
- Segment Network
- Duke-owned Existing 69 kV Transmission Line
- Duke-owned Existing 138 kV Transmission Line
- Foreign Owned Existing Transmission Line
- Proposed EKPC Transmission Line
- Proposed EKPC Transmission Line 100ft ROW
- Parcel Boundary



Notes
1. Coordinate System: NAD 1983 StatePlane Kentucky North FIPS 1601 Feet
2. Data Sources: Stantec, Duke, USGS, NADS, PennWell, OSM, EKPC
3. Background: Esri World Imagery

Stantec

V:\1937\Active\193708666\03_data\gis_cad\gis\mxds\Duke Hebron to Oakbrook 193708666 PROD\Duke Hebron to Oakbrook 193708666 PROD.aprx Revised: 2022-07-14 By: pmielke

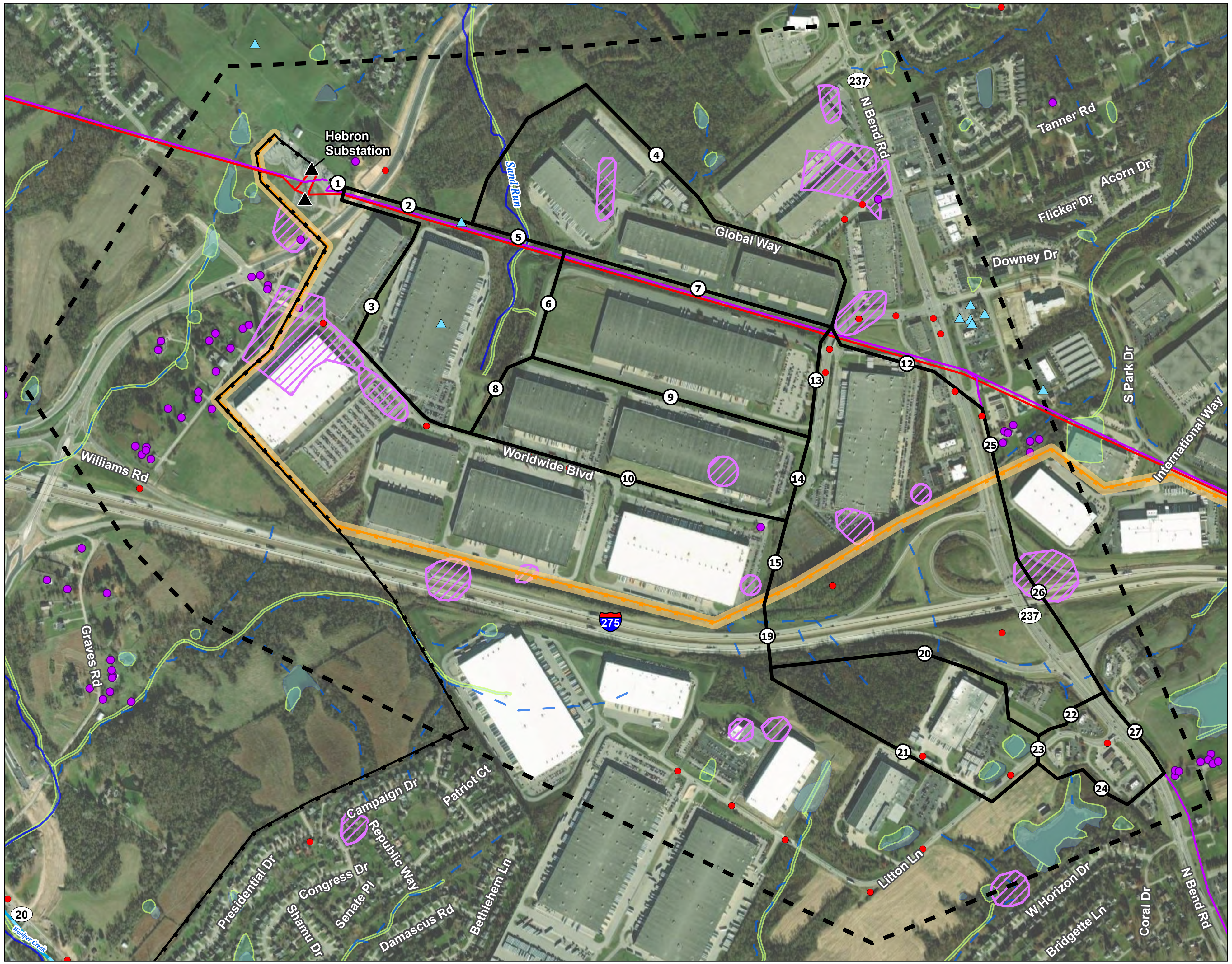


Figure No.
A-5

Title
Environmental and Cultural Resources

Client/Project 193708666
Duke Midwest
Hebron to Oakbrook 138 kV Transmission Line
Siting Project

Project Location
Boone Co., Kentucky

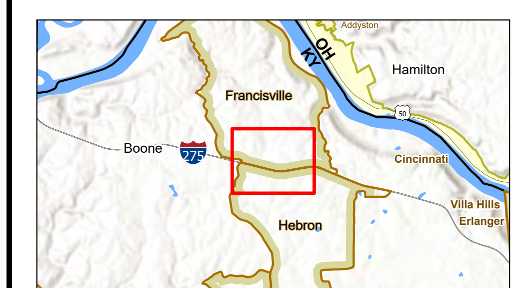
Prepared by PM on 2021-11-04
TR by BT on 2021-11-09
IR by DB on 2021-11-11

N

0 400 800 Feet
(At original document size of 11x17)
1:9,600

Legend
- Study Area
- Existing Substation
- Segment Network
- Duke-owned Existing 69 kV Transmission Line
- Duke-owned Existing 138 kV Transmission Line
- Foreign Owned Existing Transmission Line
- Proposed EKPC Transmission Line
- Proposed EKPC Transmission Line 100ft ROW
- Historic Structure - Eligibility Undetermined
- Archaeological Inventory Site - Eligibility Undetermined
- Potential Contamination Site
- Water Well
- 303d Impaired Stream
- National Wetlands Inventory Feature

National Hydrography Dataset
- Perennial Stream
- Intermittent Stream
- Waterbody



Notes
1. Coordinate System: NAD 1983 StatePlane Kentucky North FIPS 1601 Feet
2. Data Sources: Stantec, Duke, USGS, NADS, PennWell, OSM, EPA, USFWS, Weller, EKPC
3. Background: Esri World Imagery

Stantec

Page 1 of 1

Figure No.
A-6

Title
Land Use and Social Constraints

Client/Project
Duke Midwest
Hebron to Oakbrook 138 kV Transmission Line
Siting Project
193708666

Project Location
Boone Co., Kentucky

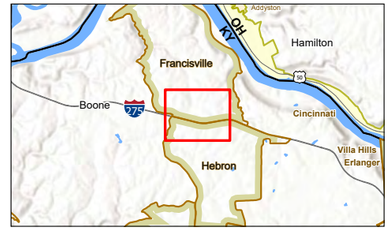
Prepared by PM on 2021-11-04
TR by BT on 2021-11-09
IR by DB on 2021-11-11

N

0 400 800 Feet
(At original document size of 11x17)
1:9,600

Legend
- Study Area
- Existing Substation
- Segment Network
- Duke-owned Existing 69 kV Transmission Line
- Duke-owned Existing 138 kV Transmission Line
- Foreign Owned Existing Transmission Line
- Proposed EKPC Transmission Line
- Proposed EKPC Transmission Line 100ft ROW
- School
- Place of Worship
- Child Care Facility
- Fire Station
- Parcel Boundary

Structure Use
- Commercial & Industrial
- Community Facility
- Residential
- Outbuilding



Notes
1. Coordinate System: NAD 1983 StatePlane Kentucky North FIPS 1601 Feet
2. Data Sources: Stantec, Duke, USGS, NADS, PennWell, OSM, Esri, HIFLD, Microsoft, EKPC
3. Background: Esri World Imagery

Stantec

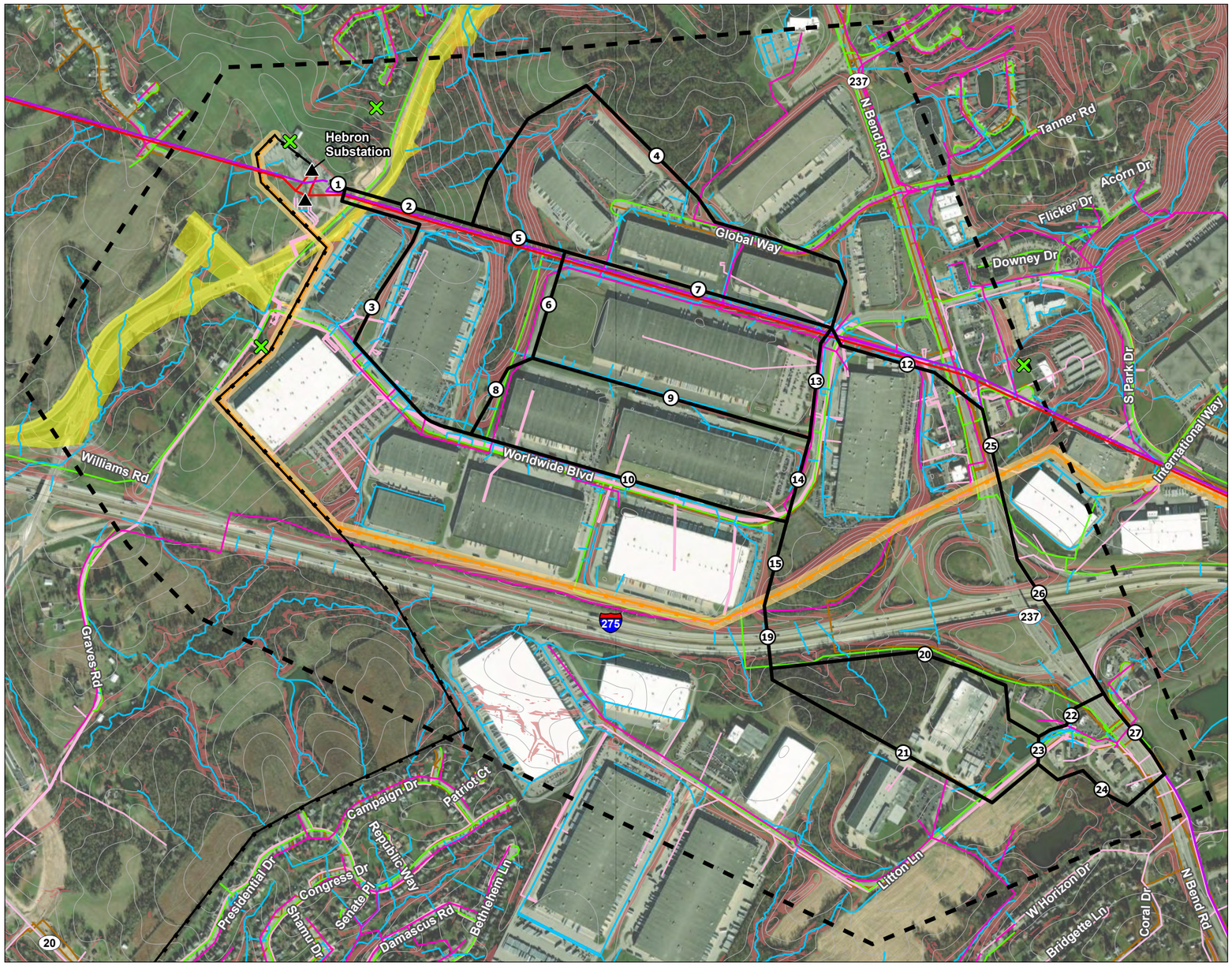


Figure No.
A-7

Title
Engineering Constraints

Client/Project
Duke Midwest
Hebron to Oakbrook 138 kV Transmission Line
Siting Project

193708666

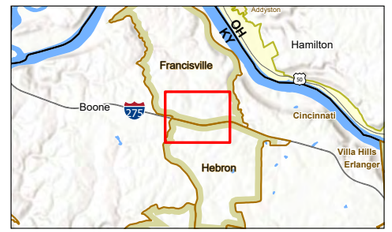
Project Location
Boone Co., Kentucky

Prepared by PM on 2021-11-04
TR by BT on 2021-11-09
IR by DB on 2021-11-11

N

0 400 800 Feet
(At original document size of 11x17)
1:9,600

Legend
- Study Area
- Existing Substation
- Segment Network
- Duke-owned Existing 69 kV Transmission Line
- Duke-owned Existing 138 kV Transmission Line
- Foreign Owned Existing Transmission Line
- Proposed EKPC Transmission Line
- Proposed EKPC Transmission Line 100ft ROW
- Duke Existing Distribution Line
- Duke Existing Gas Main
- Tall Structure
- Sewer Line
- Stormwater Line
- Water Line
- KYDOT Graves Rd Widening Project
- 10ft Elevation Contour
- Slope Greater Than 20%



Notes
1. Coordinate System: NAD 1983 StatePlane Kentucky North FIPS 1601 Feet
2. Data Sources: Stantec, Duke, USGS, NADS, PennWell, OSM, FAA, USDA, FEMA, EKPC
3. Background: Esri World Imagery

Stantec

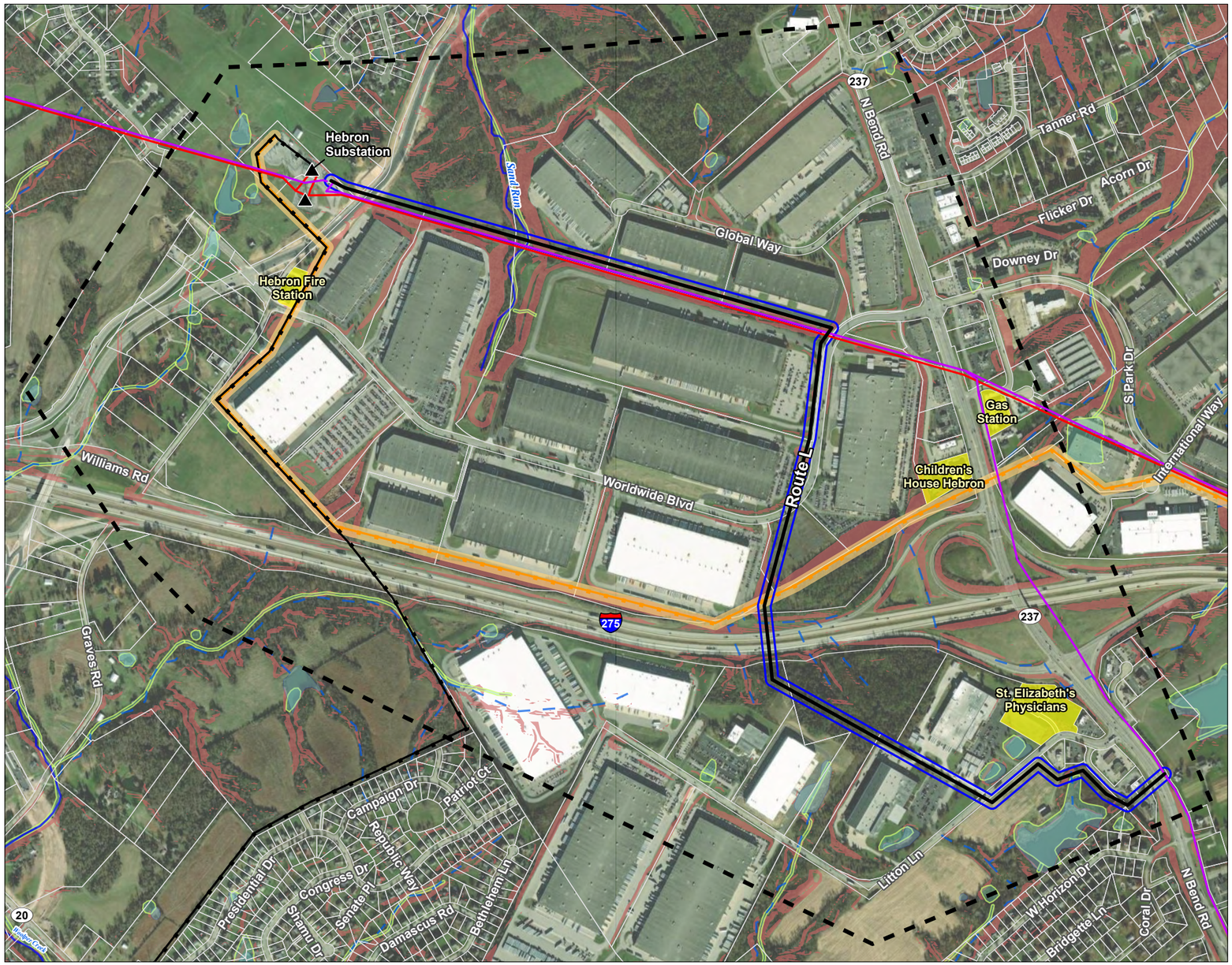


Figure No.
A-8

Title
Preferred Route

Client/Project
Duke Midwest
Hebron to Oakbrook 138 kV Transmission Line
Siting Project
193708666

Project Location
Boone Co., Kentucky

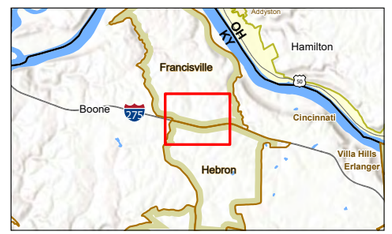
Prepared by PM on 2022-07-11
TR by BT on 2021-11-09
IR by TR on 2022-07-11

N

0 400 800 Feet
(At original document size of 11x17)
1:9,600

Legend
- Study Area
- Existing Substation
- Route L
- Preferred Route ROW
- Duke-owned Existing 69 kV Transmission Line
- Duke-owned Existing 138 kV Transmission Line
- Foreign Owned Existing Transmission Line
- Proposed EKPC Transmission Line
- Proposed EKPC Transmission Line 100ft ROW
- Parcel Boundary
- Routing Land Use Constraints
- Slope Greater Than 20%
- National Wetlands Inventory Feature

National Hydrography Dataset
- Perennial Stream
- Intermittent Stream
- Waterbody



Notes
1. Coordinate System: NAD 1983 StatePlane Kentucky North FIPS 1601 Feet
2. Data Sources: Stantec, Duke, USGS, NADS, PennWell, OSM, USFWS
3. Background: Esri World Imagery

Stantec

APPENDIX B

Tables

Table 1. Data Sources

Category	Sub-Category	Source	Published Date of Data*
Ecological Resources	Potential Environmental Contamination	United States Environmental Protection Agency	11/5/2020
	Critical Habitat	USFWS	2/17/2021
	Wetlands	USFWS National Wetlands Inventory (NWI)	2/25/2021
	Streams & Waterbodies	United States Geological Survey (USGS) National Hydrography Dataset (NHD)	2/25/2021
	Impaired Waters	United States Environmental Protection Agency	5/1/2015
	Protected Species	USFWS	11/17/2021
Land Use	Existing infrastructure	Duke Energy	11/23/2021
		PennWell Map Search	9/28/2020
	Roads	ArcGIS North America Detailed Streets	11/19/2020
	Pipelines	National Pipeline Mapping System	11/2/2021
		US Energy Information Administration (USEIA) Homeland Infrastructure Foundation-Level Data (HIFLD)	2/1/2018
	Railroads	Homeland Infrastructure Foundation-Level Data (HIFLD)	4/9/2019
	Building Footprints	Microsoft	4/29/2020
	Institutions (hospitals, places of worship, schools, daycares)	ESRI	11/1/2021
	Land Use	National Land Cover Dataset (NLCD)	2019
		U.S. Department of Agriculture (USDA) National Agriculture Imagery Program	2019
	Soils	Natural Resources Conservation Services	12/11/2018
	Protected Lands	USGS Protected Areas Database – US	2/19/2021
		National Conservation Easement Database (NCED)	8/28/2020
	Cell Towers and Antennas	Homeland Infrastructure Foundation-Level Data	4/7/2021
	Planned Projects	Boone County	11/11/2021

Category	Sub-Category	Source	Published Date of Data*
	Municipal Utilities (Sewer, Stormwater, Fiber Lines)	Boone County	11/16/2021
Cultural	Archaeological and Cultural Resources	State Historic Preservation Office (SPHO) (Weller & Associates, Inc. Report)	12/3/2021
	Cultural Resources	National Park Service (NPS) National Register of Historic Places (NRHP)	9/17/2020
	Historic or Scenic Byways	Federal Highway Administration	5/26/2017
	Cemeteries	Environmental Systems Research Institute (ESRI)	2/11/2020
		SHPO (Weller & Associates, Inc. Report)	12/3/2021
	Historic Structures	SHPO (Weller & Associates, Inc. Report)	12/3/2021
	Parcel Data	Duke Energy	11/9/2021
	Elevation and Slope	USDA	2002-2017
	Flood Areas	FEMA Flood Hazard Map	11/1/2021
	Airports and Airport Equipment	Federal Aviation Administration (FAA)	5/24/2021
	Karst Geology	USFWS	2014
	Geological Areas	USGS	6/18/2018
	Aerial imagery	U.S. Department of Agriculture (USDA) National Agriculture Imagery Program	2019

*Data acquisition date used when vintage date unavailable.

Table 2. Criteria Group, Criteria, and Sub-Criteria Weights

Criteria Group & Weight		Criteria & Weight		Sub-Criteria & Weight	
Ecology	30%	Wetlands	20%	Acres of PFO/PSS wetlands in ROW	70%
				Acres of PEM, PAB, PUB wetlands and riverine in ROW	30%
		Streams	20%	Number of streams crossed by centerline	100%
		Forest	35%	Acres of forested land within ROW	100%
		Protected Species	5%	Count of Federal & state T&E occurrences within 1,000 feet of centerline	100%
		Floodplain	20%	Linear feet of floodway crossed by centerline	85%
				Linear feet of 100-year floodplain crossed by centerline	15%
Land Use	35%	Residences	25%	Number of residences within the ROW	0%
				Number of residences within 200 feet of ROW	60%
				Number of residences between 200-500 feet of ROW	40%
		Business/Commercial/ Industrial	15%	Number of businesses, commercial, and industrial buildings within 250 feet of centerline	100%
		Properties Crossed	10%	Number of properties crossed by ROW	100%
		Institutional Land Use	15%	Number of institutional uses crossed by ROW	70%
				Number of institutional uses within 1,000 feet of centerline	30%
		Sensitive Lands	20%	Acres of sensitive lands within ROW	70%
				Acres of sensitive lands within 1,000 feet of centerline	30%
		Agricultural & Industrial Uses	5%	Acres of agricultural and other industrial uses in ROW	100%
		New easement required	10%	Acres of new easement required	100%
Cultural	0%	NRHP Listed Resources	40%	Number of NRHP listed resources within 1,000 feet of centerline	100%
		State Architectural Resources	30%	Number of state historic resources within 1,000 feet of centerline	100%
		Archaeological Sites	15%	Number of known archaeological resources in ROW	100%
		Cemeteries	15%	Number of cemeteries in ROW	100%

Criteria Group & Weight		Criteria & Weight		Sub-Criteria & Weight	
Engineering	35%	Route Length	20%	Length of route in linear feet	100%
		Highway & Rail Crossings	10%	Number of highway, road, or railroad crossings	100%
		Slope	15%	Linear feet of centerline within slope >20%	100%
		Angles	20%	Number of turn angles >20 degrees	100%
		Span	5%	Linear feet of longest span (if a span greater than 400 feet is required)	100%
		Other Linear Utilities	20%	Length or Route with underground utilities in ROW	100%
		Paralleling Linear Infrastructure	10%	Percent of centerline not paralleling existing transmission ROW	100%

PAB- Palustrine Aquatic Bed, PEM- Palustrine Emergent Wetland, PFO- Palustrine Forested Wetland, PSS- Palustrine Scrub/Shrub Wetland, T&E- Threatened and Endangered Species. Wetland types based on Cowardin classification (Cowardin et al. 1979). Sub-criteria with gray shading indicate there were no data recorded for any of the routes.

Table 3. Weighted Results Table

Route	Segments	Route Length (mi)	ECOLOGY CRITERIA GROUP																		
			Streams			Wetlands						Forest			Floodplain						Protected Species		
			Stream crossings by centerline (count)			PFO & PSS wetlands in ROW (acres)			PEM, PAB, PUB and riverine in ROW (acres)			Forested land in ROW (acres)			Floodway crossed by centerline (feet)			100-Year floodplain crossed by centerline (feet)			Federal and state threatened and endangered species occurrences within 1,000 feet of centerline (count)		
	Criteria Group Weight:		**30%**			**30%**			**30%**			**30%**			**30%**			**30%**			**30%**		
	Criteria Weight:		**20%**			**20%**			**20%**			**35%**			**20%**			**20%**			**5%**		
	Sub-Criteria Weight:		**100%**			**70%**			**30%**			**100%**			**85%**			**15%**			**100%**		
	Weighted Multiplier:		**0.0600**			**0.0420**			**0.0180**			**0.1050**			**0.0510**			**0.0090**			**0.0150**		
			Value	Normalized	Weighted Value	Value	Normalized	Weighted Value	Value	Normalized	Weighted Value	Value	Normalized	Weighted Value	Value	Normalized	Weighted Value	Value	Normalized	Weighted Value	Value	Normalized	Weighted Value
ROUTES																							
A	1, 2, 4, 12, 25, 26, 27	1.99	2	25	1.50	0.06	100	4.20	0.00	0	0.00	5.08	46	4.85	0.00	0	0.00	0.00	0	0.00	0	0	0.00
C	1, 2, 4, 13, 14, 15, 19, 20, 22, 27	2.37	4	75	4.50	0.06	100	4.20	0.00	0	0.00	9.35	97	10.16	0.00	0	0.00	0.00	0	0.00	0	0	0.00
D	1, 2, 4, 13, 14, 15, 19, 20, 23, 24	2.37	5	100	6.00	0.06	100	4.20	0.05	100	1.80	9.62	100	10.50	0.00	0	0.00	0.00	0	0.00	0	0	0.00
E	1, 2, 4, 13, 14, 15, 19, 21, 23, 22, 27	2.43	2	25	1.50	0.06	100	4.20	0.00	0	0.00	8.21	83	8.75	0.00	0	0.00	0.00	0	0.00	0	0	0.00
F	1, 2, 4, 13, 14, 15, 19, 21, 24	2.35	3	50	3.00	0.06	100	4.20	0.05	100	1.80	8.48	87	9.08	0.00	0	0.00	0.00	0	0.00	0	0	0.00
G	1, 2, 5, 7, 12, 25, 26, 27	1.69	2	25	1.50	0.05	84	3.55	0.00	0	0.00	2.53	16	1.67	0.00	0	0.00	0.00	0	0.00	0	0	0.00
I	1, 2, 5, 7, 13, 14, 15, 19, 20, 22, 27	2.07	4	75	4.50	0.05	84	3.55	0.00	0	0.00	6.80	66	6.98	0.00	0	0.00	0.00	0	0.00	0	0	0.00
J	1, 2, 5, 7, 13, 14, 15, 19, 20, 23, 24	2.07	5	100	6.00	0.05	84	3.55	0.05	100	1.80	7.06	70	7.32	0.00	0	0.00	0.00	0	0.00	0	0	0.00
K	1, 2, 5, 7, 13, 14, 15, 19, 21, 23, 22, 27	2.13	2	25	1.50	0.05	84	3.55	0.00	0	0.00	5.66	53	5.56	0.00	0	0.00	0.00	0	0.00	0	0	0.00
L	1, 2, 5, 7, 13, 14, 15, 19, 21, 24	2.05	3	50	3.00	0.05	84	3.55	0.05	100	1.80	5.93	56	5.90	0.00	0	0.00	0.00	0	0.00	0	0	0.00
M	1, 2, 5, 6, 9, 13, 12, 25, 26, 27	2.02	2	25	1.50	0.05	84	3.55	0.00	0	0.00	2.53	16	1.67	0.00	0	0.00	0.00	0	0.00	0	0	0.00
O	1, 2, 5, 6, 9, 14, 15, 19, 20, 22, 27	2.08	4	75	4.50	0.05	84	3.55	0.00	0	0.00	6.80	66	6.98	0.00	0	0.00	0.00	0	0.00	0	0	0.00
P	1, 2, 5, 6, 9, 14, 15, 19, 20, 23, 24	2.08	5	100	6.00	0.05	84	3.55	0.05	100	1.80	7.06	70	7.32	0.00	0	0.00	0.00	0	0.00	0	0	0.00
Q	1, 2, 5, 6, 9, 14, 15, 19, 21, 23, 22, 27	2.14	2	25	1.50	0.05	84	3.55	0.00	0	0.00	5.66	53	5.56	0.00	0	0.00	0.00	0	0.00	0	0	0.00
R	1, 2, 5, 6, 9, 14, 15, 19, 21, 24	2.06	3	50	3.00	0.05	84	3.55	0.05	100	1.80	5.93	56	5.90	0.00	0	0.00	0.00	0	0.00	0	0	0.00
T	1, 2, 5, 6, 8, 10, 15, 19, 20, 22, 27	2.16	4	75	4.50	0.05	84	3.55	0.00	0	0.00	7.19	71	7.47	0.00	0	0.00	0.00	0	0.00	0	0	0.00
U	1, 2, 5, 6, 8, 10, 15, 19, 20, 23, 24	2.17	5	100	6.00	0.05	84	3.55	0.05	100	1.80	7.46	74	7.81	0.00	0	0.00	0.00	0	0.00	0	0	0.00
V	1, 2, 5, 6, 8, 10, 15, 19, 21, 23, 22, 27	2.22	2	25	1.50	0.05	84	3.55	0.00	0	0.00	6.05	58	6.05	0.00	0	0.00	0.00	0	0.00	0	0	0.00
W	1, 2, 5, 6, 8, 10, 15, 19, 21, 24	2.14	3	50	3.00	0.05	84	3.55	0.05	100	1.80	6.32	61	6.39	0.00	0	0.00	0.00	0	0.00	0	0	0.00
AC	1, 3, 8, 9, 13, 12, 25, 26, 27	2.23	1	0	0.00	0.00	0	0.00	0.00	0	0.00	1.55	4	0.45	0.00	0	0.00	0.00	0	0.00	0	0	0.00
AE	1, 3, 8, 9, 14, 15, 19, 20, 22, 27	2.30	3	50	3.00	0.00	0	0.00	0.00	0	0.00	5.82	55	5.77	0.00	0	0.00	0.00	0	0.00	0	0	0.00
AF	1, 3, 8, 9, 14, 15, 19, 20, 23, 24	2.30	4	75	4.50	0.00	0	0.00	0.05	100	1.80	6.09	58	6.10	0.00	0	0.00	0.00	0	0.00	0	0	0.00
AG	1, 3, 8, 9, 14, 15, 19, 21, 23, 22, 27	2.36	1	0	0.00	0.00	0	0.00	0.00	0	0.00	4.68	41	4.35	0.00	0	0.00	0.00	0	0.00	0	0	0.00
AH	1, 3, 8, 9, 14, 15, 19, 21, 24	2.28	2	25	1.50	0.00	0	0.00	0.05	100	1.80	4.95	45	4.68	0.00	0	0.00	0.00	0	0.00	0	0	0.00
AI	1, 3, 10, 14, 13, 12, 25, 26, 27	2.27	1	0	0.00	0.00	0	0.00	0.00	0	0.00	1.19	0	0.00	0.00	0	0.00	0.00	0	0.00	0	0	0.00
AK	1, 3, 10, 15, 19, 20, 22, 27	2.07	3	50	3.00	0.00	0	0.00	0.00	0	0.00	5.46	51	5.32	0.00	0	0.00	0.00	0	0.00	0	0	0.00
AL	1, 3, 10, 15, 19, 20, 23, 24	2.08	4	75	4.50	0.00	0	0.00	0.05	100	1.80	5.73	54	5.66	0.00	0	0.00	0.00	0	0.00	0	0	0.00
AM	1, 3, 10, 15, 19, 21, 23, 22, 27	2.13	1	0	0.00	0.00	0	0.00	0.00	0	0.00	4.32	37	3.90	0.00	0	0.00	0.00	0	0.00	0	0	0.00
AN	1, 3, 10, 15, 19, 21, 24	2.05	2	25	1.50	0.00	0	0.00	0.05	100	1.80	4.59	40	4.23	0.00	0	0.00	0.00	0	0.00	0	0	0.00
Min			1	--	--	0.00	--	--	0.00	--	--	1.19	--	--	0.0	--	--	0.00	--	--	0	--	--
Max			5	--	--	0.06	--	--	0.05	--	--	9.62	--	--	0.0	--	--	0.00	--	--	0	--	--
Range			4	--	--	0.06	--	--	0.05	--	--	8.43	--	--	0.0	--	--	0.00	--	--	0	--	--
Criteria Description:			National Hydrography Dataset perennial (46006) and intermittent (46003) streams. Visually inspected other stream categories for evidence of stream channel on aerial. Stream feature presence verified during field reconnaissance where possible.			National Wetland Inventory Data PFO and PSS wetlands. Wetland feature presence not verified during field reconnaissance.			National Wetland Inventory Data PEM, PAB, PUB and Riverine wetlands. Wetland feature presence not verified during field reconnaissance.			Forested land digitized from most recent Aerial Imagery (NAIP).			FEMA Flood Hazard Dataset features that have a determined flood zone sub-type as Floodway.			FEMA Flood Hazard Dataset features that have a determined flood zone type as A.			1000 ft buffer of centerline that intersects federal and state threatened and endangered species polygons.		

Table 3. Weighted Results Table

Route	Segments	Route Length (mi)	LAND USE CRITERIA GROUP																	
			Institutional Land Use						Sensitive Areas						Agriculture & Industrial Uses			Easement Required		
			Institutional uses within ROW (count)			Institutional uses within 1,000 feet of ROW (count)			Sensitive areas within ROW (acres)			Sensitive areas within 1,000 feet of ROW (acres)			Agricultural and Industrial land use in ROW (acres)			New easement required (acres)		
	Criteria Group Weight:		**35%**			**35%**			**35%**			**35%**			**35%**			**35%**		
	Criteria Weight:		**15%**			**15%**			**20%**			**20%**			**5%**			**10%**		
	Sub-Criteria Weight:		**70%**			**30%**			**70%**			**30%**			**100%**			**100%**		
	Weighted Multiplier:		**0.0368**			**0.0158**			**0.0490**			**0.0210**			**0.0175**			**0.0350**		
			Value	Normalized	Weighted Value	Value	Normalized	Weighted Value	Value	Normalized	Weighted Value	Value	Normalized	Weighted Value	Value	Normalized	Weighted Value	Value	Normalized	Weighted Value
ROUTES																				
A	1, 2, 4, 12, 25, 26, 27	1.99	0	0	0.00	5	100	1.58	0.00	0	0.00	17.06	100	2.10	13.33	23	0.40	15.15	36	1.26
C	1, 2, 4, 13, 14, 15, 19, 20, 22, 27	2.37	1	100	3.68	3	33	0.53	0.00	0	0.00	17.06	100	2.10	17.56	74	1.30	24.90	90	3.14
D	1, 2, 4, 13, 14, 15, 19, 20, 23, 24	2.37	1	100	3.68	3	33	0.53	0.00	0	0.00	17.06	100	2.10	18.24	83	1.44	26.78	100	3.50
E	1, 2, 4, 13, 14, 15, 19, 21, 23, 22, 27	2.43	1	100	3.68	3	33	0.53	0.00	0	0.00	17.06	100	2.10	18.33	84	1.46	25.36	92	3.23
F	1, 2, 4, 13, 14, 15, 19, 21, 24	2.35	0	0	0.00	4	67	1.05	0.00	0	0.00	17.06	100	2.10	18.42	85	1.48	26.24	97	3.39
G	1, 2, 5, 7, 12, 25, 26, 27	1.69	0	0	0.00	4	67	1.05	0.00	0	0.00	0.71	4	0.09	11.48	0	0.00	8.58	0	0.00
I	1, 2, 5, 7, 13, 14, 15, 19, 20, 22, 27	2.07	1	100	3.68	2	0	0.00	0.00	0	0.00	0.71	4	0.09	15.68	51	0.90	18.32	54	1.87
J	1, 2, 5, 7, 13, 14, 15, 19, 20, 23, 24	2.07	1	100	3.68	2	0	0.00	0.00	0	0.00	0.71	4	0.09	16.36	60	1.04	20.21	64	2.24
K	1, 2, 5, 7, 13, 14, 15, 19, 21, 23, 22, 27	2.13	1	100	3.68	2	0	0.00	0.00	0	0.00	0.71	4	0.09	16.46	61	1.06	18.78	56	1.96
L	1, 2, 5, 7, 13, 14, 15, 19, 21, 24	2.05	0	0	0.00	3	33	0.53	0.00	0	0.00	0.71	4	0.09	16.54	62	1.08	19.66	61	2.13
M	1, 2, 5, 6, 9, 13, 12, 25, 26, 27	2.02	0	0	0.00	4	67	1.05	0.00	0	0.00	0.00	0	0.00	15.44	48	0.85	14.10	30	1.06
O	1, 2, 5, 6, 9, 14, 15, 19, 20, 22, 27	2.08	1	100	3.68	2	0	0.00	0.00	0	0.00	0.00	0	0.00	15.82	53	0.93	21.20	69	2.43
P	1, 2, 5, 6, 9, 14, 15, 19, 20, 23, 24	2.08	1	100	3.68	2	0	0.00	0.00	0	0.00	0.00	0	0.00	16.50	61	1.07	23.09	80	2.79
Q	1, 2, 5, 6, 9, 14, 15, 19, 21, 23, 22, 27	2.14	1	100	3.68	2	0	0.00	0.00	0	0.00	0.00	0	0.00	16.59	62	1.09	21.66	72	2.52
R	1, 2, 5, 6, 9, 14, 15, 19, 21, 24	2.06	0	0	0.00	3	33	0.53	0.00	0	0.00	0.00	0	0.00	16.68	64	1.11	22.54	77	2.68
T	1, 2, 5, 6, 8, 10, 15, 19, 20, 22, 27	2.16	1	100	3.68	2	0	0.00	0.00	0	0.00	0.00	0	0.00	16.82	65	1.14	20.65	66	2.32
U	1, 2, 5, 6, 8, 10, 15, 19, 20, 23, 24	2.17	1	100	3.68	2	0	0.00	0.00	0	0.00	0.00	0	0.00	17.50	73	1.29	22.54	77	2.68
V	1, 2, 5, 6, 8, 10, 15, 19, 21, 23, 22, 27	2.22	1	100	3.68	2	0	0.00	0.00	0	0.00	0.00	0	0.00	17.59	75	1.30	21.11	69	2.41
W	1, 2, 5, 6, 8, 10, 15, 19, 21, 24	2.14	0	0	0.00	3	33	0.53	0.00	0	0.00	0.00	0	0.00	17.68	76	1.32	22.00	74	2.58
AC	1, 3, 8, 9, 13, 12, 25, 26, 27	2.23	0	0	0.00	4	67	1.05	0.00	0	0.00	0.00	0	0.00	18.43	85	1.48	17.11	47	1.64
AE	1, 3, 8, 9, 14, 15, 19, 20, 22, 27	2.30	1	100	3.68	2	0	0.00	0.00	0	0.00	0.00	0	0.00	18.81	90	1.57	24.21	86	3.01
AF	1, 3, 8, 9, 14, 15, 19, 20, 23, 24	2.30	1	100	3.68	2	0	0.00	0.00	0	0.00	0.00	0	0.00	19.49	98	1.71	26.10	96	3.37
AG	1, 3, 8, 9, 14, 15, 19, 21, 23, 22, 27	2.36	1	100	3.68	2	0	0.00	0.00	0	0.00	0.00	0	0.00	19.58	99	1.73	24.67	88	3.09
AH	1, 3, 8, 9, 14, 15, 19, 21, 24	2.28	0	0	0.00	3	33	0.53	0.00	0	0.00	0.00	0	0.00	19.67	100	1.75	25.55	93	3.26
AI	1, 3, 10, 14, 13, 12, 25, 26, 27	2.27	0	0	0.00	4	67	1.05	0.00	0	0.00	0.00	0	0.00	18.88	90	1.58	15.93	40	1.41
AK	1, 3, 10, 15, 19, 20, 22, 27	2.07	1	100	3.68	2	0	0.00	0.00	0	0.00	0.00	0	0.00	16.08	56	0.98	19.87	62	2.17
AL	1, 3, 10, 15, 19, 20, 23, 24	2.08	1	100	3.68	2	0	0.00	0.00	0	0.00	0.00	0	0.00	16.77	65	1.13	21.76	72	2.53
AM	1, 3, 10, 15, 19, 21, 23, 22, 27	2.13	1	100	3.68	2	0	0.00	0.00	0	0.00	0.00	0	0.00	16.85	66	1.15	20.33	65	2.26
AN	1, 3, 10, 15, 19, 21, 24	2.05	0	0	0.00	3	33	0.53	0.00	0	0.00	0.00	0	0.00	16.94	67	1.17	21.21	69	2.43
Min			0	--	--	2	--	--	0.00	--	--	0	--	--	11.48	--	--	8.58	--	--
Max			1	--	--	5	--	--	0.00	--	--	17	--	--	19.67	--	--	26.78	--	--
Range			1	--	--	3	--	--	0.00	--	--	17	--	--	8.19	--	--	18.21	--	--
Criteria Description:			Schools, hospitals, churches, child care institutional land uses within ROW. For example, two buildings in a school complex would be counted as one. Institutions were verified during field reconnaissance.			Schools, hospitals, churches, child care institutional land uses within 1000 ft of centerline. For example, two buildings in a school complex would be counted as one. Institutions were verified during field reconnaissance.			Parks, preserves, trails, agency-managed areas, golf courses and airport property within ROW. Included public library. Confirm with Duke.			Parks, preserves, trails, agency-managed areas, golf courses, and airport property within 1,000 feet of ROW. Included public library. Confirm with Duke.			Agricultural and Industrial land use was determined NAIP imagery.			Total ROW area. Variable width ROW along exiting transmission and roadways.		

Table 3. Weighted Results Table

Route	Segments	Route Length (mi)	LAND USE CRITERIA GROUP														
			Residences									Business/Commercial/Industrial			Properties Crossed		
			Residential buildings within ROW (count)			Residential buildings within 200 feet of edge of ROW (count)			Residential buildings within 200-500 feet of edge of ROW (count)			Business, Commercial, and Industrial Buildings within 250 Feet of Centerline			Properties with unique ownership crossed by ROW (count)		
	Criteria Group Weight:		**35%**			**35%**			**35%**			**35%**			**35%**		
	Criteria Weight:		**25%**			**25%**			**25%**			**15%**			**10%**		
	Sub-Criteria Weight:		**0%**			**60%**			**40%**			**100%**			**100%**		
	Weighted Multiplier:		**0.0000**			**0.0525**			**0.0350**			**0.0525**			**0.0350**		
			Value	Normalized	Weighted Value	Value	Normalized	Weighted Value	Value	Normalized	Weighted Value	Value	Normalized	Weighted Value	Value	Normalized	Weighted Value
ROUTES																	
A	1, 2, 4, 12, 25, 26, 27	1.99	0	0	0.00	3	50	2.63	3	7	0.25	23	100	5.25	24	70	2.45
C	1, 2, 4, 13, 14, 15, 19, 20, 22, 27	2.37	0	0	0.00	2	0	0.00	2	0	0.00	21	71	3.75	24	70	2.45
D	1, 2, 4, 13, 14, 15, 19, 20, 23, 24	2.37	0	0	0.00	4	100	5.25	16	100	3.50	19	43	2.25	27	100	3.50
E	1, 2, 4, 13, 14, 15, 19, 21, 23, 22, 27	2.43	0	0	0.00	2	0	0.00	2	0	0.00	22	86	4.50	25	80	2.80
F	1, 2, 4, 13, 14, 15, 19, 21, 24	2.35	0	0	0.00	4	100	5.25	16	100	3.50	20	57	3.00	25	80	2.80
G	1, 2, 5, 7, 12, 25, 26, 27	1.69	0	0	0.00	3	50	2.63	3	7	0.25	21	71	3.75	21	40	1.40
I	1, 2, 5, 7, 13, 14, 15, 19, 20, 22, 27	2.07	0	0	0.00	2	0	0.00	2	0	0.00	19	43	2.25	21	40	1.40
J	1, 2, 5, 7, 13, 14, 15, 19, 20, 23, 24	2.07	0	0	0.00	4	100	5.25	16	100	3.50	17	14	0.75	24	70	2.45
K	1, 2, 5, 7, 13, 14, 15, 19, 21, 23, 22, 27	2.13	0	0	0.00	2	0	0.00	2	0	0.00	20	57	3.00	22	50	1.75
L	1, 2, 5, 7, 13, 14, 15, 19, 21, 24	2.05	0	0	0.00	4	100	5.25	16	100	3.50	18	29	1.50	22	50	1.75
M	1, 2, 5, 6, 9, 13, 12, 25, 26, 27	2.02	0	0	0.00	3	50	2.63	3	7	0.25	21	71	3.75	22	50	1.75
O	1, 2, 5, 6, 9, 14, 15, 19, 20, 22, 27	2.08	0	0	0.00	2	0	0.00	2	0	0.00	18	29	1.50	22	50	1.75
P	1, 2, 5, 6, 9, 14, 15, 19, 20, 23, 24	2.08	0	0	0.00	4	100	5.25	16	100	3.50	16	0	0.00	25	80	2.80
Q	1, 2, 5, 6, 9, 14, 15, 19, 21, 23, 22, 27	2.14	0	0	0.00	2	0	0.00	2	0	0.00	19	43	2.25	23	60	2.10
R	1, 2, 5, 6, 9, 14, 15, 19, 21, 24	2.06	0	0	0.00	4	100	5.25	16	100	3.50	17	14	0.75	23	60	2.10
T	1, 2, 5, 6, 8, 10, 15, 19, 20, 22, 27	2.16	0	0	0.00	2	0	0.00	2	0	0.00	18	29	1.50	20	30	1.05
U	1, 2, 5, 6, 8, 10, 15, 19, 20, 23, 24	2.17	0	0	0.00	4	100	5.25	16	100	3.50	16	0	0.00	23	60	2.10
V	1, 2, 5, 6, 8, 10, 15, 19, 21, 23, 22, 27	2.22	0	0	0.00	2	0	0.00	2	0	0.00	19	43	2.25	21	40	1.40
W	1, 2, 5, 6, 8, 10, 15, 19, 21, 24	2.14	0	0	0.00	4	100	5.25	16	100	3.50	17	14	0.75	21	40	1.40
AC	1, 3, 8, 9, 13, 12, 25, 26, 27	2.23	0	0	0.00	3	50	2.63	3	7	0.25	22	86	4.50	20	30	1.05
AE	1, 3, 8, 9, 14, 15, 19, 20, 22, 27	2.30	0	0	0.00	2	0	0.00	2	0	0.00	19	43	2.25	20	30	1.05
AF	1, 3, 8, 9, 14, 15, 19, 20, 23, 24	2.30	0	0	0.00	4	100	5.25	16	100	3.50	17	14	0.75	23	60	2.10
AG	1, 3, 8, 9, 14, 15, 19, 21, 23, 22, 27	2.36	0	0	0.00	2	0	0.00	2	0	0.00	20	57	3.00	21	40	1.40
AH	1, 3, 8, 9, 14, 15, 19, 21, 24	2.28	0	0	0.00	4	100	5.25	16	100	3.50	18	29	1.50	21	40	1.40
AI	1, 3, 10, 14, 13, 12, 25, 26, 27	2.27	0	0	0.00	3	50	2.63	3	7	0.25	22	86	4.50	20	30	1.05
AK	1, 3, 10, 15, 19, 20, 22, 27	2.07	0	0	0.00	2	0	0.00	2	0	0.00	18	29	1.50	17	0	0.00
AL	1, 3, 10, 15, 19, 20, 23, 24	2.08	0	0	0.00	4	100	5.25	16	100	3.50	16	0	0.00	20	30	1.05
AM	1, 3, 10, 15, 19, 21, 23, 22, 27	2.13	0	0	0.00	2	0	0.00	2	0	0.00	19	43	2.25	18	10	0.35
AN	1, 3, 10, 15, 19, 21, 24	2.05	0	0	0.00	4	100	5.25	16	100	3.50	17	14	0.75	18	10	0.35
Min			0	--	--	2	--	--	2	--	--	16	--	--	17	--	--
Max			0	--	--	4	--	--	16	--	--	23	--	--	27	--	--
Range			0	--	--	2	--	--	14	--	--	7	--	--	10	--	--
	Criteria Description:		Occupied single family and multi-family residential dwellings. Dwelling type was verified during field reconnaissance.			Occupied single family and multi-family residential dwellings. Dwelling type was verified during field reconnaissance.			Occupied single family and multi-family residential dwellings. Dwelling type was verified during field reconnaissance.			Structure type was verified during field reconnaissance.			Parcels that intersect the ROW dissolved by owner (one owner with multiple parcels counted once).		

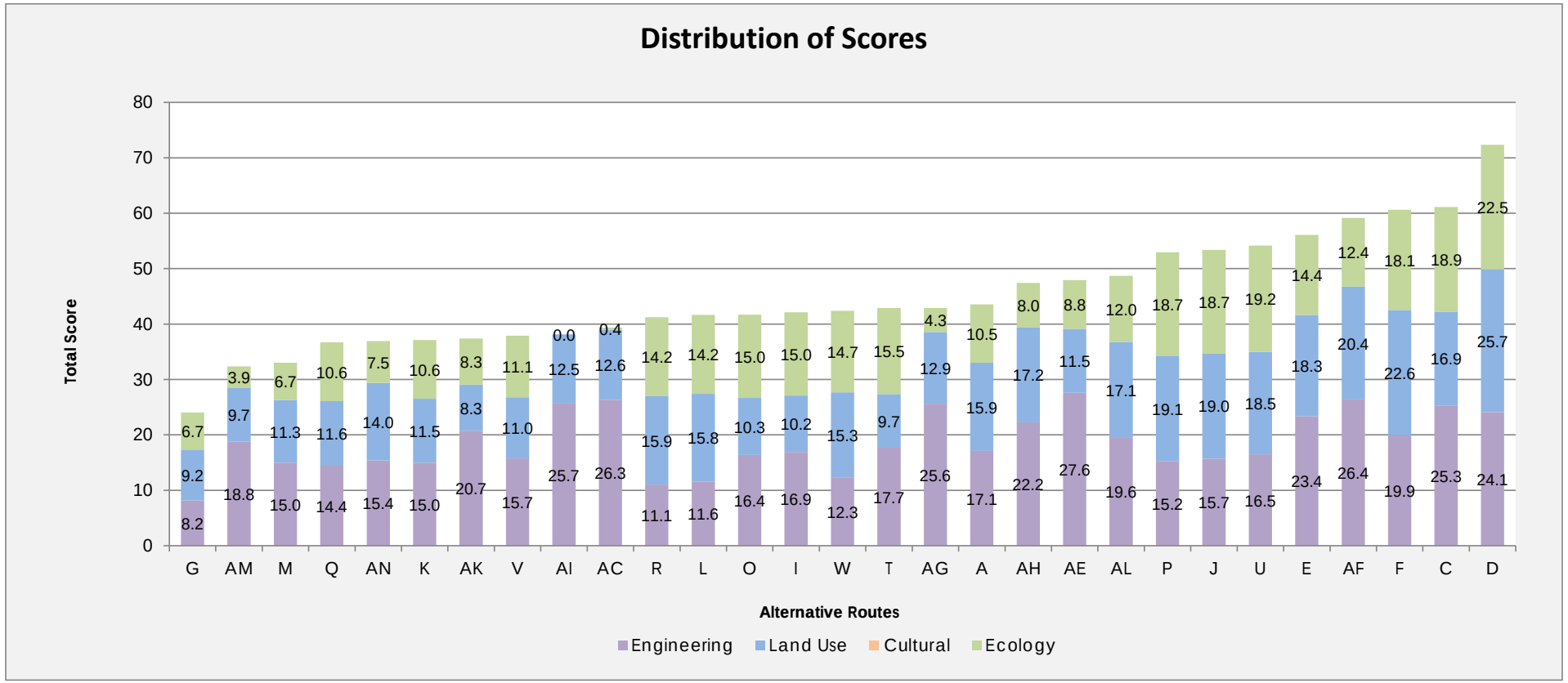
Table 3. Weighted Results Table

Route	Segments	Route Length (mi)	CULTURAL CRITERIA GROUP											
			NRHP Listed Resources			State Listed Resources			Archaeological Sites			Cemeteries		
			NRHP listed resources within 1,000 feet of centerline (count)			State listed resources within 1,000 feet of centerline (count)			Known archaeological sites within ROW (count)			Cemeteries within ROW (count)		
	Criteria Group Weight:		**0%**			**0%**			**0%**			**0%**		
	Criteria Weight:		**40%**			**30%**			**15%**			**15%**		
	Sub-Criteria Weight:		**100%**			**100%**			**100%**			**100%**		
	Weighted Multiplier:		**0.0000**			**0.0000**			**0.0000**			**0.0000**		
			Value	Normalized	Weighted Value	Value	Normalized	Weighted Value	Value	Normalized	Weighted Value	Value	Normalized	Weighted Value
ROUTES														
A	1, 2, 4, 12, 25, 26, 27	1.99	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
C	1, 2, 4, 13, 14, 15, 19, 20, 22, 27	2.37	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
D	1, 2, 4, 13, 14, 15, 19, 20, 23, 24	2.37	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
E	1, 2, 4, 13, 14, 15, 19, 21, 23, 22, 27	2.43	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
F	1, 2, 4, 13, 14, 15, 19, 21, 24	2.35	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
G	1, 2, 5, 7, 12, 25, 26, 27	1.69	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
I	1, 2, 5, 7, 13, 14, 15, 19, 20, 22, 27	2.07	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
J	1, 2, 5, 7, 13, 14, 15, 19, 20, 23, 24	2.07	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
K	1, 2, 5, 7, 13, 14, 15, 19, 21, 23, 22, 27	2.13	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
L	1, 2, 5, 7, 13, 14, 15, 19, 21, 24	2.05	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
M	1, 2, 5, 6, 9, 13, 12, 25, 26, 27	2.02	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
O	1, 2, 5, 6, 9, 14, 15, 19, 20, 22, 27	2.08	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
P	1, 2, 5, 6, 9, 14, 15, 19, 20, 23, 24	2.08	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
Q	1, 2, 5, 6, 9, 14, 15, 19, 21, 23, 22, 27	2.14	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
R	1, 2, 5, 6, 9, 14, 15, 19, 21, 24	2.06	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
T	1, 2, 5, 6, 8, 10, 15, 19, 20, 22, 27	2.16	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
U	1, 2, 5, 6, 8, 10, 15, 19, 20, 23, 24	2.17	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
V	1, 2, 5, 6, 8, 10, 15, 19, 21, 23, 22, 27	2.22	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
W	1, 2, 5, 6, 8, 10, 15, 19, 21, 24	2.14	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
AC	1, 3, 8, 9, 13, 12, 25, 26, 27	2.23	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
AE	1, 3, 8, 9, 14, 15, 19, 20, 22, 27	2.30	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
AF	1, 3, 8, 9, 14, 15, 19, 20, 23, 24	2.30	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
AG	1, 3, 8, 9, 14, 15, 19, 21, 23, 22, 27	2.36	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
AH	1, 3, 8, 9, 14, 15, 19, 21, 24	2.28	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
AI	1, 3, 10, 14, 13, 12, 25, 26, 27	2.27	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
AK	1, 3, 10, 15, 19, 20, 22, 27	2.07	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
AL	1, 3, 10, 15, 19, 20, 23, 24	2.08	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
AM	1, 3, 10, 15, 19, 21, 23, 22, 27	2.13	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
AN	1, 3, 10, 15, 19, 21, 24	2.05	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
Min			0	--	--	0	--	--	0	--	--	0	--	--
Max			0	--	--	0	--	--	0	--	--	0	--	--
Range			0	--	--	0	--	--	0	--	--	0	--	--
Criteria Description:			National Register of historic places data. Sites need to be listed to qualify for this calculation. Weller data request.			Weller data request.			Weller data request.			Weller data request.		

Table 3. Weighted Results Table

Route	Segments	Route Length (mi)	ENGINEERING CRITERIA GROUP																		
			Route Length			Highway and Rail Crossings			Steep Slopes			Turn Angles			Span Length			Other Linear Utilities			Paralleling Existing Transmission		
			Route length (feet)			Highway or railroad crossings (count)			Route length with slope >20% (feet)			Turn angles > 20 degrees (count)			Span length in excess of 400 feet (feet)			Other Linear Utilities within Proposed ROW			Percentage of line not paralleling existing transmission ROW		
	Criteria Group Weight:		**35%**			**35%**			**35%**			**35%**			**35%**			**35%**			**35%**		
	Criteria Weight:		**20%**			**10%**			**15%**			**20%**			**5%**			**20%**			**10%**		
	Sub-Criteria Weight:		**100%**			**100%**			**100%**			**100%**			**100%**			**100%**			**100%**		
	Weighted Multiplier:		**0.0700**			**0.0350**			**0.0525**			**0.0700**			**0.0175**			**0.0700**			**0.0350**		
			Value	Normalized	Weighted Value	Value	Normalized	Weighted Value	Value	Normalized	Weighted Value	Value	Normalized	Weighted Value	Value	Normalized	Weighted Value	Value	Normalized	Weighted Value	Value	Normalized	Weighted Value
ROUTES																							
A	1, 2, 4, 12, 25, 26, 27	1.99	10,506	41	2.85	4	100	3.50	1926	42	2.19	10	43	3.00	517	100	1.75	5280.7	30	2.08	51.0	49	1.73
C	1, 2, 4, 13, 14, 15, 19, 20, 22, 27	2.37	12,516	92	6.42	2	0	0.00	2335	59	3.11	17	93	6.50	285	44	0.77	7511.4	77	5.39	85.1	89	3.11
D	1, 2, 4, 13, 14, 15, 19, 20, 23, 24	2.37	12,535	92	6.46	2	0	0.00	2095	49	2.57	18	100	7.00	285	44	0.77	6518.2	56	3.92	91.6	96	3.38
E	1, 2, 4, 13, 14, 15, 19, 21, 23, 22, 27	2.43	12,840	100	7.00	2	0	0.00	2296	58	3.03	16	86	6.00	285	44	0.77	6190.3	49	3.43	85.5	89	3.13
F	1, 2, 4, 13, 14, 15, 19, 21, 24	2.35	12,420	89	6.25	2	0	0.00	2055	47	2.48	15	79	5.50	285	44	0.77	4928.9	22	1.56	91.5	96	3.37
G	1, 2, 5, 7, 12, 25, 26, 27	1.69	8,901	0	0.00	4	100	3.50	1978	44	2.31	4	0	0.00	334	56	0.98	4813.3	20	1.39	8.6	0	0.00
I	1, 2, 5, 7, 13, 14, 15, 19, 20, 22, 27	2.07	10,911	51	3.57	2	0	0.00	2387	62	3.23	11	50	3.50	102	0	0.00	7044.0	67	4.70	55.5	55	1.91
J	1, 2, 5, 7, 13, 14, 15, 19, 20, 23, 24	2.07	10,930	52	3.61	2	0	0.00	2147	51	2.69	12	57	4.00	102	0	0.00	6050.7	46	3.22	63.0	63	2.21
K	1, 2, 5, 7, 13, 14, 15, 19, 21, 23, 22, 27	2.13	11,235	59	4.15	2	0	0.00	2348	60	3.14	10	43	3.00	102	0	0.00	5722.8	39	2.74	56.8	56	1.96
L	1, 2, 5, 7, 13, 14, 15, 19, 21, 24	2.05	10,815	49	3.40	2	0	0.00	2108	50	2.60	9	36	2.50	102	0	0.00	4461.5	12	0.87	62.6	63	2.20
M	1, 2, 5, 6, 9, 13, 12, 25, 26, 27	2.02	10,646	44	3.10	4	100	3.50	1832	38	1.98	6	14	1.00	334	56	0.98	5908.2	43	3.01	42.9	40	1.39
O	1, 2, 5, 6, 9, 14, 15, 19, 20, 22, 27	2.08	10,976	53	3.69	2	0	0.00	1897	41	2.13	12	57	4.00	102	0	0.00	6459.1	55	3.83	76.0	78	2.74
P	1, 2, 5, 6, 9, 14, 15, 19, 20, 23, 24	2.08	10,995	53	3.72	2	0	0.00	1657	30	1.59	13	64	4.50	102	0	0.00	5465.9	34	2.36	83.4	87	3.04
Q	1, 2, 5, 6, 9, 14, 15, 19, 21, 23, 22, 27	2.14	11,300	61	4.26	2	0	0.00	1858	39	2.04	11	50	3.50	102	0	0.00	5138.0	27	1.87	76.7	79	2.77
R	1, 2, 5, 6, 9, 14, 15, 19, 21, 24	2.06	10,880	50	3.52	2	0	0.00	1618	29	1.50	10	43	3.00	102	0	0.00	3876.7	0	0.00	83.2	87	3.03
T	1, 2, 5, 6, 8, 10, 15, 19, 20, 22, 27	2.16	11,414	64	4.47	2	0	0.00	1231	12	0.63	14	71	5.00	102	0	0.00	7118.4	69	4.81	76.9	79	2.78
U	1, 2, 5, 6, 8, 10, 15, 19, 20, 23, 24	2.17	11,433	64	4.50	2	0	0.00	991	2	0.09	15	79	5.50	102	0	0.00	6125.2	48	3.34	84.0	88	3.07
V	1, 2, 5, 6, 8, 10, 15, 19, 21, 23, 22, 27	2.22	11,738	72	5.04	2	0	0.00	1192	10	0.54	13	64	4.50	102	0	0.00	5797.3	41	2.85	77.6	80	2.80
W	1, 2, 5, 6, 8, 10, 15, 19, 21, 24	2.14	11,318	61	4.30	2	0	0.00	952	0	0.00	12	57	4.00	102	0	0.00	4536.0	14	0.98	83.9	87	3.06
AC	1, 3, 8, 9, 13, 12, 25, 26, 27	2.23	11,795	73	5.14	4	100	3.50	3219	97	5.10	11	50	3.50	334	56	0.98	7974.9	87	6.08	58.4	58	2.03
AE	1, 3, 8, 9, 14, 15, 19, 20, 22, 27	2.30	12,125	82	5.73	2	0	0.00	3284	100	5.25	17	93	6.50	102	0	0.00	8525.8	99	6.90	88.0	92	3.23
AF	1, 3, 8, 9, 14, 15, 19, 20, 23, 24	2.30	12,144	82	5.76	2	0	0.00	3043	90	4.71	18	100	7.00	102	0	0.00	7532.6	77	5.42	94.6	100	3.50
AG	1, 3, 8, 9, 14, 15, 19, 21, 23, 22, 27	2.36	12,449	90	6.31	2	0	0.00	3245	98	5.16	16	86	6.00	102	0	0.00	7204.7	71	4.94	88.3	93	3.24
AH	1, 3, 8, 9, 14, 15, 19, 21, 24	2.28	12,029	79	5.56	2	0	0.00	3004	88	4.62	15	79	5.50	102	0	0.00	5943.3	44	3.07	94.6	100	3.50
AI	1, 3, 10, 14, 13, 12, 25, 26, 27	2.27	11,988	78	5.49	4	100	3.50	3013	88	4.64	8	29	2.00	334	56	0.98	8596.0	100	7.00	59.1	59	2.05
AK	1, 3, 10, 15, 19, 20, 22, 27	2.07	10,934	52	3.61	2	0	0.00	2361	60	3.17	14	71	5.00	102	0	0.00	7773.8	83	5.78	86.7	91	3.17
AL	1, 3, 10, 15, 19, 20, 23, 24	2.08	10,980	53	3.70	2	0	0.00	2121	50	2.63	15	79	5.50	102	0	0.00	6780.6	62	4.31	93.8	99	3.47
AM	1, 3, 10, 15, 19, 21, 23, 22, 27	2.13	11,258	60	4.19	2	0	0.00	2322	59	3.09	13	64	4.50	102	0	0.00	6452.7	55	3.82	87.0	91	3.19
AN	1, 3, 10, 15, 19, 21, 24	2.05	10,838	49	3.44	2	0	0.00	2082	48	2.54	12	57	4.00	102	0	0.00	5191.3	28	1.95	94.0	99	3.47
Min			8901	--	--	2	--	--	952	--	--	4	--	--	102	--	--	3876.7	--	--	8.6	--	--
Max			12840	--	--	4	--	--	3284	--	--	18	--	--	517	--	--	8596.0	--	--	94.6	--	--
Range			3939	--	--	2	--	--	2331	--	--	14	--	--	415	--	--	4719.3	--	--	86.0	--	--
Criteria Description:			Length determine by route centerline.						Slopes were derived from Lidar elevation data. Elevation data was converted into percent slope and then summarized by if it was greater that 20%.			Turn angles were measured at each point of inflection along the route.			Crossing a river, highway, or other access-limited area. This number should be length in feet of span exceeding 400'. For example, a span of 415ft, would be shown in this table as 15.								

Figure 1. Distribution of Quantitative Route Analysis Scores



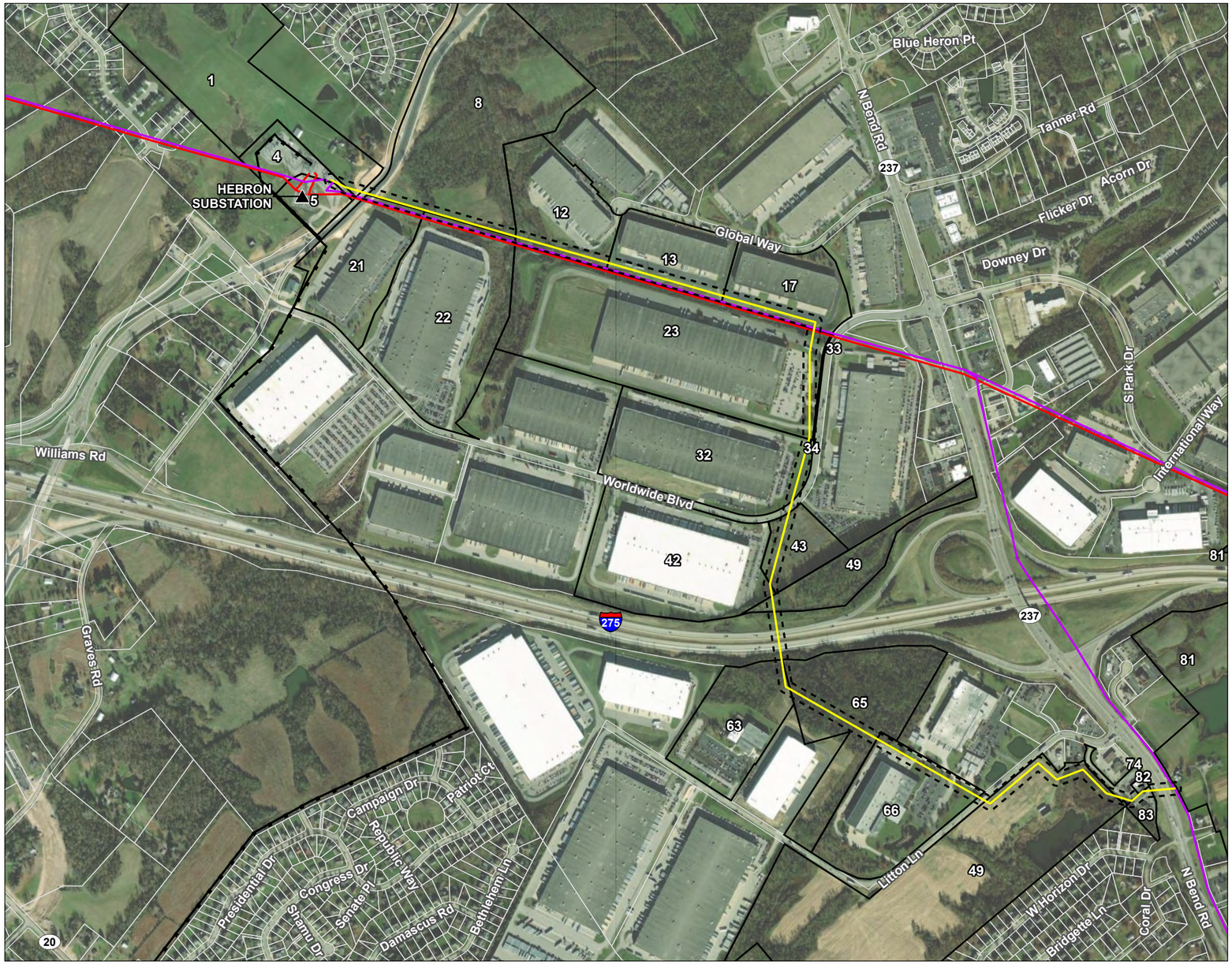


Figure No.
8

Title
Preferred Route

Client/Project 193708666
Duke Energy Kentucky
Hebron to Oakbrook 138 kV Transmission Line Project

Project Location
Boone Co., Kentucky

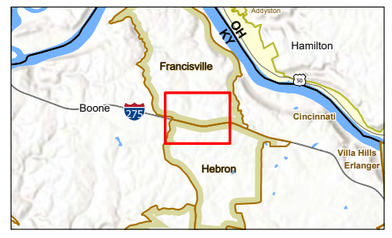
Prepared by PM on 2022-08-22
TR by BT on 2021-11-09
IR by TR on 2022-09-08

N

0 400 800 Feet
(At original document size of 11x17)
1:9,600

Legend
- Duke-owned Existing Substation
- Duke-owned Existing 69 kV Transmission Line
- Duke-owned Existing 138 kV Transmission Line
- Foreign Owned Existing Transmission Line
- Hebron to Oakbrook Preferred Route Centerline
- Proposed ROW
- Parcels Impacted by Project (Duke Unq. ID)
- Parcel Boundary

*Exhibit reflects parcels impacted by anticipated ROW associated with preferred route at the time of CPCN submission.



Notes
1. Coordinate System: NAD 1983 StatePlane Kentucky North FIPS 1601 Feet
2. Data Sources: Stantec, Duke, USGS, NADS, PennWell, OSM, USFWS
3. Background: Esri World Imagery

DUKE ENERGY®

V:\193708666\03_data\gis_cad\gis\mxds\CPCN\193708666_Hebron_to_Oakbrook_CPCN\193708666_Hebron_to_Oakbrook_CPCN.aprx Revised: 2022-11-10 By: pnrielke

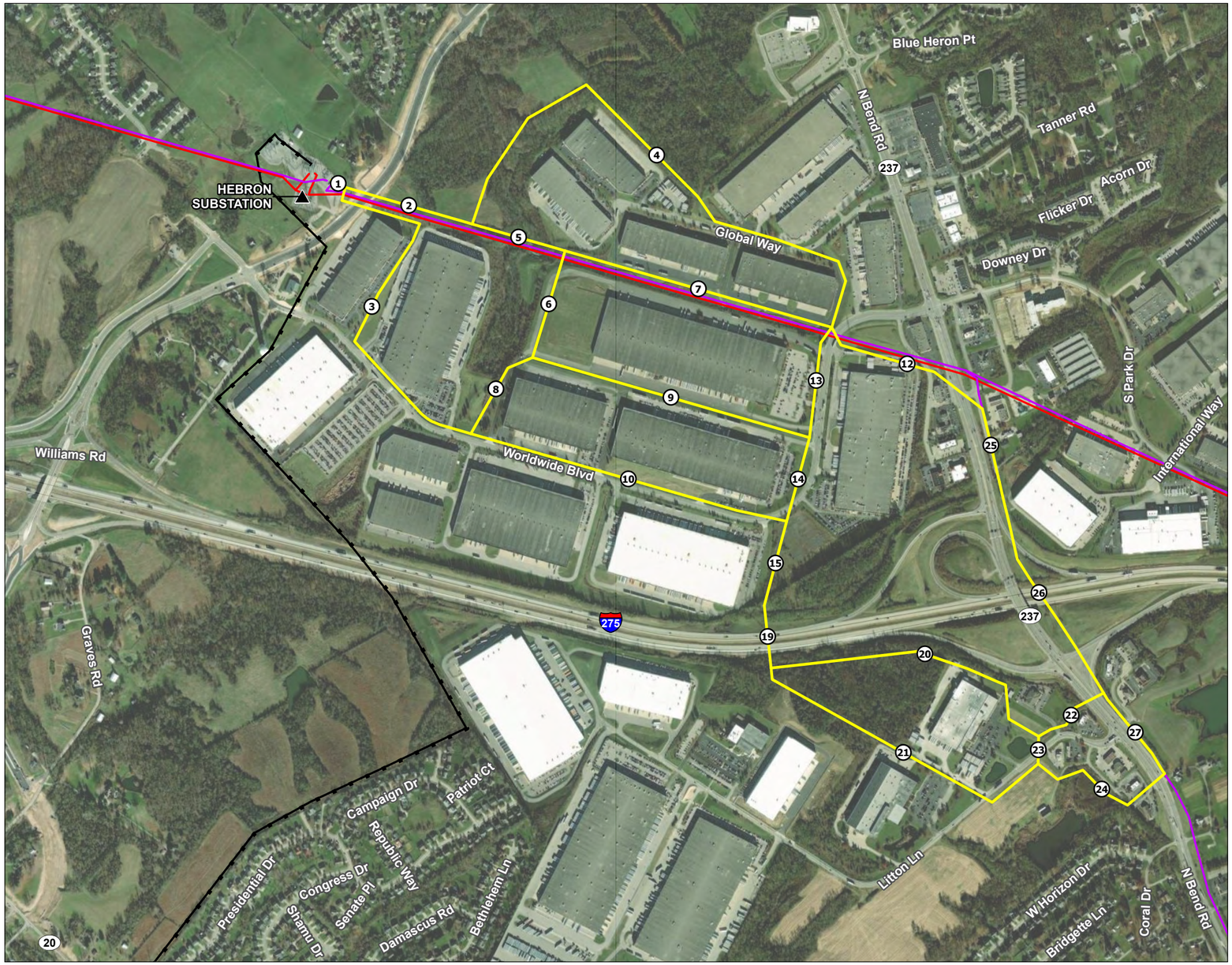


Figure No.
9

Title
Alternative Route Segments

Client/Project
193708666
Duke Energy Kentucky
Hebron to Oakbrook 138 kV Transmission Line Project

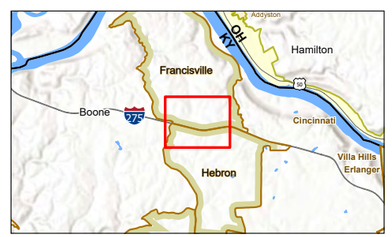
Project Location
Boone Co., Kentucky

Prepared by PM on 2022-08-23
TR by BT on 2021-11-09
IR by TR on 2022-09-08

N

0 400 800 Feet
(At original document size of 11x17)
1:9,600

Legend
- Duke-owned Existing Substation
- Duke-owned Existing 69 kV Transmission Line
- Duke-owned Existing 138 kV Transmission Line
- Foreign Owned Existing Transmission Line
- Segment Network



Notes
1. Coordinate System: NAD 1983 StatePlane Kentucky North FIPS 1601 Feet
2. Data Sources: Stantec, Duke, USGS, NADS, PennWell, OSM, EKPC
3. Background: Esri World Imagery

DUKE ENERGY®

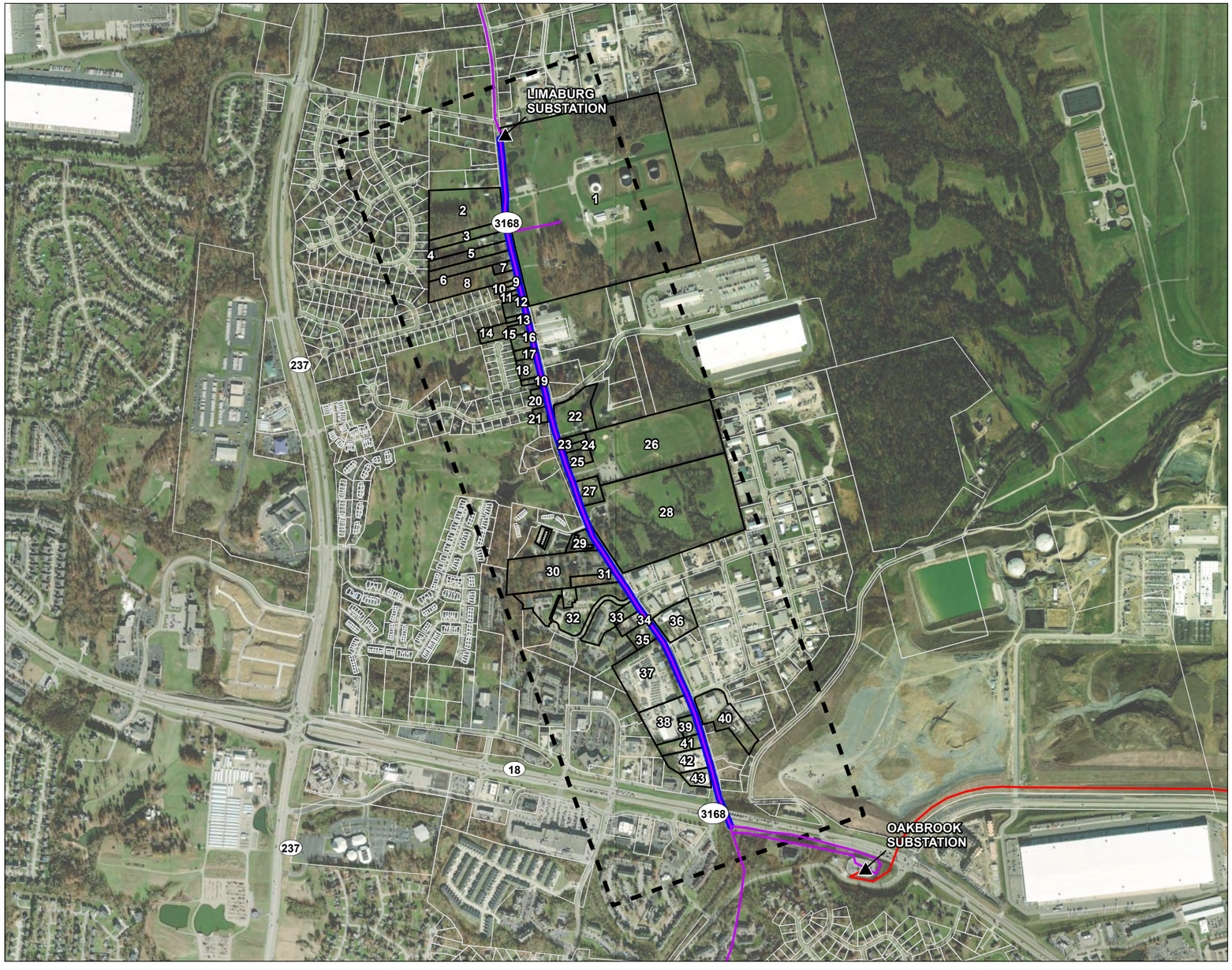


Figure No.
10

Title
Rebuild Area

Client/Project 193708666
Duke Energy Kentucky
Hebron to Oakbrook 138 kV Transmission Line Project

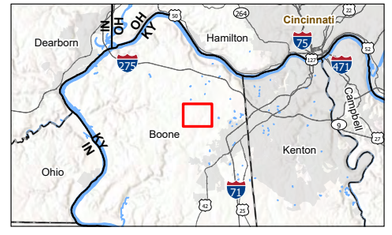
Project Location
Boone Co., Kentucky

Prepared by PM on 2022-08-23
TR by BT on 2021-11-09
IR by TR on 2022-09-08

N

0 500 1,000 Feet
(At original document size of 11x17)
1:12,000

Legend
- Rebuild Area
- Duke-owned Existing Substation
- Duke-owned Existing 69 kV Transmission Line
- Duke-owned Existing 138 kV Transmission Line
- Rebuild Section
- Parcels Impacted by Project (Duke Unq. ID)
- Parcel Boundary



Notes
1. Coordinate System: NAD 1983 StatePlane Kentucky North FIPS 1601 Feet
2. Data Sources: Stantec, Duke, USGS, NADS, PennWell, OSM, EKPC
3. Background: Esri World Imagery

DUKE ENERGY®

V:\19371\Active\193708666\03_data\gis_cad\gis\mxds\CPCN\193708666_Hebron to Oakbrook CPCN\193708666_Hebron to Oakbrook_CPCN.aprx Revised: 2022-11-10 By: pnielke

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

The Electronic Application of Duke Energy Kentucky, Inc. for a Certificate of Public Convenience and Necessity to Construct A 138-kV Transmission Line and Associated Facilities in Boone County (Hebron to Oakbrook Transmission Line Project)	))))))	Case No. 2022-00364

Verified Statement in Accordance with 807 KAR 5:120, Section 2(3)

Dawn M. Fuller, Senior Stakeholder Engagement Manger, being duly sworn, states as follows:

1. The statements contained in this verification are based upon my personal knowledge, or my review of the records of Duke Energy Kentucky, Inc. within the purview of my duties for the Company.

2. The records of the Boone County Property Valuation Administrator, except as corrected or updated upon landowner contact or other research, located within the filing corridor (including the currently proposed right-of-way) for Duke Energy Kentucky, Inc.'s Hebron to Oakbrook Transmission Line Project will cross the property owned by the persons listed in Exhibit 12 of the Application.

3. On November 10, 2022 the persons in Exhibit 12 were mailed the notice as required by 807 KAR 5:120, Section 2(3)(a) – (e):

> *A verified statement that, according to county property valuation administrator records, each property owner over whose property the transmission line right-of-way is proposed to cross has been sent by first-class mail, addressed to the property owner at the owner's address as indicated by the county property valuation administrator records, or hand delivered:*
>
> *(a) Notice of the proposed construction;*

(b) The commission docket number under which the application will be processed and a map showing the proposed route of the line;
(c) The address and telephone number of the executive director of the commission;
(d) A description of his or her rights to request a local public hearing and to request to intervene in the case; and
(e) A description of the project.

4. The form of the notice mailed is attached in Exhibit 12.

FURTHER AFFIANT SAYETH NAUGHT.

Dawn M. Fuller

STATE OF OHIO)
) **SS**
COUNTY OF HAMILTON)

Subscribed and sworn to before me, a Notary Public in and before said County and State, by Dawn M. Fuller this 23rd day of March 2023.

Notary Public
My Commission Expires: No Exp. Date

NOTARIAL SEAL STATE OF OHIO

ROCCO O. D'ASCENZO
ATTORNEY AT LAW
Notary Public, State of Ohio
My Commission Has No Expiration
Section 147.03 R.C.

Transmission - Public Engagement
EX552 | 315 Main St
Cincinnati, OH 45202
duke-energy.com

November 10, 2022

[redacted]

Project Reference: Hebron to Oakbrook Reliability Project, Notice of Proposed Electric Transmission Line Construction Project

Dear Property Owner:

As you are probably aware, Duke Energy Kentucky, Inc., (Duke Energy) is proposing a new electric transmission line project in Boone County. We are contacting you as part of the process to file an application seeking a certificate of public convenience and necessity from the Kentucky Public Service Commission. This project involves the approximate 2.1-mile construction of a new transmission line starting from Hebron Substation at 2139 Graves Road, in Hebron, Ky., to Route 237.

You are receiving this notice because county property records indicate either the proposed transmission line right-of-way crosses your property, or you own property within the filing corridor.

1. The construction of the proposed transmission line between the Hebron Substation and Route 237 involves the following work:

- The construction of approximately 2.1 miles of transmission line with capacity for 138-kV but will initially be operated at 69-kV.
- The transmission line will be supported by approximately 40 steel poles with an average above-ground height of 80-100 feet.
- The distance between poles will run an average of 200 to 400 feet.
- Right-of-way width for the project is anticipated to be 70 feet when the line is running parallel and adjacent to a public road, and 100 feet when the line is running cross-country.
- To enable the safe operation of the line, the required right-of-way width and location of the centerline will be finalized during the detailed engineering design and construction phases, and will be discussed in land rights negotiations with landowners.

The project is described as Case No. 2022-00364 on the Kentucky Public Service Commission's website at https://psc.ky.gov/Case/ViewCaseFilings/2022-00364/.

2. Enclosed is a map that shows the route of the proposed transmission line.

3. The Kentucky Public Service Commission will process Duke Energy's application under Case No. 2022-00364.

Contact information for the Executive Director of the Kentucky Public Service Commission:

Linda Bridwell, Executive Director
Kentucky Public Service Commission
211 Sower Boulevard
Frankfort, KY 40602
502.564-3940
800.772.4636

Duke Energy anticipates filing its application with the Kentucky Public Service Commission on or after November 28, 2022. The application when filed may be viewed under Case No. 2022-00364 on the commission's website at https://psc.ky.gov/Case/ViewCaseFilings/2022-00364/.

4. You have the right to submit a timely written request for intervention in Case No. 2022-00364. The motion must be submitted to the Kentucky Public Service Commission, 211 Sower Boulevard, Frankfort, KY 40602, and must establish the grounds for your request to intervene, including your status and the nature of your interest in the proceeding. Please see 807 KAR 5:001, Section 4 (11) at http://kyrules.elaws.us/rule/807kar5:001 for additional information regarding the requirements and procedure for requesting intervention. 807 KAR 5:001, Section 4(11) may be accessed at http://kyrules.elaws.us/rule/807kar5:001.

If no request for intervention is received within 30 days of the filing of the application, the Kentucky Public Service Commission may take final action on the application. The request for intervention should reference Case No. 2022-00364.

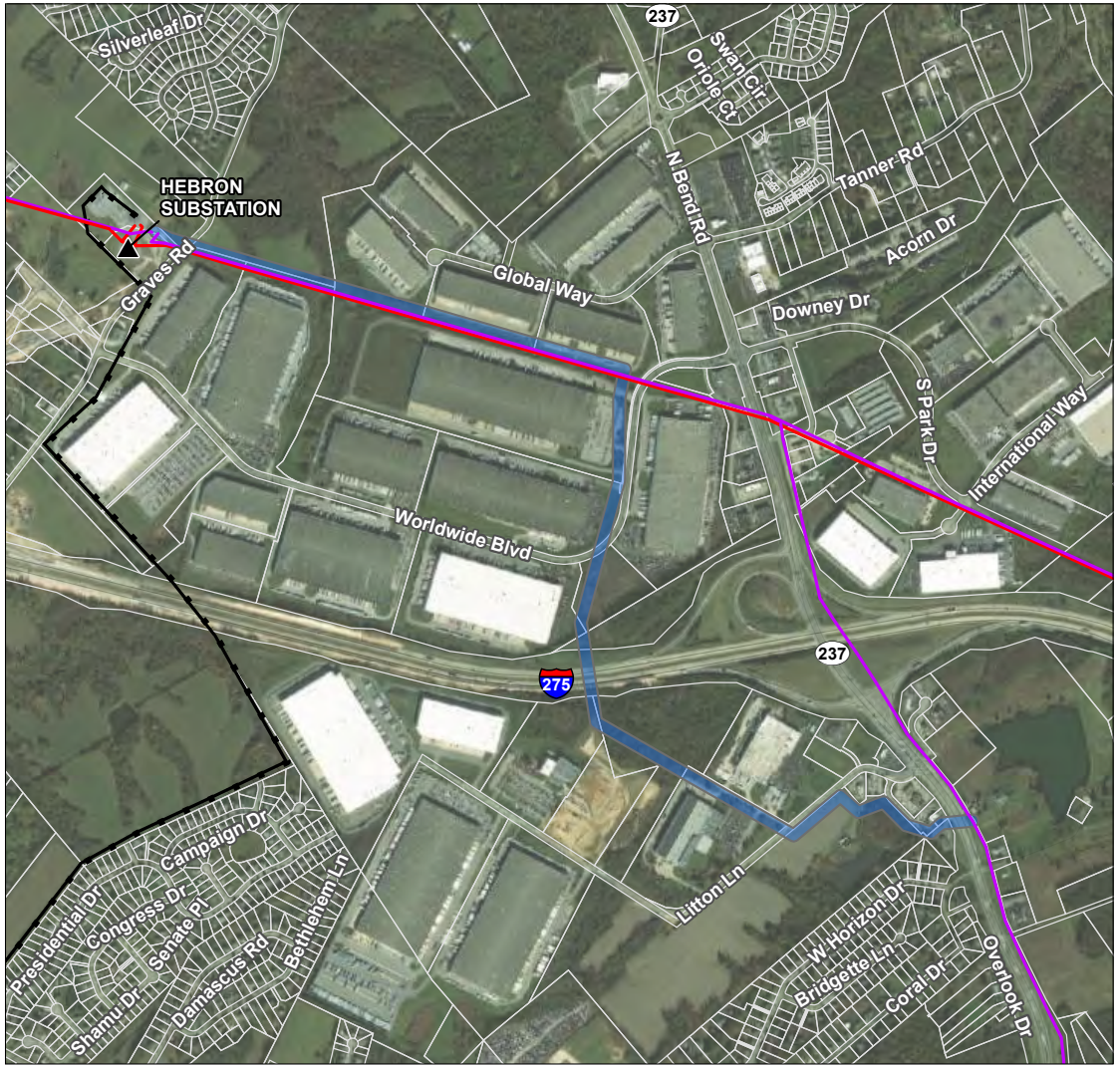
5. You also have the right to request a local public hearing regarding the application and the proposed 69-kV transmission line and related work. The requirements for requesting a local public hearing are described in 807 KAR 5:120, Section 3. See http://kyrules.elaws.us/rule/807kar5:120 for additional information.

6. Written comments may also be filed at the above address, or by sending an email to the commission's public information officer at **psc.info@ky.gov**. The comments should reference Case No. 2022-00364.

7. Project updates may also be found on the Duke Energy Hebron to Oakbrook Reliability Project website at duke-energy.com/hebron.

Sincerely,

Duke Energy



Title
Preferred Route Corridor

Client/Project
Hebron to Oakbrook
138 kV Transmission Line Project

Project Location
Boone County,
Kentucky

N

0 600 1,200 Feet
(At original document size of 8.5x11)
1:15,000

Legend

- Duke-owned Existing Substation
- Duke-owned Existing 69 kV Transmission Line
- Duke-owned Existing 138 kV Transmission Line
- Foreign Owned Existing Transmission Line
- Preferred Route Corridor
- Parcel Boundary

DUKE ENERGY®

Notes
1. Coordinate System: NAD 1983 StatePlane Kentucky North FIPS 1601 Feet
2. Data Sources: Duke Energy, Stantec, NADS
3. Background: NAIP 2018

Page 1 of 1

Hebron to Oakbrook Mailing List

OWNER1	MAILADDRES	Mailcsz	Mailing_List_ID	COUNTYPIN	PHYSICALAD	PHYSICALCI	PHYSICALST	PHYSICALZI
ACW PARTNERS LLC	3814 WEST ST STE 100	CINCINNATI, OH 45227	63	036.00-09-001.02	2300 LITTON LN	HEBRON	KY	41048
			65	036.00-09-002.00	2250 LITTON LN	HEBRON	KY	41048
CINCINNATI MACHINE LLC	2200 LITTON LN	HEBRON, KY 41048	66	036.00-09-003.00	2200 LITTON LN	HEBRON	KY	41048
COMMONWEALTH OF KENTUCKY TRANSPORTAT	200 MERO ST	FRANKFORT, KY 40622	34	035.00-10-010.01			KY	
DCT PARK WEST LLC IDI SERVICES GROUP	1800 WAZEE ST	DENVER, CO 80202	12	035.00-10-007.00	2305-2335 GLOBAL WAY	HEBRON	KY	41048
DCT/SPF PARK WEST LLC	1800 WAZEE ST	DENVER, CO 80202	22	035.00-10-012.02	1596-1600 WORLDWIDE BLVD		KY	
DUKE ENERGY KENTUCKY INC	400 S TRYON ST	CHARLOTTE, NC 28285	5	035.00-00-051.02	2139 GRAVES RD	HEBRON	KY	41048
EAST KENTUCKY POWER COOPERATIVE INC	4775 LEXINGTON RD	WINCHESTER, KY 40391	4	035.00-00-051.04	2131 GRAVES RD	HEBRON	KY	41048
FARM MEMORIES LLC	2093 GRAVES RD	HEBRON, KY 41048	1	035.00-00-051.00	2123 GRAVES RD	HEBRON	KY	41048
HEBRON LAND COMPANY LLC	45 FAIRFIELD AVE SUITE 200	BELLEVUE, WA 41073	83	036.00-00-058.00	2575 NORTH BEND RD	HEBRON	KY	41048
I&G DIRECT REAL ESTATE 33D LP	270 PARK AVE	NEW YORK, NY 10017	21	035.00-10-012.01	1770-1800 WORLDWIDE BLVD		KY	
I&G DIRECT REAL ESTATE 34 LP	270 PARK AVE	NEW YORK, NY 10017	23	035.00-10-009.00	1100 WORLDWIDE BLVD	HEBRON	KY	41048
IPT PARK WEST DC LLC	1800 WAZEE ST SUITE 500	DENVER, CO 80202	43	035.00-00-044.02			KY	
MCGLASSON MELVIN	2580 NORTH BEND RD	HEBRON, KY 41048	81	047.00-00-005.00	2538 NORTH BEND RD	HEBRON	KY	41048
MCGLASSON MELVIN R LIVING TRUST	1856 PERRY LN	BURLINGTON, KY 41005	49	036.00-00-057.00			KY	
SUGAR CAMP PARTNERSHIP	2272 WILLIAMS RD	HEBRON, KY 41048	8	035.00-00-052.00	2807 GRAVES RD	HEBRON	KY	41048
TRANSPORTATION CABINET DEPT OF HIGH	200 MERO ST	FRANKFORT, KY 40622	33	035.00-10-009.01			KY	
			13	035.00-10-004.00	2205-2255 GLOBAL WAY	HEBRON	KY	41048
			17	035.00-10-003.00	2055-2095 GLOBAL WAY	HEBRON	KY	41048
			32	035.00-10-010.00	1200 WORLDWIDE BLVD	HEBRON	KY	41048
TREEVIEW INDUSTRIAL LLC	1600 JOHN F KENNEDY BLVD SUITE 1010	PHILADELPHIA, PA 19103	42	035.00-10-014.00	1405 WORLDWIDE BLVD	HEBRON	KY	41048
			74	036.00-00-057.02			KY	
YACOUB NIDAL K	PO BOX 6969	SYRACUSE, NY 13217	82	036.00-00-057.01	2549 NORTH BEND RD	HEBRON	KY	41048

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

ACW PARTNERS LLC
3814 WEST ST STE 100
CINCINNATI, OH 45227

9590 9402 6783 1074 3155 22

2. Article Number *(Transfer from service label)*
7021 2720 0003 4166 6456

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☒ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery 11-14

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

---

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

DCT PARK WEST LLC IDI SERVICES
GROUP
2305-2335 GLOBAL WAY
HEBRON, KY 41048

9590 9402 6783 1074 3154 61

2. Article Number *(Transfer from service label)*
7021 2720 0003 4166 6524

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X AKRS CIA ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

---

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

EAST KENTUCKY POWER COOPERATIVE
4775 LEXINGTON RD
WINCHESTER, KY 40391

9590 9402 6783 1074 3154 23

2. Article Number *(Transfer from service label)*
7021 2720 0003 4166 6562

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* Brandon Whisman C. Date of Delivery 11-14-2022

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

---

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

COMMONWEALTH OF KENTUCKY
TRANSPORTAT
200 MERO ST
FRANKFORT, KY 40622

9590 9402 6783 1074 3155 15

2. Article Number *(Transfer from service label)*
7021 2720 0003 4166 6470

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* NOV 15 2022 C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

---

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

DCT/SPF PARK WEST LLC
1800 WAZEE ST
DENVER, CO 80202

9590 9402 6783 1074 3154 78

2. Article Number *(Transfer from service label)*
7021 2720 0003 4166 6517

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X JODI BROOKS ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* NOV 15 REC'D C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

---

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

FARM MEMORIES LLC
2093 GRAVES RD
HEBRON, KY 41048

9590 9402 6783 1074 3154 09

2. Article Number *(Transfer from service label)*
7021 2720 0003 4166 6586

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

---

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

DCT PARK WEST LLC IDI SERVICES
1800 WAZEE ST
DENVER, CO 80202

9590 9402 6783 1074 3154 92

2. Article Number *(Transfer from service label)*
7021 2720 0003 4166 6494

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X JODI BROOKS ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* NOV 15 REC'D C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

---

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

DUKE ENERGY KENTUCKY INC
400 S TRYON ST
CHARLOTTE, NC 28285

9590 9402 6783 1074 3154 54

2. Article Number *(Transfer from service label)*
7021 2720 0003 4166 6531

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X JAMES CHAPMAN ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery 11/17/22

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

---

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

FARM MEMORIES LLC
2123 GRAVES RD
HEBRON, KY 41048

9590 9402 6783 1074 3153 86

2. Article Number *(Transfer from service label)*
7021 2720 0003 4166 6609

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

IPT PARK WEST DC LLC
1800 WAZEE ST SUITE 500
DENVER, CO 80202

9590 9402 6783 1074 3153 24

2. Article Number *(Transfer from service label)*
7021 2720 0003 4166 6678

PS Form 3811, July 2020 PSN 7530-02-000-9053 — Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X JODI BROOKS ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* — C. Date of Delivery
NOV 14 RECD

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

MCGLASSON MELVIN
2538 NORTH BEND RD
HEBRON, KY 41048

9590 9402 7595 2098 8421 11

2. Article Number *(Transfer from service label)*
7021 2720 0003 4166 6661

PS Form 3811, July 2020 PSN 7530-02-000-9053 — Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X D M McGlasson ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* — C. Date of Delivery
D M McGlasson

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

USPS HEBRON KY 41048 NOV 15 2022

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

MCGLASSON MELVIN R LIVING TRUST
1856 PERRY LN
BURLINGTON, KY 41005

9590 9402 7595 2098 8420 67

2. Article Number *(Transfer from service label)*
7021 2720 0003 4166 6722

PS Form 3811, July 2020 PSN 7530-02-000-9053 — Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X D M McGlasson ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* — C. Date of Delivery
DAN M Glasson

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

BURLINGTON KY NOV 14 2022

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

TRANSPORTATION CABINET DEPT
200 MERO ST
FRANKFORT, KY 40622

9590 9402 7595 2098 8420 12

2. Article Number *(Transfer from service label)*
7021 2720 0003 4166 6777

PS Form 3811, July 2020 PSN 7530-02-000-9053 — Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Steve Buttorff ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* — C. Date of Delivery
Steve Buttorff NOV 15 2022

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

TREEVIEW INDUSTRIAL LLC
1600 JOHN F KENNEDY BLVD
SUITE 1010
PHILADELPHIA, PA 19103

9590 9402 7595 2098 8420 05

2. Article Number *(Transfer from service label)*
7021 2720 0003 4166 6784

PS Form 3811, July 2020 PSN 7530-02-000-9053 — Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* — C. Date of Delivery
J F W 11.15.22

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

USPS PHILADELPHIA PA 191 NOV 10 2022

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

YACOUB NIDAL K
PO BOX 6969
SYRACUSE, NY 13217

9590 9402 7595 2098 8419 92

2. Article Number *(Transfer from service label)*
7021 2720 0003 4166 6791

PS Form 3811, July 2020 PSN 7530-02-000-9053 — Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* — C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery
(over $500)

Transmission - Public Engagement
EX552 | 315 Main St
Cincinnati, OH 45202
duke-energy.com

November 10, 2022

[redacted]

Project Reference: Limaburg to Oakbrook Reliability Project, Notice of Proposed Electric Transmission Line Construction Project

Dear Property Owner:

Duke Energy Kentucky, Inc., (Duke Energy) is proposing the rebuild of an existing electric transmission line in Boone County. We are contacting you as part of the process to file an application seeking a certificate of public convenience and necessity from the Kentucky Public Service Commission. This project involves rebuilding an existing 1.5-mile section of a 69-kV transmission line and its associated equipment from Limaburg Substation along Limaburg Road in Hebron, Ky., to Burlington Pike in Burlington, Ky. Part of this project involves building a new transmission line starting from Hebron Substation at 2139 Graves Road, in Hebron, Ky., to Route 237.

You are receiving this notice because county property records indicate either the proposed transmission line right-of-way crosses your property, or you own property within the filing corridor.

1. The rebuild of an existing 69-kV transmission line between the Limaburg Substation and Burlington Pike involves the following work:

    - Rebuilding of 1.5 miles of an existing transmission line with capacity for 138-kV but will initially be operated at 69-kV.
    - The rebuilt transmission line will be supported by approximately 54 steel poles with an average above-ground height of 80-100 feet.
    - The distance between poles will run an average of 100 to 300 feet.
    - Additional right-of-way may be required for guy wires and will be determined during the engineering phase of the transmission line.

The project is described as Case No. 2022-00364 on the Kentucky Public Service Commission's website at https://psc.ky.gov/Case/ViewCaseFilings/2022-00364/.

2. Enclosed is a map that shows the route of the proposed transmission line rebuild.

3. The Kentucky Public Service Commission will process Duke Energy's application under Case No. 2022-00364.

Contact information for the Executive Director of the Kentucky Public Service Commission:

Linda Bridwell, Executive Director
Kentucky Public Service Commission
211 Sower Boulevard
Frankfort, KY 40602
502.564-3940
800.772.4636

Duke Energy anticipates filing its application with the Kentucky Public Service Commission on or after November 28, 2022. The application when filed may be viewed under Case No. 2022-00364 on the commission's website at https://psc.ky.gov/Case/ViewCaseFilings/2022-00364/.

4. You have the right to submit a timely written request for intervention in Case No. 2022-00364. The motion must be submitted to the Kentucky Public Service Commission, 211 Sower Boulevard, Frankfort, KY 40602, and must establish the grounds for your request to intervene, including your status and the nature of your interest in the proceeding. Please see 807 KAR 5:001, Section 4 (11) at http://kyrules.elaws.us/rule/807kar5:001 for additional information regarding the requirements and procedure for requesting intervention. 807 KAR 5:001, Section 4(11) may be accessed at http://kyrules.elaws.us/rule/807kar5:001.

If no request for intervention is received within 30 days of the filing of the application, the Kentucky Public Service Commission may take final action on the application. The request for intervention should reference Case No. 2022-00364.

5. You also have the right to request a local public hearing regarding the application and the proposed 69-kV transmission line and related work. The requirements for requesting a local public hearing are described in 807 KAR 5:120, Section 3. See http://kyrules.elaws.us/rule/807kar5:120 for additional information.

6. Written comments may also be filed at the above address, or by sending an email to the commission's public information officer at **psc.info@ky.gov**. The comments should reference Case No. 2022-00364.

7. Project updates may also be found on the Duke Energy Project website at duke-energy.com/hebron.

Sincerely,

Duke Energy

Title
Rebuild Section

Client/Project
Hebron to Oakbrook
138 kV Transmission Line Project

Project Location
Boone County,
Kentucky

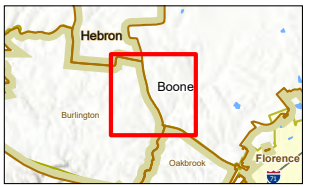
N

0 600 1,200 Feet
(At original document size of 8.5x11)
1:15,000

Legend

- Duke-owned Existing Substation
- Duke-owned Existing 69 kV Transmission Line
- Duke-owned Existing 138 kV Transmission Line
- Rebuild Section
- Parcel Boundary

DUKE ENERGY®



Notes
1. Coordinate System: NAD 1983 StatePlane Kentucky North FIPS 1601 Feet
2. Data Sources: Duke Energy, Stantec, NADS
3. Background: NAIP 2018

Page 1 of 1

Limaburg to Oakbrook Rebuild Mailing List

OWNER1	MAILADDRESS1	MAILCITY	MAILSTATE	PHYSICALADDRESS1	PHYSICALCITY	PHYSICALSTATE
A M S TIRE REALTY LTD	4175 MUHLHAUSER RD	FAIRFIELD	OH	1675 PRODUCTION DR	BURLINGTON	KY
BLACKBURN GAYLE L AND BEVERLY	1723 TIMBER LN	BURLINGTON	KY		BURLINGTON	KY
CRAWFORD MARK D	5320 LIMABURG RD	BURLINGTON	KY	5320 LIMABURG RD	BURLINGTON	KY
CRESSCO LLC	7159 PLEASANT VALLEY RD	FLORENCE	KY	5941 LIMABURG RD	BURLINGTON	KY
DRDD FAMILY TRUST	2179 WILLIAMS RD	HEBRON	KY		BURLINGTON	KY
FELTNER VERONIKA	713 BLACKMOORE GATE LN	ST AUGUSTINE	FL	5207 LIMABURG RD	BURLINGTON	KY
FINKENSTEDT DAVID F	1710 HARVEST CT	BURLINGTON	KY	1710 HARVEST CT	BURLINGTON	KY
FUGATE EMMA J	5019 LIMABURG RD	BURLINGTON	KY	5019 LIMABURG RD	BURLINGTON	KY
GOETZ PHILIP G	5065 LIMABURG RD	BURLINGTON	KY	5065 LIMABURG RD	BURLINGTON	KY
GROSS TODD E	7645 PLOW SHARE CT	FLORENCE	KY	5183 LIMABURG RD	BURLINGTON	KY
HAYFIELD PARK APTS #232100 EPIRIAN P	40 WALL ST 60TH FLOOR	NEW YORK	NY	5519 LIMABURG RD	BURLINGTON	KY
HICKS FLOYD AND MAXINE TRUSTEES OF T	1729 PIONEER BLVD	BURLINGTON	KY		BURLINGTON	KY
HOGAN PATRICIA A TRUST HOGAN PATRICI	5372 LIMABURG RD	BURLINGTON	KY	5372 LIMABURG RD	BURLINGTON	KY
HUNT CRAIG D & SALLY J	5147 LIMABURG RD	BURLINGTON	KY		BURLINGTON	KY
JACOBS JOAN M REVOCABLE TRUST	3536 GARBER LN	BURLINGTON	KY	5468 LIMABURG RD	BURLINGTON	KY
K AND T DEVELOPMENT LLC	2533 RITCHIE AVE	CRESCENT SPRINGS	KY	5559 LIMABURG RD	BURLINGTON	KY
KLOENTRUP JEREMY	6322 REMINGTON COVE	BURLINGTON	KY	4999 LIMABURG RD	BURLINGTON BURLINGTON	KY KY
LIMABURG PROPERTIES LLC	5719 LIMABURG RD	BURLINGTON	KY	5659 LIMABURG RD 5719 LIMABURG RD 5719 LIMABURG RD	BURLINGTON BURLINGTON BURLINGTON	KY KY KY
MAXWELL WAYNE C	5923 LIMABURG RD	BURLINGTON	KY	5923 LIMABURG RD	BURLINGTON BURLINGTON	KY KY
MCCARTHY PAUL T & BELINDA G	5853 LIMABURG RD	BURLINGTON	KY	5853 LIMABURG RD	BURLINGTON	KY
MCGRATH DAWN M	4965 LIMABURG RD	BURLINGTON	KY	4965 LIMABURG RD	BURLINGTON	KY
MID VALLEY PIPELINE	1900 DALROCK RD	ROWLETT	TX	4826 LIMABURG RD	BURLINGTON	KY
PIERSON GREGORY W	5127 LIMABURG RD	BURLINGTON	KY	5127 LIMABURG RD	BURLINGTON	KY
PRECISION CONSTRUCTION CORP	14 ROGER LN	FLORENCE	KY		BURLINGTON	KY
REEVES GILBERT & RUBY	5057 LIMABURG RD	BURLINGTON	KY	5057 LIMABURG RD	BURLINGTON	KY
ROBERTSON DONNA J	5077 LIMABURG RD	BURLINGTON	KY	5077 LIMABURG RD	BURLINGTON	KY
RYLE ELDON W & CLARA M TRUST	5613 LIMABURG RD	BURLINGTON	KY	5613 LIMABURG RD	BURLINGTON	KY
SCHWARTZ BRIAN S & KEMPER ALICIA B	5340 LIMABURG RD	BURLINGTON	KY	5340 LIMABURG RD	BURLINGTON	KY
SKAS PROPERTIES LLC	961 WHIRLAWAY DR	UNION	KY	5390 LIMABURG RD	BURLINGTON	KY
SKY HARBOR LLC	PO BOX 961009	FT WORTH	TX	1735 TANGLEWOOD CT	BURLINGTON	KY
SMITH JUANITA	5039 LIMABURG RD	BURLINGTON	KY		BURLINGTON	KY
STAHL DARRELL & BETHANY	4376 BELLEVIEW RD	PETERSBURG	KY		BURLINGTON	KY
THIEL DREW B	5159 LIMABURG RD	BURLINGTON	KY		BURLINGTON	KY
VAL COURT TOWNHOMES HOMEOWNERS C/O A	PO BOX 36305	CINCINNATI	OH		BURLINGTON	KY
VALENTINE DON C & CAROLE R	1724 TIMBER LN	BURLINGTON	KY	1724 TIMBER LN	BURLINGTON	KY
WILLOUGHBY CARL RAY SR & MARY E	5115 LIMABURG RD	BURLINGTON	KY		BURLINGTON	KY
WILLOUGHBY TRACIE M	1813 PEARL ST APT 1	COVINGTON	KY	5071 LIMABURG RD	BURLINGTON	KY
WOLFE CHARLES S & CHERIE	5360 LIMABURG RD	BURLINGTON	KY	5360 LIMABURG RD	BURLINGTON	KY
YARD DESIGNS, LLC	5637 LIMABURG RD	BURLINGTON	KY	5637 LIMABURG RD	BURLINGTON	KY

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

A M S TIRE REALTY LTD
~~4175~~ MUHLHAUSER RD
FAIRFIELD, OH 45014

9590 9402 7595 2098 8425 79

2. Article Number *(Transfer from service label)*

7021 2720 0003 4166 6814

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Rec

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X
☐ Agent
☐ Addressee

B. Received by *(Printed Name)* | C. Date of Delivery
11/14

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☑ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery
I Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

A M S TIRE REALTY LTD
1675 PRODUCTION DR
BURLINGTON, KY 41005

9590 9402 7595 2098 8402 61

2. Article Number *(Transfer from service label)*

7021 2720 0003 4166 6975

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X
☐ Agent
☐ Addressee

B. Received by *(Printed Name)* | C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☑ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery
tail
tail Restricted Delivery
0)

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

CHARLES S & CHERIE WOLFE
5360 LIMABURG RD
BURLINGTON, KY 41005

9590 9402 7595 2098 8392 65

2. Article Number *(Transfer from service label)*

7021 2720 0003 4166 7170

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X
☐ Agent
☐ Addressee

B. Received by *(Printed Name)*
CHARLES S WOLFE
C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

BURLINGTON KY 41005
NOV 22 2022
USPS

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☑ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery
Mail
Mail Restricted Delivery
(over $500)

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

A M S TIRE REALTY LTD
5045 WINTON RD
CINCINNATI, OH 45232

9590 9402 7772 2152 4003 22

2. Article Number *(Transfer from service label)*

7021 0350 0001 9166 8533

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X
☐ Agent
☐ Addressee

B. Received by *(Printed Name)*
Brad Rose
C. Date of Delivery
11/18/22

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☑ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery
ail
ail Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

AKRAM & AMANI OTHMAN
2306 KENYON CT
HEBRON, KY 41048

9590 9402 7535 2098 4386 64

2. Article Number *(Transfer from service label)*

7022 0410 0000 6021 0047

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X
☐ Agent
☐ Addressee

B. Received by *(Printed Name)*
Amy Othman
C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

HEBRON KY 41048
NOV 15 2022
USPS

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☑ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery
Mail
Mail Restricted Delivery
500)

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

COUNTY OF BOONE KENTUCKY
2950 WASHINGTON SQ
BURLINGTON, KY 41005

9590 9402 7772 2152 4002 61

2. Article Number *(Transfer from service label)*

7021 0350 0001 9166 8595

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X
☐ Agent
☐ Addressee

B. Received by *(Printed Name)*
C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

BURLINGTON KY 41005
NOV 17 2022
USPS

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☑ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery
ail Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

A M S TIRE REALTY LTD
1675 PRODUCTION DR
BURLINGTON, KY 41005

9590 9402 7772 2152 4004 21

2. Article Number *(Transfer from service label)*

7021 0350 0001 9166 8250

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X
☐ Agent
☐ Addressee

B. Received by *(Printed Name)*
C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☑ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery
I Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

BHAVIN V PATEL
9159 ARMISTEAD CT
UNION, KY 41091

9590 9402 7535 2098 4386 57

2. Article Number *(Transfer from service label)*

7022 0410 0000 6021 0054

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X
☐ Agent
☐ Addressee

B. Received by *(Printed Name)* | C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☑ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery
Mail
Mail Restricted Delivery
00)

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

CRAIG D & SALLY J HUNT
5147 LIMABURG RD
BURLINGTON, KY 41005

9590 9402 7595 2098 8400 87

2. Article Number *(Transfer from service label)*

7021 2720 0003 4166 6944

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X
☐ Agent
☐ Addressee

B. Received by *(Printed Name)* | C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

NOV 30 2022
USPS

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☑ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery
ail Restricted Delivery
0)

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

CRESSCO LLC
7159 PLEASANT VALLEY RD
FLORENCE, KY 41042

9590 9402 7595 2098 8425 48

2. Article Number *(Transfer from service label)*
7021 2720 0003 4166 6845

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

---

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

DARRELL & BETHANY STAHL
4376 BELLEVIEW RD
PETERSBURG, KY 41080

9590 9402 7595 2098 8400 56

2. Article Number *(Transfer from service label)*
7021 2720 0003 4166 7118

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

---

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

DE MOISEY VIRGINIA D
4847 LIMABURG RD
BURLINGTON, KY 41005

9590 9402 7772 2152 4004 83

2. Article Number *(Transfer from service label)*
7021 0350 0001 9166 8625

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

BURLINGTON, KY 41005 NOV 19 2022

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

---

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

CRESSCO LLC
5941 LIMABURG RD
BURLINGTON, KY 41005

9590 9402 7595 2098 8402 54

2. Article Number *(Transfer from service label)*
7021 2720 0003 4166 6982

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* Jonathon Wagner C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

BURLINGTON, KY 41005 NOV 15 2022

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

---

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

DAVID F FINKENSTEDT
1710 HARVEST CT
BURLINGTON, KY 41005

9590 9402 7595 2098 8425 17

2. Article Number *(Transfer from service label)*
7021 2720 0003 4166 6876

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* DAVID FINKENSTEDT C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

BURLINGTON, KY 41005 NOV 14 2022

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

---

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

DON C & CAROLE R VALENTINE
1724 TIMBER LN
BURLINGTON, KY 41005

9590 9402 7595 2098 8400 25

2. Article Number *(Transfer from service label)*
7021 2720 0003 4166 7149

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Deliv

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail E
☐ Registered
☐ Registered M
☐ Signature Co
☐ Signature Co Restricted De

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Retu

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

DANNY S DELPH
4907 LIMABURG RD
BURLINGTON, KY 41005

9590 9402 7772 2152 4004 90

2. Article Number *(Transfer from service label)*
7021 0350 0001 9166 8632

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* DANNY S DELPH C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

BURLINGTON, KY 41005 NOV 16 2022

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

---

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

DAWN M MCGRATH
4965 LIMABURG RD
BURLINGTON, KY 41005

9590 9402 7589 2098 3056 60

2. Article Number *(Transfer from service label)*
7021 2720 0003 4166 7224

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

BURLINGTON, KY 41005 NOV 14 2022 USPS

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

---

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

DONNA J ROBERTSON
5077 LIMABURG RD
BURLINGTON, KY 41005

9590 9402 7589 2098 3056 15

2. Article Number *(Transfer from service label)*
7021 2720 0003 4166 7279

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

BURLINGTON, KY 41005 NOV 14 2022 USPS

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

DRDD FAMILY TRUST
2179 WILLIAMS RD
HEBRON, KY 41048

9590 9402 7595 2098 8425 31

2. Article Number *(Transfer from service label)*

7021 2720 0003 4166 6852

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Reece T. Darnell ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* | C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

---

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

GARY L ELLIOTT
1383 GARDEN RD
WESTON, FL 33326

9590 9402 7772 2152 4005 20

2. Article Number *(Transfer from service label)*

7021 0350 0001 9166 8663

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X G Elliott ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* G Elliott | C. Date of Delivery 11-17-22

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

---

SENDER: COMPLETE THIS SECTION

- **Complete items 1, 2, and 3.**
- **Print your name and address on the reverse so that we can return the card to you.**
- **Attach this card to the back of the mailpiece, or on the front if space permits.**

1. Article Addressed to:

GILBERT & RUBY REEVES
5057 LIMABURG RD
BURLINGTON, KY 41005

NOV 15 2022

9590 9402 7589 2098 3056 22

2. Article Number *(Transfer from service label)*

7021 2720 0003 4166 7262

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Gene Reeves ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* GENE REEVES | C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

---

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

EMMA J FUGATE
5019 LIMABURG RD
BURLINGTON, KY 41005

9590 9402 7595 2098 8402 78

2. Article Number *(Transfer from service label)*

7021 2720 0003 4166 6883

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Emma J. Fugate ☐ Agent ☒ Addressee

B. Received by *(Printed Name)* Emma J. Fugate | C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

NOV 17 2022 USPS

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

---

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

GAYLE L AND BEVERLY BLACKBURN
1723 TIMBER LN
BURLINGTON, KY 41005

9590 9402 7595 2098 8425 62

2. Article Number *(Transfer from service label)*

7021 2720 0003 4166 6821

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Beverley Blackburn ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* Beverley Blackburn | C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

BURLINGTON KY 41005 NOV 15 2022

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

---

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

GM GROUP LLC
1720 WILDCAT BLVD S SUITE 110B
BURLINGTON, KY 41005

9590 9402 7772 2152 4005 37

2. Article Number *(Transfer from service label)*

7021 0350 0001 9166 8687

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Holly Sprague ☒ Agent ☐ Addressee

B. Received by *(Printed Name)* Holly Sprague | C. Date of Delivery 11-14-22

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

---

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

FAITHFUL FRIENDS PET CREMATORY LLC
4796 LIMABURG RD
BURLINGTON, KY ~~41005~~ 41048

9590 9402 7772 2152 4005 44

2. Article Number *(Transfer from service label)*

7021 0350 0001 9166 8670

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* | C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

---

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

GEORGE CASTEEL
2610 SECOND CREEK RD
PETERSBURG, KY 41080

9590 9402 7772 2152 4002 85

2. Article Number *(Transfer from service label)*

7021 0350 0001 9166 8571

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* | C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

---

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

HAYFIELD PARK APTS #232100 EPIRIAN
5519 LIMABURG RD
BURLINGTON, KY 41005

9590 9402 7595 2098 8402 23

2. Article Number *(Transfer from service label)*

7021 2720 0003 4166 7019

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* | C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

IVY RHODES
1679 VAL COURT DR
BURLINGTON, KY 41005

9590 9402 7535 2098 4386 33

2. Article Number *(Transfer from service label)*

7022 0410 0000 6021 0078

PS Form 3811, July 2020 PSN 7530-02-000-9053 — Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Ivy Rhodes ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* Ivy Rhodes — C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

NOV 15 2022

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

JOHN ROBERTSON
PO BOX 837
BURLINGTON, KY 41005

9590 9402 7535 2098 4386 26

2. Article Number *(Transfer from service label)*

7022 0410 0000 6021 0085

PS Form 3811, July 2020 PSN 7530-02-000-9053 — Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Bat Robertson ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* Bat Robertson — C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

NOV 15 2022
PO BOX 837

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

KUNKA FAMILY LIVING TRUST
1677 VAL COURT DR
BURLINGTON, KY 41005

9590 9402 7772 2152 4005 82

2. Article Number *(Transfer from service label)*

7021 0350 0001 9166 8724

PS Form 3811, July 2020 PSN 7530-02-000-9053 — Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Amy Mounce ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* Amy Mounce — C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

NOV 17 2022

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

JEREMY KLOENTRUP
6322 REMINGTON COVE
BURLINGTON, KY 41005

9590 9402 7595 2098 8419 85

2. Article Number *(Transfer from service label)*

7021 2720 0003 4166 6807

PS Form 3811, July 2020 PSN 7530-02-000-9053 — Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* Kloentrup — C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

NOV 19 2022

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

K AND T DEVELOPMENT LLC
5559 LIMABURG RD
BURLINGTON, KY 41005

9590 9402 7595 2098 8402 09

2. Article Number *(Transfer from service label)*

7021 2720 0003 4166 7033

PS Form 3811, July 2020 PSN 7530-02-000-9053 — Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* BRAD TRAUTH — C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

NOV 14 2022

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

MID VALLEY PIPELINE
4826 LIMABURG RD
BURLINGTON, KY 41005

9590 9402 7595 2098 8401 79

2. Article Number *(Transfer from service label)*

7021 2720 0003 4166 7064

PS Form 3811, July 2020 PSN 7530-02-000-9053 — Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* TODD CALTRIDE — C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

DEC 01 2022

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

JOAN JACOBS REVOCABLE TRUST
3536 GARBER LN
BURLINGTON, KY 41005

9590 9402 7595 2098 8400 70

2. Article Number *(Transfer from service label)*

7021 2720 0003 4166 6951

PS Form 3811, July 2020 PSN 7530-02-000-9053 — Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* J McNeeley — C. Date of Delivery 11-15

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

KEVIN B & LISA S HILLMAN
4827 LIMABURG RD
BURLINGTON, KY 41005

9590 9402 7772 2152 4005 68

2. Article Number *(Transfer from service label)*

7021 0350 0001 9166 8700

PS Form 3811, July 2020 PSN 7530-02-000-9053 — Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* — C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

DEC 01 2022

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

NORSELAND LLC
1911 GOLF CLUB DR
BURLINGTON, KY 41005

9590 9402 7772 2152 4003 60

2. Article Number *(Transfer from service label)*

7021 0350 0001 9166 8496

PS Form 3811, July 2020 PSN 7530-02-000-9053 — Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* Harry Lawrence — C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

PATRICIA A HOGAN TRUST
5372 LIMABURG RD
BURLINGTON, KY 41005

9590 9402 7595 2098 8400 94

2. Article Number *(Transfer from service label)*
7021 2720 0003 4166 6937

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Jackie Herrington ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* Jackie Herrington C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

NOV 29 2022 USPS

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

PRECISION CONSTRUCTION CORP
14 ROGER LN
FLORENCE, KY 41042

9590 9402 7589 2098 3056 39

2. Article Number *(Transfer from service label)*
7021 2720 0003 4166 7255

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

SKAS PROPERTIES LLC
961 WHIRLAWAY DR
UNION, KY 41091

9590 9402 7589 2098 3055 85

2. Article Number *(Transfer from service label)*
7021 2720 0003 4166 7309

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

PAUL T & BELINDA G MCCARTHY
5853 LIMABURG RD
BURLINGTON, KY 41005

9590 9402 7589 2098 3056 77

2. Article Number *(Transfer from service label)*
7021 2720 0003 4166 7217

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Belinda McCarthy ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* Belinda McCarthy C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

NOV 14 2022 BURLINGTON, KY 41005 USPS

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

ROBERT J & TERESA A EHLINGER
5459 LIMABURG RD
BURLINGTON, KY 41005

9590 9402 7772 2152 4005 13

2. Article Number *(Transfer from service label)*
7021 0350 0001 9166 8656

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Robert Ehlinger ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* Robert Ehlinger C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

BURLINGTON, KY 41005 NOV 17 2022 USPS

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

SKAS PROPERTIES LLC
5390 LIMABURG RD
BURLINGTON, KY 41005

9590 9402 7595 2098 8401 62

2. Article Number *(Transfer from service label)*
7021 2720 0003 4166 7071

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* Jerad Cahill C. Date of Delivery 11/16/22

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

BURLINGTON, KY 41005 NOV 16 2022

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

PHILIP G GOETZ
5065 LIMABURG RD
BURLINGTON, KY 41005

9590 9402 7595 2098 8401 31

2. Article Number *(Transfer from service label)*
7021 2720 0003 4166 6890

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Phil Goetz ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* PHIL GOETZ C. Date of Delivery 12/3/22

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

RONALD G & JANET ANDERSON
5226 LIMABURG RD
BURLINGTON, KY 41005

9590 9402 7772 2152 4003 15

2. Article Number *(Transfer from service label)*
7021 0350 0001 9166 8540

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Pamela Morris ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* Pamela Morris C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

NOV 18 2022 BURLINGTON, KY 41005 USPS

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

SKILCRAFT ACQUISITION LLC
5184 LIMABURG RD
BURLINGTON, KY 41005

9590 9402 7535 2098 4386 19

2. Article Number *(Transfer from service label)*
7022 0410 0000 6021 0092

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

TIMOTHY PHEAREN
4865 LIMABURG RD
BURLINGTON, KY 41005

9590 9402 7772 2152 4006 12

2. Article Number *(Transfer from service label)*

7022 0410 0000 6021 0030

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Denise Phearen ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature ☐ Priority Mail Express®
☐ Adult Signature Restricted Delivery ☐ Registered Mail™
☒ Certified Mail® ☐ Registered Mail Restricted Delivery
☐ Certified Mail Restricted Delivery ☐ Signature Confirmation™
☐ Collect on Delivery ☐ Signature Confirmation Restricted Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail Mail Restricted Delivery
(over $500)

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

UNION LIGHT HEAT AND POWER
COMPANY
139 E 4TH ST
CINCINNATI, OH ~~45201~~ 45202

9590 9402 7535 2098 4385 96

2. Article Number *(Transfer from service label)*

7022 0410 0000 6021 0115

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery
11/15/22

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature ☐ Priority Mail Express®
☐ Adult Signature Restricted Delivery ☐ Registered Mail™
☒ Certified Mail® ☐ Registered Mail Restricted Delivery
☐ Certified Mail Restricted Delivery ☐ Signature Confirmation™
☐ Collect on Delivery ☐ Signature Confirmation Restricted Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail Mail Restricted Delivery
(over $500)

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

WAYNE C MAXWELL
5923 LIMABURG RD
BURLINGTON, KY 41005

9590 9402 7595 2098 8419 61

2. Article Number *(Transfer from service label)*

7021 2720 0003 4166 7200

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature ☐ Priority Mail Express®
☐ Adult Signature Restricted Delivery ☐ Registered Mail™
☒ Certified Mail® ☐ Registered Mail Restricted Delivery
☐ Certified Mail Restricted Delivery ☐ Signature Confirmation™
☐ Collect on Delivery ☐ Signature Confirmation Restricted Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail Mail Restricted Delivery
(over $500)

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

TODD E GROSS
7645 PLOW SHARE CT
FLORENCE, KY 41042

9590 9402 7595 2098 8401 24

2. Article Number *(Transfer from service label)*

7021 2720 0003 4166 6906

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Virginia Gross ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature ☐ Priority Mail Express®
☐ Adult Signature Restricted Delivery ☐ Registered Mail™
☒ Certified Mail® ☐ Registered Mail Restricted Delivery
☐ Certified Mail Restricted Delivery ☐ Signature Confirmation™
☐ Collect on Delivery ☐ Signature Confirmation Restricted Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail Mail Restricted Delivery
(over $500)

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

VERONIKA FELTNER
713 BLACKMOORE GATE LN
ST AUGUSTINE, FL 32084

9590 9402 7595 2098 8425 24

2. Article Number *(Transfer from service label)*

7021 2720 0003 4166 6869

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Veronika Feltner ☐ Agent ☒ Addressee

B. Received by *(Printed Name)* C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature ☐ Priority Mail Express®
☐ Adult Signature Restricted Delivery ☐ Registered Mail™
☒ Certified Mail® ☐ Registered Mail Restricted Delivery
☐ Certified Mail Restricted Delivery ☐ Signature Confirmation™
☐ Collect on Delivery ☐ Signature Confirmation Restricted Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail Mail Restricted Delivery
(over $500)

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

WOLFE WOLFE PROPERTIES LLC
5578 LIMABURG RD
BURLINGTON, KY 41005

9590 9402 7535 2098 4386 71

2. Article Number *(Transfer from service label)*

7022 0410 0000 6021 0122

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery
DWAYNE WOLFE

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature ☐ Priority Mail Express®
☐ Adult Signature Restricted Delivery ☐ Registered Mail™
☒ Certified Mail® ☐ Registered Mail Restricted Delivery
☐ Certified Mail Restricted Delivery ☐ Signature Confirmation™
☐ Collect on Delivery ☐ Signature Confirmation Restricted Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail Mail Restricted Delivery
(over $500)

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

TRUSTEES OF HICKS FLOYD AND MAXINE
1729 PIONEER BLVD
BURLINGTON, KY 41005

9590 9402 7595 2098 8401 00

2. Article Number *(Transfer from service label)*

7021 2720 0003 4166 6920

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Floyd Hicks ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery
FLOYD HICKS

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature ☐ Priority Mail Express®
☐ Adult Signature Restricted Delivery ☐ Registered Mail™
☒ Certified Mail® ☐ Registered Mail Restricted Delivery
☐ Certified Mail Restricted Delivery ☐ Signature Confirmation™
☐ Collect on Delivery ☐ Signature Confirmation Restricted Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail Mail Restricted Delivery
(over $500)

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

VERONIKA FELTNER
5207 LIMABURG RD
BURLINGTON, KY 41005

9590 9402 7595 2098 8402 47

2. Article Number *(Transfer from service label)*

7021 2720 0003 4166 6999

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☒ Addressee

B. Received by *(Printed Name)* C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature ☐ Priority Mail Express®
☐ Adult Signature Restricted Delivery ☐ Registered Mail™
☒ Certified Mail® ☐ Registered Mail Restricted Delivery
☐ Certified Mail Restricted Delivery ☐ Signature Confirmation™
☐ Collect on Delivery ☐ Signature Confirmation Restricted Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail Mail Restricted Delivery
(over $500)

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

YARD DESIGNS, LLC
5637 LIMABURG RD
BURLINGTON, KY 41005

9590 9402 7595 2098 8392 58

2. Article Number *(Transfer from service label)*

7021 2720 0003 4166 7187

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature ☐ Priority Mail Express®
☐ Adult Signature Restricted Delivery ☐ Registered Mail™
☒ Certified Mail® ☐ Registered Mail Restricted Delivery
☐ Certified Mail Restricted Delivery ☐ Signature Confirmation™
☐ Collect on Delivery ☐ Signature Confirmation Restricted Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail Mail Restricted Delivery
(over $500)

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

SKY HARBOR LLC
1735 TANGLEWOOD CT
BURLINGTON, KY 41005

9590 9402 7595 2098 8401 55

2. Article Number *(Transfer from service label)*
7021 2720 0003 4166 7088

COMPLETE THIS SECTION ON DELIVERY

A. Signature
x [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* JaHn Kramer

C. Date of Delivery 11/14/22

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

NOTICE OF PROPOSED ELECTRIC TRANSMISSION LINE CONSTRUCTION PROJECT

Duke Energy Kentucky, Inc. (Duke Energy Kentucky or Company) proposes to construct a new 138-kilovolt (kV) transmission line in Boone County, Kentucky (Hebron to Oakbrook Transmission Line Project). The Hebron to Oakbrook Transmission Line Project involves the approximate two-mile construction of a new 138-kV transmission line and rebuild of a 1.5-mile portion of an existing 69 kV transmission line to 138-kV capacity. The proposed 138-kV transmission line runs east-southeast from the Hebron substation through an industrial complex crossing Interstate 275 to the west of Route 237. After crossing route 275 it runs east to connect to the existing transmission line along Route 237 across the street from the Burger King and Domino's Pizza. The rebuild portion of the transmission line runs south from Limaburg Substation along Limaburg Road in Hebron, Kentucky, to Burlington Pike in Burlington, Kentucky.

The proposed transmission line generally will require a 100-foot-wide right-of-way. Duke Energy Kentucky may also be required to alter the proposed centerline of the Hebron to Oakbrook Transmission Line Project and adjacent rights-of-way to address landowner preference or conditions discovered during survey and construction that affect constructability and access.

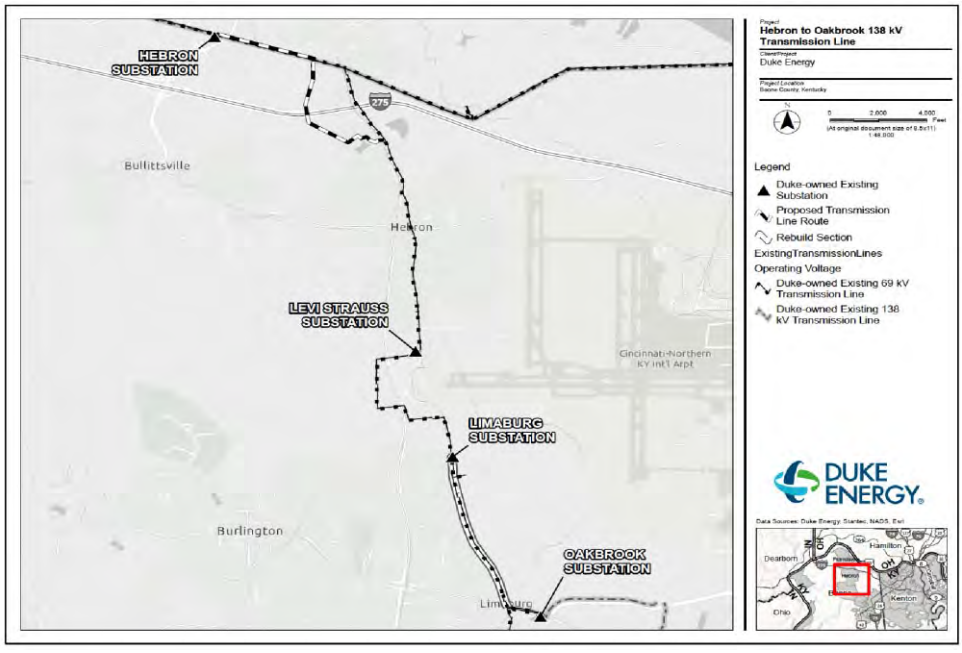
Duke Energy Kentucky plans to file an application with the Public Service Commission of Kentucky on or soon after March 27, 2023 seeking a certificate of public convenience and necessity authorizing the Hebron to Oakbrook Transmission Line Project. The application and the Commission proceeding have been assigned Case No. 2022-00364.

Any interested person, including any person over whose property the proposed transmission line will cross, may request a local public hearing in the county in which the transmission line is proposed to be constructed. The request must be in writing and should be delivered to the Executive Director, Public Service Commission, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. The request for local public hearing must be delivered to the Executive Director no later than thirty days after the date the application is filed. The request for local public hearing must comply with the requirements of 807 KAR 5:120, Section 3.

A person may seek to intervene as a party in the Commission proceeding to review Duke Energy Kentucky's application by filing a timely written request for intervention in accordance with the requirements of 807 KAR 5:001, Section 4(11) and 807 KAR 5:120, Section 3(3).

The application and other filings in connection with Duke Energy Kentucky's application may be accessed at http://psc.ky.gov under Case No. 2022-00364 once filed. Project updates and further information may also be found on the Company's website: www.duke-energy.com/Hebron

A map of the proposed route for the electrical transmission line is shown below.



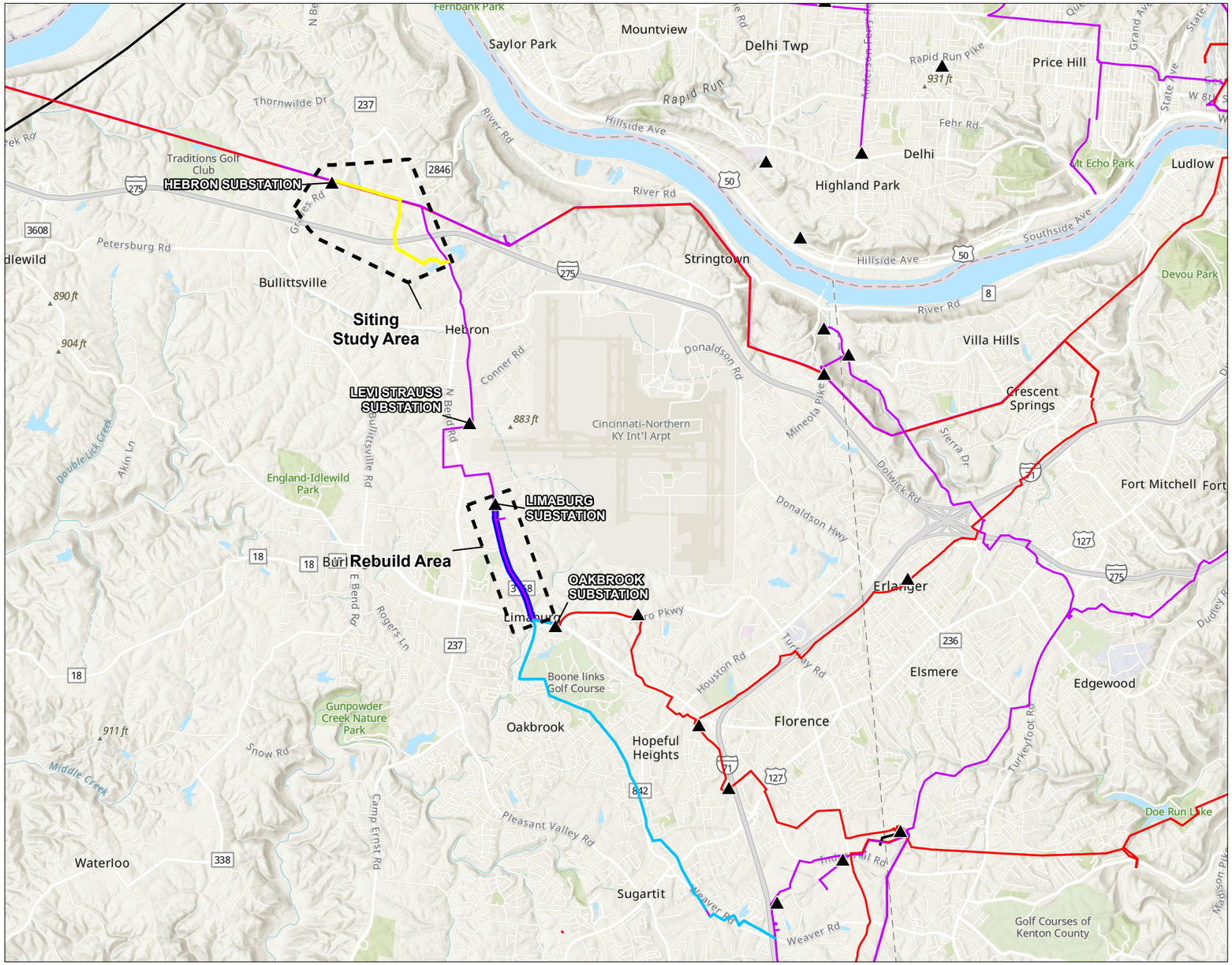


Figure No.
14

Title
Present System and Proposed Project Components

Client/Project
Duke Energy Kentucky
Hebron to Oakbrook 138 kV Transmission Line Project

193708666

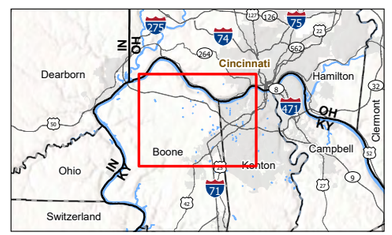
Project Location
Boone Co., Kentucky

Prepared by PM on 2022-08-23
TR by BT on 2021-11-09
IR by TR on 2022-09-08

N

0 3,000 6,000 Feet
(At original document size of 11x17)
1:72,000

Legend
- Study Area
- Duke-owned Existing Substation
- Duke-owned Existing 69 kV Transmission Line
- Duke-owned Existing 138 kV Transmission Line
- Duke-owned Existing 345 kV Transmission Line
- Preferred Route
- Rebuild Section
- Buffington 6763 Retirement



Notes
1. Coordinate System: NAD 1983 StatePlane Kentucky North FIPS 1601 Feet
2. Data Sources: Stantec, Duke, USGS, NADS, PennWell, OSM, EKPC
3. Background: Esri World Imagery

DUKE ENERGY®

Page 1 of 1

V:\193708666\03_data\gis_cad\gis\mxds\CPCN\193708666_Hebron to Oakbrook CPCN\193708666_Hebron to Oakbrook_CPCN.aprx Revised: 2022-11-10 By: pnielke

Exhibit 15

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

The Electronic Application of Duke Energy Kentucky, Inc. for a Certificate of Public Convenience and Necessity to Construct A 138 kV Transmission Line In Boone County (Hebron to Oakbrook Transmission Line Project	)	Case No. 2022-00364

DIRECT TESTIMONY OF

YANTHI W. BOUTWELL

ON BEHALF OF

DUKE ENERGY KENTUCKY, INC.

March 30, 2023

TABLE OF CONTENTS

PAGE

I. INTRODUCTION AND PURPOSE

Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.

A. My name is Yanthi W. Boutwell, and my business address is 139 East Fourth Street, Cincinnati, Ohio 45202.

Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?

I am employed by Duke Energy Business Services, LLC (DEBS) as General Manager of Midwest Transmission Resource & Project Management. DEBS provides various administrative and other services to Duke Energy Kentucky, Inc., (Duke Energy Kentucky or Company) and other affiliated companies of Duke Energy Corporation (Duke Energy).

Q. PLEASE BRIEFLY DESCRIBE YOUR EDUCATIONAL AND PROFESSIONAL BACKGROUNDS.

A. I hold a Bachelor of Science and a Master of Science in Electrical Engineering from the University of Alabama at Birmingham and a Master of Business Administration from Xavier University. I am a licensed Professional Engineer in the states of Ohio, Kentucky, Pennsylvania, and Alabama. I joined Duke Energy in 2001 and have held various leadership and engineering roles within Transmission Engineering. Prior to joining Duke Energy, I worked as an engineer for Alabama Power Company in Birmingham, Alabama and for Allegheny Power in Greensburg, Pennsylvania. I have design experience in transmission line, substation, Protection & Control, and substation standards. In May of 2019, I became Director of Transmission Resources & Project Management where I was responsible for providing strategic direction relative to project and resource management to the

Transmission Department. In November of 2019, I assumed my current role as General Manager of Transmission Resource & Project Management.

Q. PLEASE SUMMARIZE YOUR DUTIES AS GENERAL MANAGER OF MIDWEST RESOURCE & PROJECT MANAGEMENT.

A. As General Manager of Midwest Resource & Project Management, I am responsible for providing strategic direction relative to project and resource management to the Transmission Department as it relates to project development and execution, project portfolio management, and project controls. I am accountable for the Midwest portion of the overall Transmission project portfolio with large capital spending that equates to a portfolio of 100's of projects. I play a key role in providing oversight on the Duke Energy Midwest Transmission capital and Operation and Maintenance (O&M) budget. I serve as the department management point of contact with other departments and organizations, both internally and externally to the Company as it relates to Midwest Transmission projects.

Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE THE KENTUCKY PUBLIC SERVICE COMMISSION?

A. Yes. I previously provided testimony in support of the Company's Applications for Certificates of Public Convenience and Necessity in Case Nos. 2019-00251 and 2019-00361.

Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS PROCEEDING?

A. I am testifying in support of Duke Energy Kentucky's application for a certificate of public convenience and necessity (CPCN) to build the Hebron to Oakbrook Transmission Line Project (the Project). In doing so, I provide an overview of the Project, Project need, details on Project components, and details the Company's compliance with the notice requirements for this proceeding. Finally, I sponsor Confidential Exhibit 4 and Exhibits 6, 11, 12, 13, and 14 to the Company's Application.

II. OVERVIEW OF THE PROJECT AND SUMMARY OF NEED

Q. PLEASE BRIEFLY SUMMARIZE DUKE ENERGY KENTUCKY'S PROPOSAL IN THIS APPLICATION.

A. Duke Energy Kentucky is seeking authority to construct and operate a new single circuit 138-kilovolt (kV) transmission line. The proposed line connects the existing Duke Energy owned Hebron and Oakbrook Substations via a tie-in with a Duke Energy-owned 69 kV line between the Limaburg and Oakbrook Substations. As more fully explained by Company witness, John Hurd (see Exhibit 16 John K. Hurd Testimony), Duke Energy Kentucky is seeking authority to construct and operate a new single circuit 138 kilovolt (kV) capacity transmission line (circuit #6763). The new circuit will utilize portions of the existing #15268 circuit 69 kV transmission line and approximately 2.1 linear miles of proposed new transmission line. To accommodate the new circuit, the current three-terminal circuit at the Hebron Substation will be split into two two-terminal circuits. One terminal circuit (#6523)

will serve Hebron to Oakbrook and the other circuit (#15268) will serve Hebron to Constance. As part of the Project, approximately 1.5 miles of the existing circuit #15268 will be rebuilt in place to 138 kV capacity. Once the rebuild is complete, the new circuit (#6763) will connect the Hebron and Oakbrook Substations and the existing circuit (#15268) will connect the Hebron and Constance Substations. The new circuit will be energized to 69 kV initially with future plans to energize to 138 kV. The individual portions of the Project are described in Exhibit 16 (John K. Hurd Testimony). As a result of the new circuit, the portion of circuit #15268 that currently feeds the Oakbrook Substation will be retired. The retirement is discussed in further detail below.

Q. IN WHAT COUNTY IS THE PROJECT LOCATED?

A. The Project will be in Boone County, Kentucky.

Q. PLEASE DESCRIBE THE PATH OF THE PROPOSED NEW CIRCUIT #6763 138-kV TRANSMISSION LINE.

A. The Project location is shown in Exhibit 1. The proposed line begins at the Hebron Substation, located west of the industrial/commercial complex along Graves Road. The route exits the substation to the east, follows the existing transmission line corridor and then turns south along Worldwide Boulevard. The route then crosses Worldwide Boulevard and continues south to cross Interstate 275. Once across Interstate 275, the route turns east, bisecting a parcel before following a parcel line and then crossing Litton Lane. The route then follows Litton Lane and parcel boundaries east before it crosses Highway 237 to meet the existing transmission line where it travels south to the Oakbrook Substation completing circuit #6763.

Q. WHAT IS THE PURPOSE OF THE PROJECT AND WHY IS IT NECESSARY?

A. Duke Energy Kentucky is proposing to construct and operate a new single circuit 138 kV transmission line (circuit #6763). The new circuit includes construction of a new transmission line and rebuild of approximately 1.5 miles of the existing circuit. The purpose of the Project is to reinforce Duke Energy Kentucky's transmission system that supplies the Company's service area west and south of the Cincinnati/Northern Kentucky International Airport (CVG). Aero Substation is the source of supply to the Amazon Air Hub as well as other loads in the area west and south of CVG. Duke Energy Kentucky has recently completed several projects to supply the Aero Substation via a 138 kV line extension to Aero from the Woodspoint Substation. As part of this recent effort to reinforce the system, Aero Substation was connected at 138 kV to the Oakbrook Substation, where it was tied into the existing 69 kV system west of CVG via the installation of a 138-69 kV transformer. This configuration of connection between the Aero and Oakbrook substations enables the 138 kV source from Woodspoint through Aero to support the 69 kV system, and also provides a source to Aero in the event that the Woodspoint to Aero circuit experiences an interruption or is otherwise unavailable for service. The existing 69 kV system has limited capacity to support the loads supplied from Oakbrook and Aero if the Woodspoint to Aero 138 kV circuit is unavailable. Based on recent load growth trends, it appears that the current system will not be able to supply all Oakbrook and Aero loads by the summer of 2025. The 69 kV system also has limited capacity to support expected load growth in the

region to be supplied from the planned new Litton substation. The proposed new circuit #6763 will provide sufficient capacity such that load requirements of the area can be met without risk of overload. The upgraded system will have sufficient capacity to meet the projected requirements of the area for several years. Constructing the new line portions for future operation at 138 kV will facilitate increasing the capacity to the area when the area load exceeds the capacity that can be provided at 69 kV.

Q. WHEN IS THE PROPOSED IN-SERVICE DATE FOR THE PROJECT?

A. The proposed in-service date for the Project is December 31, 2025.

Q. COULD DUKE ENERGY KENTUCKY RELIABLY SERVE THE ANTICIPATED NEW LOAD IN THE AREA WITHOUT THE PROJECT?

A. No. The existing and planned electric infrastructure in the area would not reliably support the future load, including that of the Amazon Prime Air Hub facility. Without this Project, it is anticipated that a low-capacity section of an existing 69 kV circuit will be susceptible to overload during high-load and or other system conditions. This susceptibility will require placing the system in a radial configuration any time it is determined that the overload would occur for a reasonably foreseeable event. This will subject various substations and the customers supplied from them to interruption for events that would otherwise not result in interruption, or to longer interruption rather than brief interruption.

Q. COULD THE SERVICE TO BE FURNISHED BY THE PROJECT BE REASONABLY PROVIDED BY REBUILDING AN EXISTING TRANSMISSION LINE OR EXTENDING SERVICE FROM AN EXISTING SUBSTATION?

A. The low-capacity section of an existing 69 kV circuit is approximately 5 miles in length and is routed through a heavily developed residential area. Rebuilding this section to provide the needed capacity would have much greater impacts to the public than the proposed project. It would also not provide the same capacity benefits to the local system, nor the possibility to meet future needs via upgrade to 138 kV.

Q. WHY WILL THE NEW LINE SECTION BE CONSTRUCTED TO ALLOW FOR FUTURE CONVERSION TO 138 KV OPERATION?

A. The capacity needs of the area can reliably be met by operating the new facilities at 69 kV. Continued operation at 69 kV minimizes the amount of work required to supply the area load requirements for the foreseeable future. However, Duke Energy Kentucky anticipates that the load in this area has the potential to increase such that 69 kV supply will become inadequate at some point. The Company feels that it would be wasteful of resources and more impactful to the public to build the new facilities capable of operation at only 69 kV and then return in 5 or 10 years and have to essentially completely rebuild the same facilities to upgrade to operation at 138 kV.

III. PROJECT CONSTRUCTION

A. Transmission Line

Q. PLEASE DESCRIBE THE PROPOSED NEW TRANSMISSION LINE PORTION OF THE PROJECT IN MORE DETAIL.

A. Duke Energy Kentucky proposes to construct approximately 2-miles of new single circuit 138 kV transmission line in Boone County, Kentucky. The new line will connect the existing Hebron Substation with the Oakbrook Substation via a tie-in with a Duke Energy-owned 69 kV line along North Bend Road. The new electrical transmission line will have approximately 34 galvanized steel monopoles installed in private easements.

Q. PLEASE DESCRIBE THE AREA THE PROPOSED LINE WILL TRAVERSE.

A. The area of the proposed line is located in the City of Francisville, Kentucky, and the City of Hebron, Kentucky. The area is relatively hilly, with steep slopes (>20%) surrounding much of the existing infrastructure. It is characterized by mixed industrial and commercial development, interspersed by vacant wooded lots, and residential areas. Existing development includes the Boone County public library, suburban housing development, warehouse facilities, Hebron Fire Protection District Station 2, Children's House Hebron, medical facilities, storage facilities, restaurants, and other retail buildings. Major travel corridors include Interstate 275, State Route 237, and Graves Road. Buried utilities, including water, sanitary sewer, storm sewer, and gas lines are sited along most roadsides and under parking lots in the area. There is one stream, Sand Run, and minimal presence of wetlands and

other jurisdictional waters or water features. Woodlots are present in the northern portion of the area, along Sand Run, and throughout vacant lots in the southern portion of the area.

Q. PLEASE DESCRIBE THE PRINCIPAL TYPES OF STRUCTURES THAT WILL BE USED FOR THE PROPOSED TRANSMISSION LINE.

A. Structure types and numbers will be determined during final engineering, which includes ground survey and geotechnical studies, and will depend upon terrain crossed, spans, turning angles, and other engineering considerations. Based upon preliminary engineering, the Company anticipates approximately 26 foundation based galvanized steel poles and 50 direct embedded galvanized steel poles will be required for the project. It is anticipated that angle and dead-end structures will utilize either guy wires and anchors or foundations.

Q. WHAT ARE THE PROJECTED HEIGHTS OF THE STRUCTURES THAT WILL BE ERECTED AS PART OF THE PROJECT?

A. The structure heights will vary depending on placement, terrain, and clearance requirements. The transmission engineering design has the average height above ground at approximately 80 feet.

Q. PLEASE DESCRIBE THE TYPES OF CONDUCTORS THAT WILL BE USED FOR THE PROPOSED TRANSMISSION LINE.

A. The proposed structures will have one 138 kV transmission circuit supporting a total of three phase conductors and one overhead ground/shield wire. In addition, the design incorporates potential distribution under build to further enhance the

distribution system in some of the locations. The phase conductors will utilize 954 kcmil aluminum conductor steel-reinforced (ACSR) conductor.

Q. WHAT IS THE STATUS OF THE ENGINEERING AND DESIGN WORK FOR THE HEBRON TO OAKBROOK 138-kV TRANSMISSION LINE?

A. Engineering and design work are ongoing and will be finalized once surveying and property rights are obtained. Duke Energy Kentucky has hired a contractor to perform surveys on underground utilities based on the commercial area. Structures may require minor field changes to accommodate any additional identified utility during construction.

Q. WHAT IS THE WIDTH OF THE RIGHT-OF-WAY FOR THE PROPOSED LINE?

A. Where the proposed transmission line is cross country, the standard right-of-way for new lines is 100 feet. Where the proposed transmission line parallels an existing road right-of-way, the right-of-way guidelines for new lines is 70 feet.

Q. WILL THE PROPOSED LINE'S RIGHT-OF-WAY EXCEED 100 FEET IN SOME CIRCUMSTANCES?

A. No. It is not anticipated that a greater right-of-way width will be needed.

Q. WHAT RIGHT-OF-WAY ACTIVITIES HAS DUKE ENERGY KENTUCKY UNDERTAKEN TO DATE?

A. Letters announcing the preferred route have been sent to property owners within 125 feet of the selected route notifying them of the placement of the line within or near their property. This letter included the 10-day notification in compliance with KRS 416.560(4) which has allowed engineering, testing, and surveying to proceed

with site visits to gather additional details to continue the design of the route. A bid event is in progress for selecting a land acquisition vendor to start contacting property owners in early 2023.

Q. DUKE ENERGY KENTUCKY FILED MAPS ILLUSTRATING THE CENTERLINE OF THE PROPOSED TRANSMISSION LINE AS EXHIBIT 8 TO ITS APPLICATION. COULD THAT CENTERLINE CHANGE?

A. Yes. However, no change is anticipated at the time of filing, but discussions with property owners during the easement acquisition process could result in the adjustment of the centerline. Duke Energy Kentucky will work with property owners to minimize impacts and accommodate preferences to the extent practical. Underground utilities could shift the centerline slightly during final engineering and construction. The proposed centerline of the right-of-way for the new portion of the transmission line is shown on Exhibit 8. The centerline for the rebuild portion of the Project will likely not change, see Exhibit 10. Duke Energy Kentucky seeks authority to place the centerline and associated right-of-way in the filing corridor if required based on field conditions encountered.

Q. WHAT IS THE WIDTH OF THE FILING CORRIDOR?

A. The width of the Filing Corridor is 200 feet. This corridor would allow for 50 feet on either side of the proposed right-of-way to account for adjustments required during finalized negotiations with landowners and access needs. This does not include construction access if alternative access is required.

B. Construction

Q. WHEN DOES DUKE ENERGY KENTUCKY PROPOSE TO BUILD THE TRANSMISSION LINE IF THE CERTIFICATE IS GRANTED?

A. Construction on the line would begin in Fall of 2024 pending easement acquisition. The line is scheduled to be energized by end of 2025 and restoration of these construction areas will continue into spring of 2026. Retirement of the current 69kV structures will occur throughout 2026.

Q. WILL THE COMPANY NEED TO OBTAIN ANY PERMITS FOR CONSTRUCTION OF THE PROJECT?

A. Yes. There are several permits that Duke Energy Kentucky has or is in the process of obtaining. Duke Energy Kentucky witness John K. Hurd fully describes the required permits in his Direct Testimony (Exhibit 16).

Duke Energy Kentucky has active electric franchises in many of the communities that will be affected by the electric transmission line construction. It is my understanding that those franchises are filed with the Commission. To the extent any of these local communities require additional construction permitting, the Company will follow those local rules and work with the communities to obtain any and all necessary permits prior to beginning actual construction.

Q. PLEASE BRIEFLY DESCRIBE HOW THE COMPANY WILL EXECUTE AND COMPLETE CONSTRUCTION UNDER THE PROJECT.

A. Duke Energy Kentucky will use both Company and contractor crews where appropriate to complete this Project. If contractor crews are deployed, awarding of contracts will be accomplished through Company contractors that have

successfully accomplished work in prior construction projects. Duke Energy Kentucky will use industry standard equipment, materials, and designs to construct the Project in accordance with the work specifications.

Q. IS DUKE ENERGY KENTUCKY SEEKING DISCRETION TO LOCATE THE TRANSMISSION LINE AND RIGHT-OF-WAY WITHIN THE PROPOSED FILING CORRIDOR?

A. Duke Energy Kentucky is seeking authority to move the electric transmission line and associated right-of-way only within the indicated Filing Corridor.

Q. WILL THE COMMISSION BE INFORMED OF THE FINAL LOCATION OF THE LINE AND THE ADJACENT RIGHTS-OF-WAY?

A. Yes. Duke Energy Kentucky will file with the Commission a revised plan showing the location of the proposed line and structures upon the completion of construction.

Q. PLEASE DESCRIBE THE CONSTRUCTION OF THE TRANSMISSION LINE.

A. Construction of the transmission line will start with installation of erosion and sediment controls followed by tree clearing and vegetation removal along the proposed right-of-way. Once the site is cleared, access roads will be installed as needed. Since the proposed route is along established roads and near stable surfaces these may be utilized, and public roads could be used. A drill rig will set up at each location to dig the hole for each structure. Some structures will be directed embedded, and others will have concrete foundations requiring concrete trucks come to the site to pour concrete into the hole and cure prior to the structure being erected. Structures are then erected with cross arms and pullies installed. After all

structures are set, pull ropes will be strung through each pulley for conductors to be strung. Once conductor is pulled in insulators will be installed with the conductor clipped in. After the line is energized and work is complete, the site will be restored.

Q. WILL ANY EQUIPMENT OR INFRASTRUCTURE BE RETIRED AS PART OF THE PROJECT?

A. Yes. As a result of the new circuit, the portion of existing circuit #6763 that currently feeds the Oakbrook Substation will be retired. Approximately 6 miles of this circuit will be retired from the Oakbrook Substation along KY 18 south towards I-71/75 along Weaver Road. The transmission conductor and insulators will be removed, and the poles will be cut to allow the distribution circuits on the poles to remain. Figure 14 depicts the retirement of circuit #6763.

IV. FILING COMPLIANCE

Q. DID DUKE ENERGY KENTUCKY COMPLY WITH THE REQUIREMENTS OF 807 KAR 5:120, SECTION 2(3) BY PROVIDING NOTICE TO ADJOINING LANDOWNERS WHOSE PROPERTY MIGHT BE AFFECTED BY THE PROJECT?

A. Yes. Duke Energy Kentucky mailed notices to the owners of record for all parcels within the proposed right-of-way and the filing corridor.

Q. WHEN WAS THE LANDOWNER NOTICE MAILED?

A. The landowner notification was mailed on November 11, 2022. The list of landowners within the proposed right-of-way and filing corridor to whom the notice was mailed is attached to the application in Exhibit 12. The required verification of mailing is attached to the application in Exhibit 11.

Q. DID THE NOTICE CONTAIN THE INFORMATION REQUIRED BY 807 KAR 5:120, SECTION 2(3)(A)-(E)?

A. Yes. The form of the notice is attached to the application as Exhibit 12.

Q. DID DUKE ENERGY KENTUCKY PUBLISH THE REQUIRED NOTICE IN THE NEWSPAPER OF RECORD?

A. Yes. A copy of the notice and publication affidavit is provided as Exhibit 13.

V. FINANCIAL ASPECTS OF THE PROJECT

Q. WHAT IS THE PROJECTED COST OF THE PROJECT?

A. The overall Project is estimated to cost approximately $34 million. That sum comprises the construction of the overhead line, including right-of-way acquisition and the retirement of a portion of existing circuit #6763. Costs are summarized in Exhibit 6.

Q. DOES THE $34 MILLION COST ESTIMATE DESCRIBED ABOVE AND SET OUT IN THE APPLICATION REPRESENT A FIXED AND FINAL COST?

A. No. The $34 million provided in Exhibit 6 is based on a Class 4 estimate that represents plus 50 percent and minus 30 percent. This estimate will be further refined once engineering is finalized and prior to start of construction. The final cost for the Project will not be known until all work is complete and the right-of-way is restored.

Q. WHAT IS THE PROJECTED COST OF OPERATION FOR THE PROPOSED FACILITIES AFTER THEY ARE COMPLETED?

A. Duke Energy Kentucky projects the annual operating cost will be on average approximately $10,000 for general maintenance and inspection.

VI. REVIEW OF THE PROJECT AND STAKEHOLDER INPUT

Q. IS THE PROJECT DENOMINATED BASELINE OR SUPPLEMENTAL PJM INTERCONNECTION LLC?

A. This will be considered a Supplemental Project. PJM Supplemental Project Number s1782.1.

Q. PLEASE EXPLAIN WHAT BEING A SUPPLEMENTAL PJM PROJECT MEANS.

A. Supplemental projects are expansions of the system that do not address reliability criteria, but other needs. This need includes items like equipment condition, performance and risk, operational flexibility and efficiency, infrastructure resilience, and customer service. The driver for this Project is customer service and being able to meet a customer's schedule for when it will need electric service.

Q. IS DUKE ENERGY KENTUCKY RELYING ON THE PJM REVIEW OF THE PROJECT TO DEMONSTRATE THE NEED FOR THE PROJECT?

A. No. As a supplemental project, the project is justified by Duke Energy Kentucky to meet internal criteria, in this case provision of service to retail customers. PJM performed a "do-no-harm" analysis to determine if the proposed project could necessitate any other system projects or modifications and none were found which were not already anticipated by Duke Energy Kentucky.

Q. HAVE RELEVANT STAKEHOLDERS BEEN AFFORDED AN OPPORTUNITY TO PROVIDE INPUT REGARDING THE PROPOSED TRANSMISSION LINE ROUTE?

A. Yes. Duke Energy Kentucky has consulted with stakeholders using formal correspondence with regulatory agencies, in person meetings with local officials, two virtual open houses for landowners and other members of the community, and an online mapping, toll-free hotline, and comment website.

VII. CONCLUSION

Q. WERE EXHIBITS 4, 6, 11, 12, 13, AND 14 PREPARED UNDER YOUR DIRECTION AND CONTROL?

A. Yes.

Q. PLEASE EXPLAIN CONFIDENTIAL EXHIBIT 4.

A. Confidential Exhibit 4 are Duke Energy in the Midwest (Duke Energy Indiana, Duke Energy Kentucky, and Duke Energy Ohio) standard structure details for 138-kV electrical structures. Final engineering would use a combination of these standard structures to construct the line.

Q. PLEASE EXPLAIN EXHIBIT 6.

A. Exhibit 6 includes the breakdown of the estimated projects costs.

Q. PLEASE EXPLAIN EXHIBIT 11.

A. Exhibit 11 includes a verified statement that, according to county property valuation administrator records, each property owner over whose property the transmission line right-of-way is proposed to cross has been sent by first-class mail, addressed to the property owner at the owner's address as indicated by the county

property valuation administrator records, or hand delivered, a letter notifying them of the proposed transmission line, where to obtain more information, and their rights to submit written comments, requests for intervention, and/or a public hearing.

Q. PLEASE EXPLAIN EXHIBIT 12.

A. Exhibit 12 includes a sample copy of the notice provided to a property owner and a list of the names and addresses of the property owners to whom the notice has been sent.

Q. PLEASE EXPLAIN EXHIBIT 13.

A. Exhibit 13 includes a copy of the notice of the intent to construct the proposed transmission line that has been published in a newspaper of general circulation in the county or counties in which the construction is proposed.

Q. PLEASE EXPLAIN EXHIBIT 14.

A. Exhibit 14 shows the current transmission components in the area as well as the Project components on an aerial map. This exhibit shows where the Project is located in association with other existing Duke Energy transmission lines.

Q. DOES THIS CONCLUDE YOUR PRE-FILED DIRECT TESTIMONY?

A. Yes.

VERIFICATION

STATE OF OHIO)
) **SS:**
COUNTY OF HAMILTON)

The undersigned, Yanthi W. Boutwell, General Manager Transmission Resource & Project Management, being duly sworn, deposes and says that she has personal knowledge of the matters set forth in the foregoing testimony and that it is true and correct to the best of her knowledge, information and belief.

Yanthi W. Boutwell

Yanthi W. Boutwell Affiant

Subscribed and sworn to before me by Yanthi W. Boutwell on this 22nd day of March, 2023.

NOTARY PUBLIC

My Commission Expires: July 8, 2027

EMILIE SUNDERMAN
Notary Public
State of Ohio
My Comm. Expires
July 8, 2027

Exhibit 16

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

The Electronic Application of Duke Energy Kentucky, Inc. for a Certificate of Public Convenience and Necessity to Construct A 138 kV Transmission Line In Boone County (Hebron to Oakbrook Transmission Line Project)	)))))	Case No. 2022-00364

DIRECT TESTIMONY OF

JOHN K. HURD

ON BEHALF OF

DUKE ENERGY KENTUCKY, INC.

March 30, 2023

TABLE OF CONTENTS

PAGE

I. INTRODUCTION AND PURPOSE

Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.

A. My name is John K. Hurd, and my business address is 139 East Fourth Street, Cincinnati, Ohio 45202.

Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?

A. I am employed by Duke Energy Business Services, LLC (DEBS) as the Director of Stakeholder Engagement. DEBS provides various administrative and other services to Duke Energy Kentucky, Inc., (Duke Energy Kentucky or Company) and other affiliated companies of Duke Energy Corporation (Duke Energy).

Q. PLEASE BRIEFLY DESCRIBE YOUR EDUCATIONAL BACKGROUND AND BUSINESS EXPERIENCE.

A. I received a Bachelor of Science degree in Physical Geography in 2004 and a Master's degree in Geography in 2007 from the University of Cincinnati. I received a certificate in Geographic Information Systems (GIS) from the University of Cincinnati in 2006. In 2014 I was certified as a Geographic Information Systems Professional (GISP) from the GIS Certificate Institute (GISCI). I began my professional career at URS Corporation as a GIS analyst supporting the siting and permitting of electric and gas utility projects. In 2007, I become a project manager at URS Corporation leading the siting and permitting of transmission line and substation projects. In 2012, I joined CH2M Hill as a project manager for siting and permitting transmission line and substations and in 2013 became a GIS manager. I joined Duke Energy as a Transmission Siting Specialist in 2018 and was promoted to a Lead Transmission Siting Manager in 2019. In 2023 I was promoted to the

Director of Stakeholder Engagement for Ohio and Kentucky.

Q. PLEASE SUMMARIZE YOUR DUTIES AS DIRECTOR OF STAKEHOLDER ENGAGEMENT.

A. I am responsible for leading the team of engagement managers for Ohio and Kentucky. In my Lead Transmission Siting Manager position I was responsible for leading the siting and routing studies needed for new or relocated substations and transmission lines in Duke Energy's Midwest Territory, which includes Kentucky, Ohio, and Indiana.

Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE THE KENTUCKY PUBLIC SERVICE COMMISSION?

A. Yes. I recently provided testimony in support of the Company's Applications in Case No. 2019-00251 and No. 2019-00361.

Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS PROCEEDING?

A. I am testifying in support of Duke Energy Kentucky's application for a certificate of public convenience and necessity (CPCN) to build the Hebron to Oakbrook Transmission Line Project (the Project). In doing so, I describe the methodology used by Duke Energy Kentucky in conducting the siting study that was used to identify and evaluate the various transmission line route alternatives. I describe the results and conclusions of the siting study as well as the basis for the recommended proposed route. Finally, I sponsor Exhibits 1, 2, 3,7, 8, 9, and 10 to the Company's Application, which I describe below.

II. THE SITING STUDY

A. OVERVIEW

Q. PLEASE PROVIDE A BRIEF SUMMARY OF THE PROJECT AND ITS PURPOSE.

A. Duke Energy Kentucky is seeking authority to construct and operate a new single circuit 138 kilovolt (kV) transmission line (circuit #6763; the Project). The new circuit will utilize portions of the existing #15268 circuit 69 kV transmission line and approximately 2.1 linear miles of proposed new transmission line. To accommodate the new circuit, the current three-terminal circuit at the Hebron Substation will be split into two two-terminal circuits. One terminal circuit (#6523) will connect the Hebron Substation to the Oakbrook Substation and the other circuit (#15268) will connect the Hebron Substation to the Constance Substation. The proposed new transmission line will connect the Company's existing Hebron Substation to the existing #15268 circuit creating circuit #6763. After the connection of the new transmission line, new circuit #6763 will follow the existing #15268 circuit to the existing Oakbrook Substation (Exhibit 1). As part of the Project, approximately 1.5 miles of the existing circuit #15268 will be rebuilt in place to 138 kV capacity. Once the rebuild is complete, the new circuit (#6763) will connect the Hebron and Oakbrook Substations and the existing circuit (#15268) will connect the Hebron and Constance Substations. The new circuit will be energized to 69 kV initially with future plans to energize to 138 kV. The individual portions of the Project are described in more detail below.

As a result of the new #6763 circuit, a portion of circuit #15268 will be retired (Exhibit 14). The retirement is discussed in further detail in Exhibit 15 (Yanthi W. Boutwell Testimony).

As more fully explained by Ms. Boutwell, the purpose of the Project is to address expected load growth and reliability concerns within Boone County. This Project will add capacity for future growth in the region, increase reliability by providing alternatives for operations during planned or unexpected outages, allow flexibility for providing critical energy, and help maintain a robust system for supplying and delivering electric service. Future plans to account for expected load growth include energizing the new line to 138 kV. The Project location is shown in Exhibit 1.

Q. PLEASE PROVIDE A BRIEF SUMMARY OF THE REBUILD PORTION OF THE PROJECT.

A. The Project proposes to rebuild approximately 1.5 miles of Duke Energy Kentucky owned circuit #15268 in place from the Limaburg Substation south along Limaburg Road in Hebron to Burlington Pike in Burlington (structure HL800). The rebuild will be designed to 138 kV standards but will initially be energized to 69 kV, like the remainder of the new circuit. The rebuild will consist of retiring approximately 29 wood poles and 12 light duty steel poles and installing 38 light duty steel poles with distribution under build. The rebuild portion of the Project is shown in Exhibit 3.

Q. WHAT IS THE PURPOSE OF THE REBUILD PORTION OF THE PROJECT

A. The rebuild portion of the Project is required to meet capacity needs and is part of a larger Duke Energy Kentucky reliability project. This section of the existing #15268 circuit will have the conductor replaced to increase the capacity. The portion that is being replaced is currently built to 69 kV standards; however, because future plans to accommodate expected growth include energizing the new #6763 circuit to 138 kV.

Q. WHAT IS THE PURPOSE OF A SITING STUDY?

A. The purpose of a siting study is to select a preferred route for the new electrical transmission facility that minimizes impacts to the natural and built environment while also optimizing Duke Energy Kentucky's business needs. The siting study methodology can vary depending on the nature of the project and study area (Siting Study Area).

Q. PLEASE DESCRIBE HOW THE SITING STUDY WAS CREATED.

A. The first step in the siting study was for the siting team to establish a Siting Study Area for the vicinity of load needs with input from planning on system reliability and to create siting guidelines that served to direct the decision-making process. For this Project, it was determined the Siting Study Area would be a 1.6-square mile area surrounding the existing Hebron Substation, the Graves Road and Interstate 275 interchange, and the Highway 237/North Bend Road and Interstate 275 interchange. The Siting Study Area is shown in Exhibit 2 in the Application. A broad array of data was then compiled to help the siting team identify opportunities

and constraints for siting the new transmission line. Opportunities and constraints included information on ecology, engineering, land use, and cultural resources in the Siting Study Area. Members of the siting team then created a segment network that could later be combined into route alternatives that minimized impacts to siting constraints and took advantage of siting opportunities. This segment network was viewed in the field from public vantage points and opportunities and constraints data were verified at this time to the extent possible. The segment network was then reviewed by the full siting team, updated as necessary, and presented to the public in virtual open houses on March 7, 2022, and March 8, 2022. During the open houses, and for the following 30-day comment period, the siting team received comments from the public. The siting team used this data collection process to create 29 route alternatives for analysis. The analysis consisted of applying weights to criteria considered important to siting electrical transmission lines in this area, normalizing the output, and combining the values to establish a single composite score for each route. Following the analysis, the routes were ranked and reviewed along with qualitative criteria, including public feedback and stakeholder correspondence, to determine the preferred route. Each step in this process is further described in the accompanying Transmission Line Route Selection Study is included in Exhibit 7.

Q. PLEASE DESCRIBE HOW THE SITING STUDY WAS CREATED?

A. I led the siting study, but the siting team was multidisciplinary, consisting of members from Duke Energy Kentucky and Stantec Consulting Services Inc. (Stantec) experienced in transmission line siting, planning, engineering,

construction, permitting, public engagement, project management, real estate, and government and community relations.

Q. WHAT ENTITIES PARTICIPATED IN THE CREATION AND DATA COLLECTION FOR THE SITING STUDY?

A. Duke Energy Kentucky and Stantec.

B. NEW 138 KV TRANSMISSION LINE

Q. WHAT METHODOLOGY WAS USED TO EVALUATE TRANSMISSION ROUTES IN THE SITING STUDY?

A. Duke Energy Kentucky used its standard methodology which includes a quantitative and qualitative evaluations.

Q. WHERE IS THE METHODOLOGY EXPLAINED IN THE SITING STUDY?

A. The methodology is explained in Section 2.0 Route Selection Methodology of the Transmission Line Route Selection Study included in Exhibit 7.

Q. WHY DID YOU USE THIS METHODOLOGY?

A. The siting methodology that Duke Energy Kentucky utilized on this Project was able to quickly identify all feasible potential route alternatives. Since the Project end points were less than two (2) miles apart and there is considerable development in the Siting Study Area, Duke Energy Kentucky was able to reasonably identify all feasible route alternatives.

Other methodologies were considered, such as Kentucky EPRI methodology. Both the Duke Energy Kentucky and the Kentucky EPRI methodologies utilize Geographic Information Systems (GIS) and incorporate a

broad array of criteria that represent the built environment, natural environment, and engineering considerations. Both rely on input from a multi-disciplinary group of subject matter experts. Both aim to identify existing linear features to follow as well as identify cross country alternatives and both methodologies utilize a quantitative approach to compare route alternatives.

One of the differences between the two methodologies is the Kentucky EPRI Methodology utilizes a raster-based GIS process to identify the study area and alternative corridors and for this project the Duke Energy Kentucky siting team identified the study area and route alternatives directly. The EPRI methodology uses a stakeholder group to identify weights while the Duke Energy Kentucky methodology uses direct feedback on the Project, as well as many years of public feedback on similar projects combined with the siting team's subject matter expertise to establish the criteria and weighting. The benefits of the Macro and Alternative Corridor steps in the Kentucky EPRI Methodology are realized on longer transmission lines where defining the study area and identifying alternative corridors are more time consuming and complicated.

Q. PLEASE EXPLAIN THE GENERAL STEPS OF THE SITING METHODOLOGY USED IN THE SITING STUDY.

A. In general, the siting study methodology consisted of six (6) steps:

1) Establish Siting Study Area and siting guidelines;

2) Compile data and map constraints;

3) Identify a segment network;

4) Solicit public comments;

5) Create and analyze route alternatives; and

6) Select a preferred route.

Q. PLEASE DESCRIBE IN MORE DETAIL THE FIRST STEP USED BY THE SITING TEAM.

A. Duke Energy Kentucky's transmission planning group identified that the three-terminal circuit at the Hebron Substation could be split into two, two-terminal circuits and allow for separate circuits to provide power from the Hebron Substation to the Oakbrook Substation and from the Hebron Substation to the Constance Substation. It was established that this would be possible by constructing a new transmission line that would connect into the existing circuit #15268 69 kV transmission line.

The siting team then began by establishing a Study Area that would provide the opportunity to identify unique route alternatives for the new transmission line (the portion from the Hebron Substation to the tie-in point along the existing 15268 line). The siting team then met to create siting guidelines that would steer the decision-making process for the Project. The Siting Study Area is shown on the map in Exhibit 2.

Q. PLEASE DESCRIBE THE TOPOGRAPHY AND LAND USE FOUND IN THE SITING STUDY AREA.

A. Approximately two thirds of the 1.6-square mile Siting Study Area is located in the City of Francisville, Kentucky, with the remainder located in the City of Hebron, Kentucky. The Siting Study Area is relatively hilly, with steep slopes (>20%) surrounding much of the existing infrastructure. The Siting Study Area is

characterized by mixed industrial and commercial development, interspersed by vacant wooded lots, and residential areas. Existing development includes the Boone County public library, suburban housing development, warehouse facilities, Hebron Fire Protection District Station 2, Children's House Hebron, medical facilities, storage facilities, restaurants, and other retail buildings. Major travel corridors include Interstate 275, State Route 237, and Graves Road. Buried utilities, including water, sanitary sewer, storm sewer, and gas lines are sited along most roadsides and under parking lots in the Siting Study Area. United States Fish and Wildlife Service National Wetland Inventory (USFWS, NWI) data indicates the presence of one stream, Sand Run, and minimal presence of wetlands and other jurisdictional waters or water features. Woodlots are present in the northern portion of the Siting Study Area, along Sand Run, and throughout vacant lots in the southern portion of the Siting Study Area.

Q. PLEASE DESCRIBE THE SECOND STEP IN THE SITING METHODOLOGY IN MORE DETAIL.

A. Data collection was the second step in the siting methodology. This included a review of the constraint maps and data collection in the field.

Q. PLEASE DESCRIBE THE DATA COLLECTION PROCESS AND CONSTRAINTS MAPPING.

A. Members of the siting team collected data on the natural and built environment for the Siting Study Area from public data sets, agency correspondence, review of aerial photography, and historic maps. Data were compiled in a project GIS. The GIS was then used to produce maps that depicted the ecology, engineering, land

use and cultural resource features in the Siting Study Area. The siting lead and members of the analysis team conducted field reconnaissance of the Siting Study Area on multiple occasions from public vantage points to ground truth constraints and opportunities identified during the data collection process.

Q. PLEASE DESCRIBE THE THIRD STEP IN THE SITING METHODOLOGY IN MORE DETAIL.

A. The third step in the siting methodology was to identify siting corridors that minimized impacts to the built and natural environment. The siting team then used these corridors and field review of the Siting Study Area to create a segment network that contained 27 feasible study segments. The siting team held several internal meetings with a multi-disciplinary team of subject matter experts to review and refine the study segments. A detailed field reconnaissance was then conducted to verify adjacent buildings, natural features, and types of data that would later be used in analysis.

Q. PLEASE DESCRIBE THE FOURTH STEP IN THE SITING METHODOLOGY IN GREATER DETAIL.

A. The fourth step in the siting methodology was to solicit comments from members of the local community. The siting team then sent an invitation to landowners within 500 feet of a study segments to attend an informational open house. Two virtual open houses were held on March 7 and March 8, 2022, and were staffed by experts in transmission planning, permitting, GIS, siting, engineering, and real estate. The open houses were designed to solicit comments and to give participants a broad overview of the purpose and need for the Project, what the Project elements

are proposed to look like, the study segments under consideration, and the proposed schedule for construction. Attendees were provided access to interactive mapping to provide comments tied to specific parcels. The open house also initiated a 30-day comment period during which community members could provide comment by phone, email, or through an online interactive map for the Project.

Q. PLEASE DESCRIBE THE FIFTH STEP IN THE SITING METHODOLOGY IN GREATER DETAIL.

A. The fifth step in the siting methodology was to combine the study segments into 29 unique routes for analysis. Criteria were weighted based on sensitivity to electrical transmission line siting and compiled into a single composite score for each route. Additional qualitative data were also evaluated such as existing and proposed developments and comments from the public.

Q. PLEASE DESCRIBE THE SIXTH AND FINAL STEP IN THE SITING METHODOLOGY IN GREATER DETAIL.

A. The sixth step in the siting methodology was to select a preferred route. After the analysis was completed, the siting team held multiple internal, multi-disciplinary meeting to review the analysis, discuss qualitative factors not included in the analysis framework, and select a preferred route. The objective of the meeting was to identify the least impactful route that also met the project need including the need for ongoing maintenance and safe operations. The review included both quantitative and qualitative aspects of each route.

Q. WAS THE ENTIRE STUDY AREA AVAILABLE IN CREATING THE ROUTES?

A. Yes.

Q. WHAT OUTREACH WAS PERFORMED DURING THE SITING PROCESS?

A. Stakeholders were consulted using formal and informal correspondence with regulatory agencies, a public open house for landowners and other members of the community, and an online mapping, toll-free hotline, and comment website. Additionally, based on public comments received, Duke Energy Kentucky conducted further outreach with affected landowners, including Kentucky Transportation Cabinet (KYTC), as necessary.

Q. WERE LANDOWNERS CONTACTED THROUGHOUT THE SITING PROCESS?

A. Yes. Duke Energy Kentucky sent out a public engagement letter to individuals with property within 500 feet of the route alternatives and requested input on the Project during a 30-day comment period that began on March 7, 2022.

Q. ARE THERE OTHER MEANS BY WHICH PUBLIC OFFICIALS AND THE GENERAL PUBLIC MAY LEARN MORE ABOUT THE PROJECT AND PROVIDE INPUT?

A. Yes. More Project information is available on the Project website (www.duke-energy.com/Hebron). On the website there is a toll-free phone number and email address where officials or the public may ask questions and provide input.

Q. WAS STAKEHOLDER AND LANDOWNER INPUT TAKEN INTO CONSIDERATION DURING THE ROUTE SELECTION STUDY?

A. Yes. The siting team worked with affected landowners to review study segments and identify issues and alleviate concerns as feasible. Landowner input was considered as part of the preferred route identification. Based on public comments received regarding planned development in the Siting Study Area, Duke Energy Kentucky reached out to and held meetings with affected landowners. One affected landowner informed Duke Energy Kentucky that they were actively constructing new facilities and finalizing plans for further expansion on two parcels along Litton Lane. At the time of the meeting there was active construction on the southern parcel (impacting Segment 20) with plans to develop the eastern parcel (impacting Segment 22) (Exhibit 9). A site visit confirmed the parcel adjacent to Segment 22 was under construction. Based on a review of ongoing construction and conceptual site plans provided by the property owner, it was determined that Duke Energy Kentucky would be unable to place their transmission line on their property without significantly impacting business operations and occupied buildings. As a result, Duke Energy Kentucky did not identify any routes which utilized Segments 20 and/or 22 as the preferred route.

Discussions with property owners during easement acquisition process could result in the adjustment of the centerline and Duke Energy Kentucky will continue to work with property owners to address concerns as feasible.

III. RESULTS OF THE STUDY

Q. YOU PREVIOUSLY INDICATED THAT TWENTY-NINE ALTERNATIVE ROUTES WERE DEVELOPED. PLEASE GENERALLY DESCRIBE THOSE ROUTES.

A. Generally speaking, routes exited the Hebron substation to the east, utilized various routes through the industrial/commercial complex before either continuing east to tie into the existing line north of Interstate 275 and utilize the existing crossing within the clover leaf or turning south to cross Interstate 275 at a new crossing west of the clover leaf. The routes that crossed Interstate 275 west of the clover leaf turned east to tie-in to the existing line at two different tap points. No routes were created that exit the Hebron Substation to the south and then parallel Interstate 275 through the Siting Study Area because during the route evaluation process additional information about proposed development was discovered that impacted the route selection process. Eastern Kentucky Power Cooperative (EKPC) publicly announced in May that they had selected a route for a new 69 kV transmission line within the Study Area. In discussions with Duke Energy Kentucky, EKPC indicated that they have started engineering and plan to begin acquiring easements for the new 69 kV transmission line in fall 2022. The proposed EKPC centerline exits the Hebron Substation to the south after which it parallels Interstate 275 through the Siting Study Area (see Figure A-3 in Exhibit 7). This information required the removal of study segments 11, 16, 17, 18 from further consideration because there was not sufficient room to build both the EKPC line and this proposed transmission line along those segments. This reduced the potential route alternatives from 43 to

29. The remaining 29 route alternatives were all considered feasible and were evaluated for selection as the preferred route.

After the 29 route alternatives were determined, additional information about proposed development was discovered that impacted the route selection process. It was discovered that an affected property owner started construction along segments 20 and 22 and has plans for more development on those properties that conflicts with the construction of the proposed transmission line. Therefore, based on the qualitative and quantitative review, route alternatives that utilized segments 20, and 22 were not chosen as the preferred route.

Route L was selected as the preferred route. Route L begins at the Hebron Substation, located west of the industrial/commercial complex along Graves Road. Route L exits the substation to the east, follows the existing transmission line corridor and then turns south along Worldwide Boulevard. The route then crosses Worldwide Boulevard and continues south to cross Interstate 275. Once across Interstate 275, Route L turns east, bisecting a parcel before following a parcel line and then crossing Litton Lane. The route then follows Litton Lane and parcel boundaries east before it crosses Highway 237 to tie-in to the existing transmission line.

Q. WHY WAS THE PREFERRED ROUTE SELECTED?

A. Based on the comprehensive quantitative and qualitative evaluation, Route L was selected as the preferred route. This route is approximately 2.1 miles in length. While Route L scored 12th out of 29 potential routes, there were numerous qualitative factors that resulted in it being selected as the preferred route. It was

determined that routes that utilized segments 25 and 26 along North Bend Road north of Interstate 275 would require crossing over the proposed EKPC line along North Bend Road (see Figure A-3 in Exhibit 7). The crossing of the EKPC line in this area would require potential pole heights of 150 to 160' which is near the Federal Aviation Administration (FAA) height threshold for Cincinnati/Northern Kentucky International Airport (CVG). The area around segment 12 is very congested with existing utilities and commercial business. It is possible that segment 12 would require engineered poles that could significantly impact the gas station on the east side of North Bend Road (see Figure A6 in Exhibit 7). Routes that utilized segment 19 were identified as beneficial. Segment 19 allows Duke Energy Kentucky to relocate the existing transmission line within KYTC road right of way (ROW) and construct the new line without any new structures within KYTC ROW. Segments 21 and 24 were selected south of Interstate 275 to avoid impacting planned development. The team selected segments 2, 5, 7, 13, and 14, over segments 3 and 10 to utilize the existing transmission corridor and reduce impacts to commercial buildings and existing infrastructure along Worldwide Boulevard.

Q. DID ANY AFFECTED LANDOWNERS EXPRESS OPPOSITION TO THE ROUTES CONSIDERED OR SELECTED?

A. Yes. Three of the route segments (20, 21, and 22) were of concern to property owners (see Exhibit 9). One landowner was concerned with route segment 21 bisecting their property and affecting potential planning for future site expansion and their property values. Another landowner was concerned with route segments 20 and 22 affecting current and planned construction. The siting team took the

concerns into account during the siting process and worked to avoid impacts to concerned landowners. However, design need dictated the need to use the southern routes that would have potential to impact the concerned property owners. Duke Energy met with the property owner that was under active construction to learn more about their current and future development plans and, based on those meetings, determined that a route on their property (utilizing route segments 20 and/or 22) was not feasible without directly impacting their development. Therefore, a preferred route using Segment 21 was required. Through the easement acquisition process, Duke Energy Kentucky will continue to work with the property owners to further reduce the impact if feasible.

Q. WERE ANY ALIGNMENT SHIFTS REQUIRED FOR THE ALTERNATIVE ROUTES EXAMINED?

A. Yes. Duke Energy made minor revisions to the centerline within the existing transmission corridor and at the southern end of the Preferred Route to maintain a 50-foot clearance from the residential properties located in the southeastern corner of the Siting Study Area.

Q. BASED UPON THE EFFORTS UNDERTAKEN BY THE SITING TEAM AS DESCRIBED ABOVE, DO YOU HAVE ANY OPINION ON THE COMPANY'S PREFERRED ROUTE FOR THE PROJECT?

A I believe the Preferred Route is optimal for this Project.

IV. PERMITTING AND ENVIRONMENTAL STUDIES

Q. WHAT ENVIRONMENTAL PERMITTING OR STUDIES ARE ANTICIPATED FOR THIS PROJECT?

A. Duke Energy Kentucky anticipates the following environmental studies, permits, and/or approvals for construction of the Project:

- A wetland delineation will be conducted to identify wetlands and waterbodies within the Preferred Route's ROW and the Rebuild portion of the project to determine if there are any jurisdictional features within the ROW. Impacts to jurisdictional streams and wetlands are regulated in the Commonwealth of Kentucky by the United States Army Corps of Engineers (USACE) and the Kentucky Energy and Environment Cabinet). Discharges of dredged or fill material into 'waters of the United States' require permits from the USACE under the provisions of Section 404 of the Clean Water Act (CWA), as well as Section 401 of the CWA, also referred to as Water Quality Certification (WQC) from the KDOW.
- Coordination is in progress with United States Fish and Wildlife Service (USFWS) on potential impacts to federally-listed threatened and/or endangered species. Utilizing the USFWS Information for Planning and Consultation (IPAC) website, an Official Species List was obtained for the Project on November 4, 2021. Based on this Official Species List, it was determined that there are three (3) federally-listed bat species, ten (10) federally-listed mussel/clam species, and one (1) candidate insect

species that may occur within the Siting Study Area. Required studies will be coordinated with the USFWS.

- The Project is anticipated to have more than an acre of land disturbed during construction. As such, a Kentucky Pollutant Discharge Elimination System (KPDES) construction stormwater permit will be required to be obtained prior to initiation of construction activities. A condition of this permit is to develop a Stormwater Pollution Prevention Plan (SWPPP) for the Project to show the implementation of best management practices (BMPs) to be utilized during construction. Duke Energy Kentucky will also need to communicate with Sanitation District 1 (SD1) and coordinate and obtain other permits as required.
- Based on a Preliminary Cultural Resource Management Review, all identified archaeological sites and historical properties within the Siting Study Area were determined to be destroyed or ineligible for listing on the National Register of Historic Places (NRHP). Duke Energy Kentucky will conduct Consultation with the Kentucky Heritage Council (KHC) – State Historic Preservation Office (SHPO) documenting the Preliminary Cultural Resource Management Review findings.

In addition to environmental permits, there are engineering permits that will need to be obtained. Due to the proximity of the Project to Cincinnati/Northern Kentucky International Airport, permit applications will need to be filed with the FAA and KYTC. The aerial crossing of Interstate 275 will require approval from the KYTC and local temporary access permits for driveways along the transmission route.

Q. HAVE ANY OF THE ENVIRONMENTAL PERMITS OR STUDIES BEEN COMPLETED FOR THIS PROJECT?

A. No.

Q. DO YOU EXPECT ANY ENVIRONMENTAL PERMITTING ISSUES OR DELAYS TO THE CONSTRUCTION AS A RESULT OF PERMITTING FOR THE TRANSMISSION LINE?

A. Duke Energy Kentucky does not expect any environmental permitting issues or delays to the construction as a result of permitting for the transmission line.

V. CONCLUSION

Q. PLEASE EXPLAIN EXHIBIT 1.

A. Exhibit 1 includes a map showing the proposed location of the Project.

Q. PLEASE EXPLAIN EXHIBIT 2.

A. Exhibit 2 includes a map showing the Project Siting Study Area.

Q. PLEASE EXPLAIN EXHIBIT 3.

A. Exhibit 3 includes a map showing the proposed Rebuild Area.

Q. PLEASE EXPLAIN EXHIBIT 7.

A. Exhibit 7 includes a copy of the Transmission Line Route Selection Study report which describes the siting methodology and results in detail and depicts the full description of the route and alternative routes considered for the new line portion of the Project. Company's proposal is applicable only in the Company's service territory and, as such, the Project will not compete with any other public utilities, corporations, or persons.

Q. PLEASE EXPLAIN EXHIBIT 8.

A. Exhibit 8 shows the proposed route for the new line portion of the Project and the impacted parcels.

Q. PLEASE EXPLAIN EXHIBIT 9.

A. Exhibit 9 shows the alternative route segments considered as part of the siting review process.

Q. PLEASE EXPLAIN EXHIBIT 10.

A. Exhibit 10 shows the proposed rebuild route of the Project and the impacted parcels.

Q. WERE EXHIBITS 1, 2, 3, 7, 8, 9, and 10 PREPARED UNDER YOUR DIRECTION AND CONTROL?

A. Yes.

Q. DOES THIS CONCLUDE YOUR PRE-FILED DIRECT TESTIMONY?

A. Yes.

VERIFICATION

STATE OF OHIO)
) **SS:**
COUNTY OF HAMILTON)

The undersigned, John Hurd, Director of Stakeholder Engagement, being duly sworn, deposes and says that he has personal knowledge of the matters set forth in the foregoing testimony and that it is true and correct to the best of his knowledge, information and belief.

John Hurd Affiant

Subscribed and sworn to before me by John Hurd on this 22nd day of March, 2023.

NOTARY PUBLIC

My Commission Expires: July 8, 2027

EMILIE SUNDERMAN
Notary Public
State of Ohio
My Comm. Expires
July 8, 2027

Exhibit 17

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

The Electronic Application of Duke Energy Kentucky, Inc. for a Certificate of Public Convenience and Necessity to Construct A 138 kV Transmission Line In Boone County (Hebron to Oakbrook Transmission Line Project	)))))	Case No. 2022-00364

DIRECT TESTIMONY OF

LISA D. STEINKUHL

ON BEHALF OF

DUKE ENERGY KENTUCKY, INC.

March 30, 2023

TABLE OF CONTENTS

PAGE

I. INTRODUCTION AND PURPOSE

Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.

A. My name is Lisa D. Steinkuhl, and my business address is 139 East Fourth Street, Cincinnati, Ohio 45202.

Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?

A. I am employed by Duke Energy Business Services LLC (DEBS) as Director, Rates and Regulatory Planning for Duke Energy Kentucky, Inc., (Duke Energy Kentucky or Company) and Duke Energy Ohio, Inc. DEBS provides various administrative and other services to Duke Energy Kentucky and other affiliated companies of Duke Energy Corporation (Duke Energy).

Q. PLEASE SUMMARIZE YOUR EDUCATIONAL BACKGROUND AND PROFESSIONAL EXPERIENCE.

A. I received a Bachelor's Degree in Mathematics from Western Kentucky University in Bowling Green, Kentucky. After completing my Bachelor's Degree, I received a Post Baccalaureate Certificate in Professional Accountancy from the University of Southern Indiana in Evansville, Indiana. I became a Certified Public Accountant (CPA) in the State of Ohio in 1993. After receiving my Post Baccalaureate Certificate in 1988, I was employed by small public accounting firms. I was hired by Cinergy Services, Inc., the predecessor of DEBS, in 1996, as a tax accountant. I held various positions with Cinergy Services, Inc., including responsibilities in Regulated Business Financial Operations, Commercial Business Asset Management, and Budgets and Forecasts. I joined the Rates Department in April 2006 as a Lead Rates Analyst, was promoted to Rates & Regulatory Manager in

January 2014 and Utility Strategy Director in May 2018. I have held my current position as Director, Rates & Regulatory Planning since March 2022.

Q. PLEASE SUMMARIZE YOUR RESPONSIBILITIES AS DIRECTOR, RATES AND REGULATORY PLANNING.

A. As Director, I am responsible for the preparation of financial and accounting data used in Duke Energy Ohio and Duke Energy Kentucky, Inc., retail rate filings and changes in various other rate recovery mechanisms, along with filings with the Federal Energy Regulatory Commission (FERC).

Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE THE KENTUCKY PUBLIC SERVICE COMMISSION?

A. Yes.

Q. WHAT IS THE PURPOSE OF YOUR DIRECT TESTIMONY IN THESE PROCEEDINGS?

A. The purpose of my testimony is to discuss the financial aspects of the Company's request for a Certificate of Public Convenience and Necessity (CPCN) to construct and operate a new single circuit 138 kilovolt (kV) transmission line (circuit #6763; the Project). The new circuit will utilize portions of the existing #15268 circuit 69 kV transmission line and approximately 2.1 linear miles of proposed new transmission line. I also sponsor Exhibit 5 to the Application.

II. FINANCIAL IMPACT OF THE PROJECT

Q. WHAT IS THE PROJECTED COST OF THE PROJECT?

A. The overall Project is estimated to cost approximately $34 million. That sum comprises: (a) approximately $32.2 million for the construction of the overhead

line, including right-of-way acquisition, (b) approximately $1.5 million for the cost of removal associated with the retirement of a portion of an existing circuit, and (c) distribution line work of $0.5 million.

Q. DOES THE $34 MILLION COST ESTIMATE REPRESENT A FIXED AND FINAL COST?

A. No. The $34 million is based on a Class 4 estimate that represents an expected range of plus 50 percent and minus 30 percent. This estimate will be further refined once engineering is finalized and prior to start of construction. The final cost for the Project will not be known until all work is complete and the right-of-way is restored.

Q. WHAT IS THE PROJECTED ONGOING COST OF OPERATION OF THE PROJECT ONCE COMPLETED?

A. The estimated annual ongoing cost of operation of the Project once completed is expected to be approximately $10,000 for general maintenance and inspection (capital and operations and maintenance (O&M)).

Q. ARE ANY CUSTOMERS DIRECTLY CONTRIBUTING TO THE COST OF THE PROJECT?

A. No.

Q. HOW DOES DUKE ENERGY KENTUCKY INTEND TO FINANCE THE PROJECT?

A. In response to 807 KAR 5:001, Section 15(2)(e), the Company is proposing to finance the construction through continuing operations and, if necessary, through debt issuances.

Q. WILL THE COST OF THE PROJECT MATERIALLY AFFECT THE FINANCIAL CONDITION OF DUKE ENERGY KENTUCKY?

A. No.

Q. PLEASE EXPLAIN HOW THE PROJECT WILL BE TREATED FROM AN ACCOUNTING PERSPECTIVE.

A. The Project is nearly all capital in nature because it is adding new facilities to serve our electric customers and improve the reliability of the delivery system. There will be an immaterial impact to the Company's O&M expenses in terms of incremental cost of operation. The capital costs will be accumulated in FERC account 107 (Construction Work in Progress) during construction and will accrue Allowance for Funds Used During Construction (AFUDC) until the Project is placed in service. After the Project is placed in-service, capital costs will transfer initially to FERC account 106 (Completed Construction not Classified) where it will begin being depreciated like any other asset that is used and useful. Once unitized, the Project will be transferred to FERC account 101 (Plant in Service). The cost of removal associated with the retirement will be recorded as a debit to FERC account 108 (Accumulated Provision for Depreciation).

Q. WHAT IS THE ESTIMATED IN-SERVICE DATE?

A. The estimated in-service date is December 31, 2025.

Q. PLEASE EXPLAIN HOW THE COMPANY WILL RECOVER ITS COSTS OF CONSTRUCTION.

A. The Company plans to recover the costs of the Project in the ordinary course of base rate proceedings.

Q. HAS THE COMPANY ESTIMATED THE IMPACT OF THIS PROJECT TO CUSTOMER RATES?

A. The Project is not expected to have a material impact on customer rates. Once the Project is in service and included in a base rate case, the estimated revenue requirement is expected to be approximately one percent of total Company revenues.

III. EXHIBITS SPONSORED BY WITNESS

Q. PLEASE LIST AND DESCRIBE EXHIBITS TO THE APPLICATION THAT YOU ARE SPONSORING.

A. I am the sponsor of Exhibits 5**.** Exhibit 5 is the financial statement for month end, December 31, 2022, as required by 807 KAR 5:001, Section 12.

IV. CONCLUSION

Q. WAS EXHIBIT 5 PREPARED UNDER YOUR DIRECTION AND CONTROL?

A. Yes.

Q. DOES THIS CONCLUDE YOUR PRE-FILED DIRECT TESTIMONY?

A. Yes.

VERIFICATION

STATE OF OHIO)
) **SS:**
COUNTY OF HAMILTON)

The undersigned, Lisa Steinkuhl, Director, Rates and Regulatory Planning, being duly sworn, deposes and says that she has personal knowledge of the matters set forth in the foregoing testimony and that it is true and correct to the best of her knowledge, information and belief.

Lisa D Steinkuhl
Lisa Steinkuhl Affiant

Subscribed and sworn to before me by Lisa Steinkuhl on this 22nd day of March, 2023.

Emilie Sunderman
NOTARY PUBLIC

My Commission Expires: July 8, 2027

EMILIE SUNDERMAN
Notary Public
State of Ohio
My Comm. Expires
July 8, 2027

NOTARIZED PROOF OF PUBLICATION

COMMONWEALTH OF KENTUCKY

COUNTY OF Franklin

Before me, a Notary Public, in and for said county and state, this 3rd day of April, 2023 came Rachel McCarty, personally known to me, who, being duly sworn, states as follows: that she is the Advertising Assistant of the Kentucky Press Service, Inc.; that she has personal knowledge of the contents of this affidavit; and that the publications included on the attached list published the Legal Notice for Duke Energy Corporation.

Rachel McCarty
Signature

Connie F. Howard
Notary Public
My Commission Expires: 9-18-2024
Id. # 14119

(SEAL)

Local

Pendleton Recreation Commission holds two special meetings, one in closed session

By Carolyn Reid

Pendleton County's Recreation Commission recently met in two special-called meetings. The first was held Wednesday, March 15, and was a closed session by way of KRS 61.810(1) (f) For Appointment of or Potential Employment, and KRS 61.810 (1) (c) Potential Litigation. At the end of the closed session, the committee announced the hiring of law firm Adams, Stepner, Woltermann, and Dusing, PLLC, of Covington.

The commission met again in special session Wednesday, March 22, because a quorum could not meet during its regular Monday, March 20, set time of the third Monday of the month. Commission members Allison Nichols, Janice Polley, Emily Wilson, Dixie Wells, Bridget Browning, Adam Bruener, Patrick Clore, Stephanie Prince, and Jason Anderson. At least a dozen audience members were on hand.

Adam Bruener referenced the March 2 town hall and the concerns voiced by the parents and coaches, launching the discussion into the concerns revolving around the lack of instruction and structure, leading James Anderson to say they need to fix the problems and fix them quickly. Anderson then said he was working with high school coaches and others who could help train those who volunteer to coach recreational sports, and he was reviewing videos he hoped would offer help to coaches during leisure time. Anderson also said he and Bruener had had long discussions about how to make the program better.

Director Karen Davis told the commission she had 104 children signed up for T-ball alone, and 292 total had signed up for baseball. That returned the group to how to best structure baseball since it was the immediate sport with such high numbers.

The commission decided, with Anderson's and Bruener's leadership, to form team committees in order to decide what kids need to learn. Anderson asked if T-ball would be divided into two groups with Bruener agreeing that would be best. Anderson suggested having a person oversee baseball and softball, and those persons would clarify rules, set coaching guidelines, and other expectations for what the kids need at the T-ball, baseball, and softball levels.

Stephanie Prince offered to help "as a runner" or in some capacity because she said she did not feel she knew enough to help with more, and Bruener said he could help Karen as director, but he has a senior playing softball, and he did not know how much he could be there.

The subject of communicating problems led Bruener to ask, "Are we talking a person on a sub-committee (based on sport) being the first in line of communication?" Anderson replied whoever was there would be the first to be approached with concerns.

Bruener said that person would definitely need to be on-site, and Davis would be there to handle complaints.

The role of overseeing instruction would fall on someone, whether on the board or in the community, to be the expert. That person would set the structure of the rules and enforce playing time for kids. Anderson was clear that every kid needed to see playing time regardless of skill level.

Bruener said baseball and softball needed to be split, and a board member was needed to handle logistics of those teams. He wanted to see an expert and clinics to pull everyone together to teach kids. Anderson and Bruener both said they could help with that.

Nate Jones, who was in the audience, was asked to be the expert for baseball. When he was called on, he gave the commission printouts of what he thought each team should do based on what he had done from his early days to his professional days. He said all sports would benefit from agility/hand/foot/eye coordination drills, and the printouts would benefit all sports. He was clear that he would be glad to help work with coaches, parents who wanted to help. He said he would work with moving the difficulty up as the teams move through age groups.

Anderson stated again, as he had in the town hall, that the best situation would be to see the seasons offset, meaning that the clinics would be during off-seasons for high school coaches as well as teams so they could have input. He hopes to begin that structure soon, but it would mean a sport would be skipped for those clinics until the following year in order to accommodate the cycle.

Patrick Clore agreed the time the sports have is limited, especially considering facilities and time. He agreed they needed to find a way coaches and teams could help with the sports, and Anderson said one thing they heard at the town hall was more community involvement was needed.

Clore also stated that while rec was set up for the kids to have fun, their goal is to help kids learn. "Two hundred kids won't be playing at the high school level. Instruction, yes, but remember they should have fun."

He then spoke to the dangers the community faces with the problems. "When we loose the ability of all entities together, we may as well not exist. We need to be cohesive and work together."

Anderson spoke to the need for structure again, and Prince said that may encourage volunteers to step up.

Anderson also reminded everyone that the indoor sports such as basketball and cheer have only one gym in the county available to use for practice, and those practices are one hour a week. Parents also need to buy into helping their kids learn.

Megan Smith, a member of the audience, spoke up for the fact that volunteers and parents need to take advantage of any resources they can, as well. "My husband and I coached, and we went to watch Nate coach to learn. I think a requirement for coaches should be to learn by watching.

Adam Bruener gave the committee an update on a Duke grant that he is pursuing for the fields. He said Randy Wells of the PC Chamber put him in touch with chamber president Gary Hicks who told him about Duke Energy's grant. Bruener said due to the limited amount of time he had to apply, he went ahead and applied to replace the shed with a new metal shed, to get six sets of 15-foot bleachers, and to get a chain-link fence to cover the bleacher opening.

Falmouth City Council, he added, said the city could install the speed humps at the athletic park that were donated by Jay-Gee. Those humps will be delivered to the park.

Shane Hampton asked for the fields for soccer starting April 13 and running through June 24. He asked for the use of the bleachers and the electricity, as well. Clore asked if this was a separate entity from rec, and Hampton said he is asking for Wolfpack Soccer. He would need the fields for three days, Judge/Exectutive David Fields stated he would have to talk with the county attorney about the agreement due to liability concerns.

Fields was there to say the PC Athletic Advisory Board had not been officially dissolved since its last meeting in about 2017 or 2018. At that time, the board discussed the new playground to be installed there, and the Griffin Center was put into the hands of the fair board. He said he would have to get with the County Attorney Stacey Sanning to see what needs to be done. Since the board was mostly positions over names, he felt he could call a meeting to have those people officially dissolve the board, and monies could be moved. The fact that it has not been dissolved also means that liability, guidelines, use, and conditions of the fields have not been updated, either. The current information was run through the high school athletic department, and now that oversight has changed.

PC Wildcat Athletic Parents will now run concessions. This is an organization set up to pay fees for families who cannot afford to put their children in rec activities otherwise and has been run in the past by Director Karen Davis.

Baseball shirts and hats have been ordered from BSM Sports, Davis reported, and they are the MLB jerseys like last year's jerseys. The commission approved the purchase of new catcher equipment, no pictures, and to stop supplying socks and shorts for soccer.

The park maintenance plan requires 40 man hours between two people, according to Bruener, and two were approved for that role. Bruener mentioned that the fields need to be fertilized and reseeded, and the fields need a core aerator and a spreader. The aerator runs around $1,400 and the spreader runs around $400. Fields responded that they could put it in the new 2023-2024 budget if nothing else. The fields will be treated as they are off-season. The board voted to allocate $2,500 to the budgetary needs for the rest of the fiscal year. After some discussion, the commission decided to use a purchase order in order to track those items purchased.

Other items on the agenda that were approved:

Falmouth Baptist's egg hunt for Sunday, April 2, to be held in the park.

The committee, based upon parental complaints about the lack of communication they are said to demonstrate, will read *Surrounded by Idiots: The Four Types of Human Behavior and How to Effectively Communicate with Each in Business (and in Life)* by Thomas Erikson.

Jesse Combs of Patriots Football asked about using the football field over the summer, but he does not know how many will be on the team because sign-ups have not started yet.

Bruener said the athletic fields are playable, the trash bins are installed, and the bathrooms are upgraded.

The recreation commission meets every third Monday at 7 p.m. at the BINGO Hall next to Heritage Bank and Howard's Place.

Budgets and raises part of PC Fiscal Court discussion

By Janet Scanlon

The Pendleton County Fiscal Court held a Caucus meeting on March 21 at 6 p.m.

Magastrate Gregg was absent for medical reasons. The county attorney was not in attendance.

Sheriff Jared Brewer gave a report of pricing for new vehicles for the Sheriff's office. The only quote under State Contract available at this time is a 2023 Durango for $41,415 and a Dodge Ram for $43,555. Additional information is needed so this will be revisited at a later meeting.

Jailer Tony Gillespie presented his 2023-2024 operating budget. Gillespie would like to bring his part time deputies a wage rate from $13/hour to $15/hour. Full time employees were already give CPI increases.

Road Supervisor Charlie Purdy discussed blacktopping options and the road resurfacing list. The magistrates will review the list and submit their final recommendations.

The Economic Development Group proposal was tabled for further discussion at a later meeting.

The next regular meeting will be held on March 28 at 6 p.m. The public is invited and encouraged to attend. It can also be viewed live on The Falmouth Outlook Facebook page.

NOTICE OF PROPOSED ELECTRIC TRANSMISSION LINE CONSTRUCTION PROJECT

Duke Energy Kentucky, Inc. (Duke Energy Kentucky or Company) proposes to construct a new 138-kilovolt (kV) transmission line in Boone County, Kentucky (Hebron to Oakbrook Transmission Line Project). The Hebron to Oakbrook Transmission Line Project involves the approximate two-mile construction of a new 138-kV transmission line and rebuild of a 1.5-mile portion of an existing 69 kV transmission line to 138-kV capacity. The proposed 138-kV transmission line runs east-southeast from the Hebron substation through an industrial complex crossing Interstate 275 to the west of Route 237. After crossing route 275 it runs east to connect to the existing transmission line along Route 237 across the street from the Burger King and Domino's Pizza. The rebuild portion of the transmission line runs south from Limaburg Substation along Limaburg Road in Hebron, Kentucky, to Burlington Pike in Burlington, Kentucky.

The proposed transmission line generally will require a 100-foot-wide right-of-way. Duke Energy Kentucky may also be required to alter the proposed centerline of the Hebron to Oakbrook Transmission Line Project and adjacent rights-of-way to address landowner preference or conditions discovered during survey and construction that affect constructability and access.

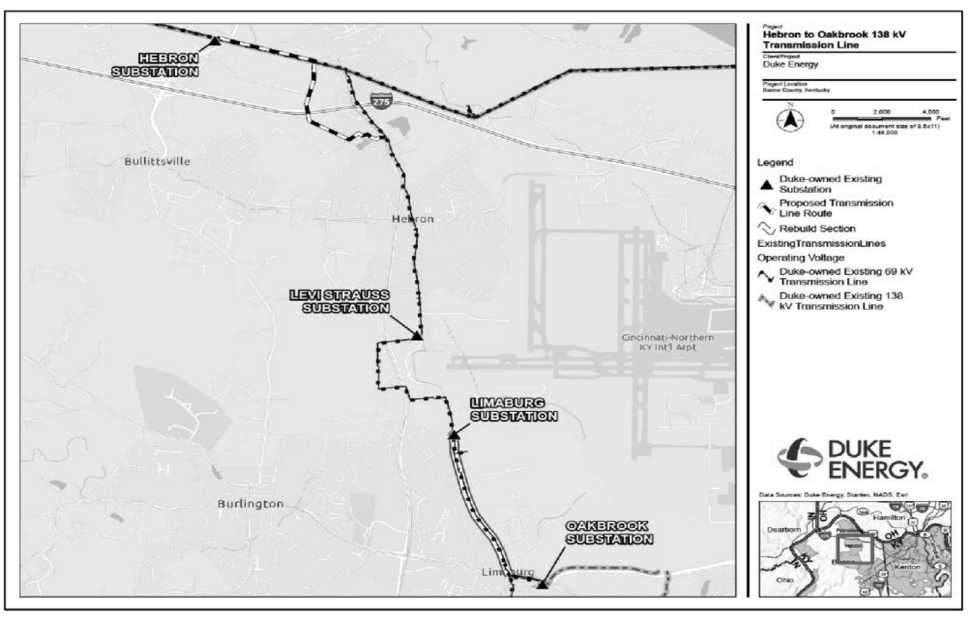
Duke Energy Kentucky plans to file an application with the Public Service Commission of Kentucky on or soon after March 27, 2023 seeking a certificate of public convenience and necessity authorizing the Hebron to Oakbrook Transmission Line Project. The application and the Commission proceeding have been assigned Case No. 2022-00364.

Any interested person, including any person over whose property the proposed transmission line will cross, may request a local public hearing in the county in which the transmission line is proposed to be constructed. The request must be in writing and should be delivered to the Executive Director, Public Service Commission, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. The request for local public hearing must be delivered to the Executive Director no later than thirty days after the date the application is filed. The request for local public hearing must comply with the requirements of 807 KAR 5:120, Section 3.

A person may seek to intervene as a party in the Commission proceeding to review Duke Energy Kentucky's application by filing a timely written request for intervention in accordance with the requirements of 807 KAR 5:001, Section 4(11) and 807 KAR 5:120, Section 3(3).

The application and other filings in connection with Duke Energy Kentucky's application may be accessed at http://psc.ky.gov under Case No. 2022-00364 once filed. Project updates and further information may also be found on the Company's website: www.duke-energy.com/Hebron

A map of the proposed route for the electrical transmission line is shown below.



Public Notices

PUBLIC NOTICE:
Gallatin County Schools will be having its third District Local Planning Commission Meeting to finalize a DFP Plan. This meeting will be held on April 13, at 5:30 p.m. at the Wallace Central Office Building.
13-1c

PUBLIC NOTICE:
The public will take notice that the undersigned has qualified as the Co-Executors of the estate of Terry Lee Tucker, deceased. All persons indebted to, will make payment to, and all persons having claims upon said estate will make their claims as required by law.
Kathy Sue Rolf
1590 Hwy. 16
Glencoe, Ky 41046
James Vogel
1650 Hwy. 16
Glencoe, Ky 41046
13-1c

PUBLIC NOTICE:
The public will take notice that the undersigned has qualified as the Executor of the estate of Nicola Ray Riley, deceased. All persons indebted to, will make payment to, and all persons having claims upon said estate will make their claims as required by law.
Diana L. Riley
28 Dana Lane
Sparta, Ky 41086
13-1c

PUBLIC NOTICE:
The public will take notice that the undersigned has qualified as the Administrator of the estate of Carrie Marie Bell, deceased. All persons indebted to, will make payment to, and all persons having claims upon said estate will make their claims as required by law.
Deanna Denniston
500 Arbor Dr., Apt. 520
Dry Ridge, Ky 41035
13-1c

PUBLIC NOTICE:
ORDINANCE 2023-02
AN ORDINANCE OF THE CITY OF WARSAW, IN GALLATIN COUNTY KENTUCKY, APPROVING A ZONING MAP AMENDMENT FOR THE GOESSLING/ PITTMAN PROPERTY LOCATED AT 204 RIVERVIEW DRIVE, AS RECOMMENDED BY THE GALLATIN COUNTY PLANNING COMMISSION, FROM HIGHWAY BUSINESS (HB) TO RESIDENTIAL THREE (R-3), IN ORDER TO DEVELOP THE REAL ESTATE FOR APARTMENT HOMES ACCORDING TO THE SUBMITTED DEVELOPMENT PLAN AND SUBJECT TO THE AGREED-UPON CONDITIONS.

WHEREAS, the Applicants (Pittman) and Owner (Goessling) requested the Gallatin County Planning Commission to hold a public hearing and make a recommendation regarding a proposed Zoning Map amendment to the Warsaw Zoning Ordinance for the real estate located at 204 Riverview Drive, in order to develop the real estate for apartment homes according to the submitted development plan and subject to the agreed-upon conditions.

WHEREAS, on March 7, 2023, the Gallatin County Planning Commission held a public hearing, pursuant to statutory notice, for the purpose of reviewing the proposed amendment and seeking public input;

WHEREAS, public and professional input was presented to the Gallatin County Planning Commission at the public hearing, consisting of a presentation, oral testimony, and exhibits; and the Planning Commission thereafter voted to recommend approval of the map amendment; and

WHEREAS, the City of Warsaw does hereby intend to approve and adopt the zoning map amendment according to the record of the Planning Commission and the Exhibits which is attached hereto and incorporated herein by reference.

NOW THEREFORE, IN CONSIDERATION OF THE FOREGOING PREMISES, BE IT ORDAINED BY THE CITY OF WARSAW, KENTUCKY, AS FOLLOWS:

Section 1. The recommendation of the Gallatin County Planning Commission pertaining to the proposed Zoning Map Amendment for the Goessling/ Pittman real estate located at 204 Riverview Drive, Warsaw, Kentucky, is hereby adopted and approved, thereby changing classification of the subject real estate on the Zoning Map of the City from Highway Business (HB) to Residential Three (R-3), in order to develop the real estate for apartment homes according to the submitted development plan and subject to the agreed-upon conditions.

Section 2. The materials constituting the record of the Planning Commission and the City Council are incorporated herein by reference; and the City does hereby find that the Highway Business (HB) zoning classification is not appropriate for the subject real estate and that the Residential Three (R-3) zoning classification is appropriate; and further that R-3 is more consistent with the Comprehensive Plan than HB.

Section 3. The subject real estate is identified as Parcel Number 13B-05-03 on the records of the Gallatin County PVA; and the source of title is Deed Book 114, page 587.

Section 4. This Ordinance shall be effective upon its adoption, approval and publication according to law.

Section 5. All Ordinances or parts of any Ordinances in conflict herewith, to the extent of such conflict, if any, are hereby repealed.

Section 6. The provisions of this Ordinance are severable and the invalidity of any provision of this Ordinance shall not affect the validity of any other provisions hereof, and such other provisions shall remain in full force and effect as long as they remain valid in the absence of that provision determined to be invalid.

Section 7. The foregoing Ordinance was read, passed and adopted by the Council of the City of Warsaw, Kentucky, meeting in regular sessions on the 13 day of MARCH, 2023, and on the 22 day of MARCH, 2023, with 5 Yes votes, 0 No votes, and 0 Abstentions, and was thereafter approved by the Mayor and ordered published in Summary according to law.

Approved:
/s/Charles "CE" French
Charles "CE" French, Mayor
Attest:
/s/Carolyn Caldwell
Carolyn Caldwell, Clerk
Published: March 29, 2023
13-1c

Classified Advertising

SERVICES

SERVICES: Hauling, driveway gravel, topsoil, backhoe, loader work. Licensed electrical service. Call Ron Maxwell, at 859-743-6968.
1-11p

NOTICE OF PROPOSED ELECTRIC TRANSMISSION LINE CONSTRUCTION PROJECT

Duke Energy Kentucky, Inc. (Duke Energy Kentucky or Company) proposes to construct a new 138-kilovolt (kV) transmission line in Boone County, Kentucky (Hebron to Oakbrook Transmission Line Project). The Hebron to Oakbrook Transmission Line Project involves the approximate two-mile construction of a new 138-kV transmission line and rebuild of a 1.5-mile portion of an existing 69 kV transmission line to 138-kV capacity. The proposed 138-kV transmission line runs east-southeast from the Hebron substation through an industrial complex crossing Interstate 275 to the west of Route 237. After crossing route 275 it runs east to connect to the existing transmission line along Route 237 across the street from the Burger King and Domino's Pizza. The rebuild portion of the transmission line runs south from Limaburg Substation along Limaburg Road in Hebron, Kentucky, to Burlington Pike in Burlington, Kentucky.

The proposed transmission line generally will require a 100-foot-wide right-of-way. Duke Energy Kentucky may also be required to alter the proposed centerline of the Hebron to Oakbrook Transmission Line Project and adjacent rights-of-way to address landowner preference or conditions discovered during survey and construction that affect constructability and access.

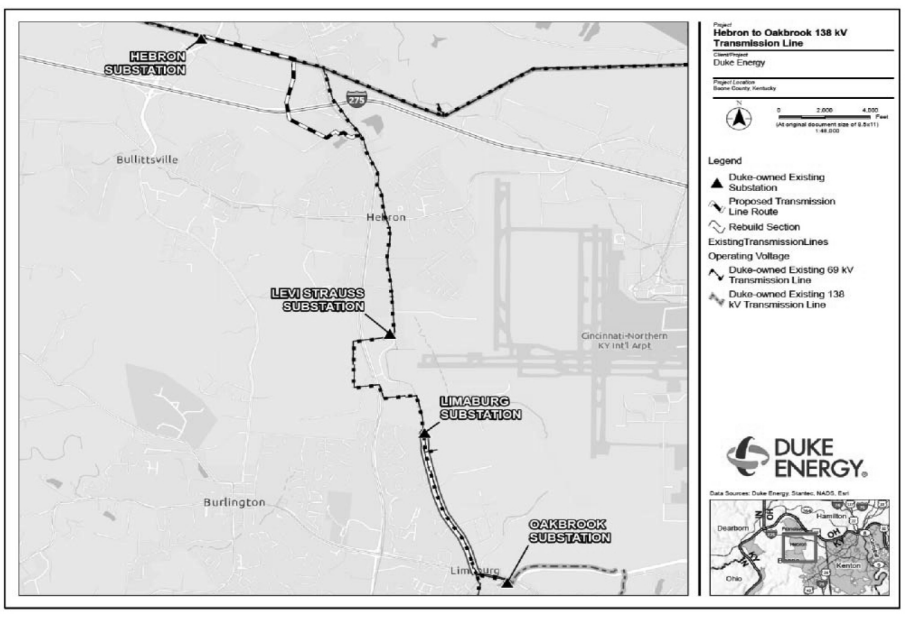
Duke Energy Kentucky plans to file an application with the Public Service Commission of Kentucky on or soon after March 27, 2023 seeking a certificate of public convenience and necessity authorizing the Hebron to Oakbrook Transmission Line Project. The application and the Commission proceeding have been assigned Case No. 2022-00364.

Any interested person, including any person over whose property the proposed transmission line will cross, may request a local public hearing in the county in which the transmission line is proposed to be constructed. The request must be in writing and should be delivered to the Executive Director, Public Service Commission, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. The request for local public hearing must be delivered to the Executive Director no later than thirty days after the date the application is filed. The request for local public hearing must comply with the requirements of 807 KAR 5:120, Section 3.

A person may seek to intervene as a party in the Commission proceeding to review Duke Energy Kentucky's application by filing a timely written request for intervention in accordance with the requirements of 807 KAR 5:001, Section 4(11) and 807 KAR 5:120, Section 3(3).

The application and other filings in connection with Duke Energy Kentucky's application may be accessed at http://psc.ky.gov under Case No. 2022-00364 once filed. Project updates and further information may also be found on the Company's website: www.duke-energy.com/Hebron

A map of the proposed route for the electrical transmission line is shown below.



www.grantky.com

PUBLIC NOTICE

Second reading of a proposed ordinance amending the Grant County budget for fiscal year 2022-2023 to include unanticipated receipts from Opioids Court Settlement in the amount of $246,867.13 and increasing expenditures in the area of Opioids Court Settlement Fund will be held on April 4th 2023 at 4:30p.m. A copy of the proposed ordinance with full text is available for public inspection at the office ofthe county judge/executive during normal business hours.

Grant County Board of Adjustment
NOTICE OF PUBLIC HEARINGS

Notice is hereby given that the Grant County Board of Adjustments will hold the following public hearings:
1. **Jack & Rebecca Stinson** has filed an application with the Board of Adjustments requesting a Dimensional Variance Permit to reduce the front yard setback from 50' to 25' for the property located 540 Dunn Mazie Rd., Grant County KY.
2. **Cody Estes** has filed an application with the Board of Adjustments requesting a Dimensional Variance Permit to reduce the front yard setback from 50' to 25' for the property located at 155 Ash Rd., Grant County KY.
3. **Ronald & Elizabeth Williams** has filed an application with the Board of Adjustments requesting a Dimensional Variance Permit to reduce the side yard setback from 20' to 5' for the property located at 390 Rainbow Dr., Grant County KY.

A full copy of all requests may be reviewed at the Planning Commission Office during normal business hours.
All public hearings will be held before said body on Monday, April 10th, 2023 at 6:00 p.m., at the Grant County Courthouse, 101 North Main Street, Williamstown, at which time those wishing to comment on these items shall appear and be heard.

--- Grant County Board of Adjustment

****No Trespassing**

Persons are notified that the land and property belonging to the below listed persons are posted against hunting, fishing, trapping, 4-wheeling or dirt bike riding, walking, horseback riding, woodcutting, dumping or any other kind of trespassing. Owners are not responsible for any accidents. Violators will be prosecuted to the fullest extent of the law.

McKEE PROPERTY, 210 Mason Courdova Road. Corinth

Smith, George - 4070 Heekin Lawrenceville Rd, Williamstown

Lendyn Webster and Jane Clifton property on Goldsvalley Spur Road and Snell Lane.

Property of Doering Family Ltd. Partnership on Dry Ridge Mt. Zion Rd., Dry Ridge.

No trespassing, private property at 613 Reeves Road, Dry Ridge, Ky. 41035

Henry Family Farm at 1115 Smokey Rd., Williamstown, KY 41097

PICKETT Property located at 10490 Taft Hwy, Williamstown (Route 22 & White Chapel Road)

Byrley Property located at 255 Turner Dr., Crittenden. **NO TRESPASSING & NO HUNTING!**

Janice & Jack Bowling property located on White Chapel Road.

PROPERTY LOCATED AT - 5340 Stewartsville Rd., Williamstown.

Sponcil, Wayne 485 Sherman Newtown Rd. Sponcil Properties, 2895 Dixie Hwy.

DEGLOW, RICHARD & LINDA. Farm at 1495 Heekin Road, Williamstown, KY.

Lonald, Linda and Wesley Cook, 1600 Corinth Road (40 acres).

MCINTIRE PROPERTY located on Old Cynthiana Rd. and Oak Ridge Pike.

SAALFELD, KURT 423 Peaceful Hollow Road, Dry Ridge, KY & Surrounding 42 acres.

MIKE SATTERWHITE FARM 250 School Road, Jonesville, KY 41052.

Littrell property at 800 Ashbrook Rd., Williamstown.

Social Security matters

BY THE NATIONAL SOCIAL SECURITY ADVISOR AT THE AMAC FOUNDATION

Dear Rusty: Politicians are talking about taking money from Social Security, but I need that money to support my daughter and pay for my home. I'm a widow, and my husband passed in 2017. I'll lose my home if my Social Security benefits are cut. Please help. Signed: Widowed Senior

Dear Widowed Senior: Despite what you might read or hear in the media, the main threat for you to lose any of your Social Security money is if Social Security is not reformed. In that case, everyone who receives benefits will see a cut of about 23% to their monthly benefit starting in about 2034. The way to avoid that is by updating the current Social Security law to address two primary issues:

1. People now live much longer than when Social Security was enacted in 1935 and when the last major program change occurred in 1983. Average life expectancy of beneficiaries today is mid-80s, compared to mid-60s when the program started. In other words, people now collect benefits for much longer (often decades longer) than the program is designed to support.

2. The number of workers contributing to the program is growing much slower than the growth in beneficiaries receiving benefits. That means the ratio of contributors to recipients is much less now than it has been in the past.

COMMONWEALTH OF KENTUCKY
UNIFIED COURT OF JUSTICE
GRANT CIRCUIT COURT
CIVIL ACTION NO. 22-CI-00030

"Electronically Filed"

THE BANK OF NEW YORK MELLON, F/K/A THE BANK OF NEW YORK AS SUCCESSOR TO JPMORGAN CHASE BANK, N.A. AS TRUSTEE FOR ASSET BACKED FUNDING CORPORATION, ASSET-BACKED CERTIFICATES, SERIES 2005-HE1 — PLAINTIFF

VS. **NOTICE OF COMMISSIONER'S SALE**

TYLER HILLENBRAND, ET AL — DEFENDANTS

** ** ** ** **

By virtue of a Judgment and Order of Sale entered in the Grant Circuit Court on March 16, 2023, I will sell at public auction on the steps of the **front steps of the Grant County Courthouse**, 101 N. Main St., Williamstown, Kentucky, the property described herein located in Grant County, Kentucky, on **Wednesday, April 19, 2023**, at the hour of **1:30 p.m.**, prevailing time, and more particularly described as follows:
BEING THE SAME PROPERTY CONVEYED TO KEVIN E. HILLENBRAND (DECEASED 12/02/2020) BY DEED DATED OCTOBER 4, 2004, OF RECORD IN DEED BOOK D302, PAGE 718, IN THE OFFICE OF THE GRANT COUNTY CLERK.
And more commonly known as; 1550 Elliston Napoleon Rd, Dry Ridge, KY 41035.
PARCEL ID NO. 008-00-00-073.00

There is not a mobile home, doublewide and/or manufactured home included in the sale.

Announcements made on the day of sale take precedence over printed material.

The amount of money to be raised by this sale is the grand total amount of no less than $102,948.97 as of January 21, 2023, with post-judgment interest thereon to accrue at the rate of 8.9000% per annum until paid.

The real estate shall be sold on the terms of 10% cash at the time of the sale, except that said deposit shall be waived if the Plaintiff is the successful bidder at the sale, and the balance on a credit of thirty (30) days bearing interest at the rate of 8.9000% per annum for the date of sale. When the purchase price is paid in full, the deed will be delivered to the purchaser. It is further provided that the property sold includes insurable improvements and the successful bidder at said sale shall, at bidder's own expense, carry fire and extended insurance coverage on said improvements from the date of sale until the purchase price is fully paid in the amount of the Court appraised value of said improvements or the amount of the unpaid balance of the purchase price, whichever is less, at minimum, with a loss payable clause to the Commissioner of the Grant Circuit Court and the Plaintiff herein. Failure of the purchasers to obtain such insurance shall not affect the validity of the sale or the purchaser's liability thereunder, but shall entitle, but not require, the Plaintiff to obtain said insurance and furnish the policy or premium thereon or the proper portion thereof shall be charged to the purchaser as purchaser's costs.

The aforesaid property shall be sold free and clear of all liens and encumbrances, except the following:
a. All unpaid state, county and city real estate taxes for the year 2023;
b. Easements, restrictions, and stipulations of record;
c. Assessments for public improvements levied against the property;
d. Any facts which an inspection and/or accurate survey of the property may disclose.

For further information, see the Final Judgment and Order of Sale and pleadings of record in the Office of the Circuit Court of Grant County.

/s/ Edward M. Bourne
MASTER COMMISSIONER
GRANT CIRCUIT COURT

Copies to all parties

NOTICE OF PROPOSED ELECTRIC TRANSMISSION LINE CONSTRUCTION PROJECT

Duke Energy Kentucky, Inc. (Duke Energy Kentucky or Company) proposes to construct a new 138-kilovolt (kV) transmission line in Boone County, Kentucky (Hebron to Oakbrook Transmission Line Project). The Hebron to Oakbrook Transmission Line Project involves the approximate two-mile construction of a new 138-kV transmission line and rebuild of a 1.5-mile portion of an existing 69 kV transmission line to 138-kV capacity. The proposed 138-kV transmission line runs east-southeast from the Hebron substation through an industrial complex crossing Interstate 275 to the west of Route 237. After crossing route 275 it runs east to connect to the existing transmission line along Route 237 across the street from the Burger King and Domino's Pizza. The rebuild portion of the transmission line runs south from Limaburg Substation along Limaburg Road in Hebron, Kentucky, to Burlington Pike in Burlington, Kentucky.

The proposed transmission line generally will require a 100-foot-wide right-of-way. Duke Energy Kentucky may also be required to alter the proposed centerline of the Hebron to Oakbrook Transmission Line Project and adjacent rights-of-way to address landowner preference or conditions discovered during survey and construction that affect constructability and access.

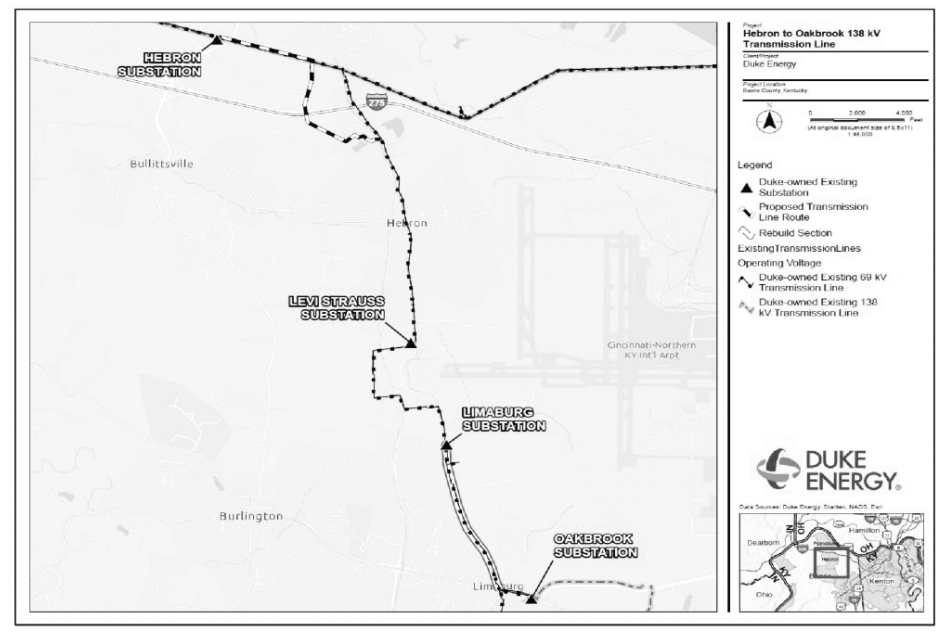
Duke Energy Kentucky plans to file an application with the Public Service Commission of Kentucky on or soon after March 27, 2023 seeking a certificate of public convenience and necessity authorizing the Hebron to Oakbrook Transmission Line Project. The application and the Commission proceeding have been assigned Case No. 2022-00364.

Any interested person, including any person over whose property the proposed transmission line will cross, may request a local public hearing in the county in which the transmission line is proposed to be constructed. The request must be in writing and should be delivered to the Executive Director, Public Service Commission, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. The request for local public hearing must be delivered to the Executive Director no later than thirty days after the date the application is filed. The request for local public hearing must comply with the requirements of 807 KAR 5:120, Section 3.

A person may seek to intervene as a party in the Commission proceeding to review Duke Energy Kentucky's application by filing a timely written request for intervention in accordance with the requirements of 807 KAR 5:001, Section 4(11) and 807 KAR 5:120, Section 3(3).

The application and other filings in connection with Duke Energy Kentucky's application may be accessed at http://psc.ky.gov under Case No. 2022-00364 once filed. Project updates and further information may also be found on the Company's website: www.duke-energy.com/Hebron

A map of the proposed route for the electrical transmission line is shown below.



Ohio ranks 9th in US for infections from fungus

Nathaniel Shuda and Adrianna Rodriguez
Columbus Dispatch
USA TODAY NETWORK

The Centers for Disease Control and Prevention has issued a warning last week about a drug-resistant fungal infection it calls an "urgent threat," but central Ohio health officials say basic precautions can help prevent it from spreading.

Ohio ranks ninth of 29 states in the U.S. where infections caused by Candida auris, or C. auris, yeast was identified in 2022, with 79 infections, according to the CDC.

First reported in the United States in 2016, the number of infections has grown nationwide to 3,270 through 2021, with the most rapid hike happening in 2020-21, according to a study published March 20 in the Annals of Internal Medicine, when the number of times the fungus was detected — but did not cause infection — tripled to a total of 4,041.

The CDC cited many reasons for the increase, including poor general infection prevention and control practices in health care facilities, enhanced efforts to detect cases and strained health care and public health systems during the COVID-19 pandemic.

The fungus spreads through contact with surfaces and equipment, especially in health care facilities, such as hospitals and nursing homes, or people who are infected, according to the CDC. Those at highest risk are people who have recently spent time in a nursing home and have feeding or breathing tubes or central venous catheters.

Other risk factors include recent surgery, diabetes and broad-spectrum antibiotic and antifungal use.

What is Candida auris, or C. auris?

Candida auris is a drug-resistant fungus that can cause outbreaks in health care facilities, according to the CDC.

The fungus can infect the bloodstream and even cause death by invading the blood, heart and brain, the agency said. More than 1 in 3 patients die from such an infection.

Experts say the pathogen is also dangerous because it's often resistant to antifungal medicines commonly used to treat infections. It's also difficult to identify without specialized laboratory technology, and is often mistaken for other infections.

The agency said C. auris was first identified in 2009 in Asia and has quickly spread throughout the world. Since it began spreading in the U.S. in 2015, reported cases have increased more than 300%.

Candida auris infection symptoms

C. auris doesn't always cause infection and can be carried on a patient's skin, the CDC said, allowing easier spread to others.

But when it does cause infection, the agency said, it may be difficult to identify because it most often occurs in patients who are already sick with other diseases and exhibiting symptoms.

The CDC says fever and chills that don't improve after giving antibiotics are the most common symptoms of C. auris.

How common is Candida auris in Ohio?

The Ohio Department of Health declined The Dispatch's request for an interview, but provided a brief overview of the fungus' prevalence across the state, which first reported a case in 2020.

From May 13, 2020, to Nov. 18, 2022, there were a combined 285 cases of C. auris in Ohio, according to state Health Department data. Of those, 95 cases resulted in infections, all but two of which were near Cincinnati, Cleveland and Dayton.

In February, Columbus Public Health identified one case within its jurisdiction in which the person was not sick and only found out they had the fungus after getting a random skin test, spokesperson Kelli Newman said.

"Like all things, just keep your hands and surfaces clean because we can carry it on our skin," Newman said. "We all have yeast on our skin. For the average person, it's not going to make you sick."

Fighting fungal infections

Experts say fungal infections, including C. auris, also are difficult to treat because antifungals can be harmful to humans.

That makes prevention key, said Lance B. Price, professor of environmental and occupational health and the founder and co-director of the Antibiotic Resistance Action Center at George Washington University.

"The scary thing about Candida auris and any of the drug-resistant fungal infections is just how difficult it is to find good, safe antifungals because people and fungi are built of the same stuff," said Price, who is not affiliated with the CDC study.

Antifungal agents also are being overused in the agricultural setting, he said, which may contribute to more drug-resistant strains.

Study authors say the rise in C. auris cases may be a result of increased surveillance efforts picking up more cases, decreased prevention efforts because of a burdened health care system during the COVID-19 pandemic, or both.

"Hospitals have to step up and screen patients for drug-resistant strains, isolate them, be on top of their game when it comes to infection control," Price said.

NOTICE OF PROPOSED ELECTRIC TRANSMISSION LINE CONSTRUCTION PROJECT

Duke Energy Kentucky, Inc. (Duke Energy Kentucky or Company) proposes to construct a new 138-kilovolt (kV) transmission line in Boone County, Kentucky (Hebron to Oakbrook Transmission Line Project). The Hebron to Oakbrook Transmission Line Project involves the approximate two-mile construction of a new 138-kV transmission line and rebuild of a 1.5-mile portion of an existing 69 kV transmission line to 138-kV capacity. The proposed 138-kV transmission line runs east-southeast from the Hebron substation through an industrial complex crossing Interstate 275 to the west of Route 237. After crossing route 275 it runs east to connect to the existing transmission line along Route 237 across the street from the Burger King and Domino's Pizza. The rebuild portion of the transmis-sion line runs south from Limaburg Substation along Limaburg Road in Hebron, Kentucky, to Burlington Pike in Burlington, Kentucky.

The proposed transmission line generally will require a 100-foot-wide right-of-way. Duke Energy Kentucky may also be required to alter the proposed centerline of the Hebron to Oakbrook Transmission Line Project and adjacent rights-of-way to address landowner preference or conditions discovered during survey and construction that affect constructability and access.

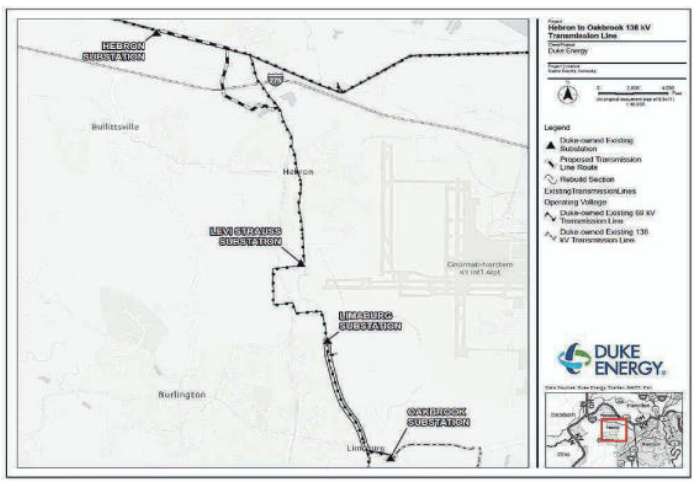
Duke Energy Kentucky plans to file an application with the Public Service Commission of Kentucky on or soon after March 27, 2023 seeking a certificate of public convenience and necessity authorizing the Hebron to Oakbrook Transmission Line Project. The application and the Commission proceeding have been assigned Case No. 2022-00364.

Any interested person, including any person over whose property the proposed transmission line will cross, may request a local public hearing in the county in which the transmission line is proposed to be constructed. The request must be in writing and should be delivered to the Executive Director, Public Service Commission, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. The request for local public hearing must be delivered to the Executive Director no later than thirty days after the date the application is filed. The request for local public hearing must comply with the requirements of 807 KAR 5:120, Section 3.

A person may seek to intervene as a party in the Commission proceeding to review Duke Energy Kentucky's application by filing a timely written request for intervention in accordance with the requirements of 807 KAR 5:001, Section 4(11) and 807 KAR 5:120, Section 3(3).

The application and other filings in connection with Duke Energy Kentucky's application may be accessed at http://psc.ky.gov under Case No. 2022-00364 once filed. Project updates and further information may also be found on the Company's website: www.duke-energy.com/Hebron

A map of the proposed route for the electrical transmission line is shown below.



CE-GCI1037892-01