

KYMEA ENERGY CENTER I TRANSMISSION LINE APPLICATION

October 2024

KENTUCKY MUNICIPAL ENERGY AGENCY
1700 EASTPOINT PKWY, SUITE 220
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1. APPLICANT INFORMATION

REQUIREMENT: per KRS 278.714(2)(a): *The name, address, and telephone number of the person proposing construction of the nonregulated electric transmission line or the carbon dioxide transmission pipeline.*

COMPLIANCE: Please see below for the requested information.

- Name: Kentucky Municipal Energy Agency
Attn: Doug Buresh, President and CEO
- Address: 1700 Eastpoint Parkway, Suite 200
Louisville, Kentucky 40223
- Phone: (502) 242-5635

Person Responsible: Doug Buresh

2. ROUTE DESCRIPTION

REQUIREMENT: per KRS 278.714(2)(b): *A full description of the proposed route of the electric transmission line or the carbon dioxide transmission pipeline and its appurtenances. The description shall include a map or maps showing:*

- 1. The location of the proposed line or pipeline and all proposed structures that will support it;*
- 2. The proposed right-of-way limits;*
- 3. Existing property lines and the names of persons who own the property over which the line or pipeline will cross; and*
- 4. a. The distance of the proposed electric transmission line from residential neighborhoods, schools, and public and private parks within one (1) mile of the proposed facilities; or*
b. The distance of the proposed carbon dioxide transmission pipeline from residential neighborhoods, schools, and parks, either private or public, within one thousand (1,000) feet of the proposed facilities.

COMPLIANCE:

The 69 kV generator lead line will extend approximately 500 feet from the high side of the two main power transformers located on the south extent of the plant site across the railway and running to the east to a new substation to be owned by Louisville Gas & Electric/Kentucky Utilities (LGE/KU). The LGE/KU substation is proposed as a three-position ring bus consisting of two transmission extensions on the West Madisonville to North Earlington transmission line and the Nebo to North Earlington line. Preliminary arrangements are shown on Patterson & Dewar Engineers Site Layout drawing attached to the Generation Application at Appendix E.

ROW will consist of 100 feet and include guying rights at the tap points. Preliminary arrangements are shown on Patterson & Dewar Engineers Site Layout attached to the Generation Application at Attachment E.

The Project Site is comprised of two sites designated as the Plant Site and the Substation Site. The Plant Site is approximately 12 acres bound by the Madisonville Wastewater Treatment Plant on the west, the CSX railroad on the east and AC Slaton Road on the south. The Substation Site will be purchased by KYMEA and deeded to Louisville Gas & Electric/Kentucky Utilities (LGE/KU). The Substation will be owned by LGE/KU and located adjacent to the plant on the east side of the railroad. The Substation Site is generally bounded by the railroad, Bean Cemetery Road and AC Slaton Road and is approximately 9.5 acres. A 69 kV generator lead line owned by KYMEA will cross the railway and connect the Plant to the Substation. A 69 kV line owned by LGE/KU will connect the Substation to the existing 69 kV transmission lines

running along the south side of A C Slaton Road and the west side of Bean Cemetery Road. The property on the south side of A C Slaton Road is owned by Donna and Sharon Hendricks, but the connection is expected to be located in the existing KU/LGE right-of-way with the exception of guying.

Nearby residential neighborhoods, schools, and public and private parks within one (1) mile of the proposed electric transmission line are identified on Attachment

Person Responsible: Doug Buresh

3. DESCRIPTION OF THE PROPOSED LINE

REQUIREMENT: per KRS 278.714(2)(c): *With respect to electric transmission lines, a full description of the proposed line and appurtenances, including the following:*

- 1. Initial and design voltages and capacities;*
- 2. Length of line;*
- 3. Terminal points; and*
- 4. Substation connections.*

COMPLIANCE:

The 69 kV generation lead line extension will consist of approximately 500 feet of 954 AAC conductor rated at 900A. The line will be a horizontal construction and will be supported by 60-foot steel poles with fiberglass crossarms and suspension insulators. See attached framing unit drawing attached as Exhibit A.

The generator lead line extension will be approximately 500 feet. Preliminary arrangements are shown on Patterson & Dewar Engineers Site Layout attached to the Generation Application at Attachment E.

The terminal point for the generator lead line will be on the high side of the two main power transformers located on the south extent of the plant site and the 69kV LGE/KU substation located adjacent to the plant site.

The generator lead line will connect to LGE/KU's substation to a motor operated switch and metering interconnection proposed as a three-position ring bus.

Person Responsible: Doug Buresh

4. COMPLIANCE WITH NATIONAL ELECTRIC SAFETY CODE

REQUIREMENT: per KRS 278.714(2)(d): *A statement that the proposed electric transmission line and appurtenances will be constructed and maintained in accordance with accepted engineering practices and the National Electric Safety Code.*

COMPLIANCE: The proposed electric transmission line and appurtenances will be constructed and maintained in accordance with accepted engineering practices and the National Electrical Safety Code.

Person Responsible: Doug Buresh

5. PUBLIC NOTICE EVIDENCE

REQUIREMENT: per KRS 278.714(2)(e): *With respect to both electric transmission lines and carbon dioxide transmission pipelines, evidence that public notice has been given by publication in a newspaper of general circulation in the general area concerned. Public notice shall include the location of the proposed electric transmission line or carbon dioxide pipeline, shall state that the proposed line or pipeline is subject to approval by the board, and shall provide the telephone number and address of the Public Service Commission.*

COMPLIANCE:

Attachment B to the generation application shows the notice that was published in the *Messenger*, the newspaper of general circulation in the City of Madisonville and Hopkins County.

Person Responsible: Doug Buresh

6. PROOF OF SERVICE ON PUBLIC OFFICIALS

REQUIREMENT: per KRS 278.714(2)(f): *Proof of service of a copy of the application upon the chief executive officer of each county and municipal corporation in which the proposed electric transmission line or carbon dioxide transmission pipeline is to be located, and upon the chief officer of each public agency charged with the duty of planning land use in the general area in which the line or pipeline is proposed to be located.*

COMPLIANCE: A copy of the Siting Board application for the project was electronically transmitted to Madisonville, Kentucky Mayor Kevin Cotton, Hopkins County Judge/Executive Jack Whitfield, and Hopkins County Joint Planning Chair Janet Wyatt, on the date of electronic filing of this application.

Person Responsible: