

STATE OF NORTH DAKOTA
PUBLIC SERVICE COMMISSION

**Basin Electric Power Cooperative
Roundup-Kummer Ridge 345-kV Trans-Dunn & McKenzie
Siting Application**

Case No. PU-23-361

FINDINGS OF FACT, CONCLUSIONS OF LAW AND ORDER

March 5, 2024

Appearances

Chair Randy Christmann, Commissioner Julie Fedorchak, Commissioner Sheri Haugen-Hoffart.

Hope L. Hogan, Administrative Law Judge, Office of Administrative Hearings, 2911 North 14th Street, Suite 303, Bismarck, North Dakota 58503.

Brian L. Johnson, Special Assistant Attorney General, as Counsel for the North Dakota Public Service Commission, 600 E. Boulevard Avenue, Dept. 408, Bismarck, North Dakota 58505.

Anine A. Merkens, Attorney at Law, Basin Electric Power Cooperative, 1717 East Interstate Avenue, Bismarck, ND 58503.

Preliminary Statement

On December 15, 2023, Basin Electric Power Cooperative (Basin) filed a consolidated application for a certificate of corridor compatibility and a route permit (Application) concerning approximately 32.5 miles of 345-kV electric transmission line and associated facilities in Dunn and McKenzie Counties, North Dakota.

On January 4, 2024, the Commission found the application for a certificate of corridor compatibility and a route permit complete, and issued a Notice of Filing and Notice of Public Hearing (Notice) scheduling a hearing for February 16, 2024, at 8:30 am Mountain Time at the High Plains Community Center, 100 Fifth Avenue Southwest, Killdeer, North Dakota 58640.

The Notice identified the following issues to be considered with respect to the Application:

1. Will the location, construction, and operation of the proposed facilities produce minimal adverse effects on the environment and upon the welfare of the citizens of North Dakota?
2. Are the proposed facilities compatible with the environmental preservation and the efficient use of resources?
3. Will the proposed facility locations minimize adverse human and environmental impact while ensuring continuing system reliability and integrity and ensuring that energy needs are met and fulfilled in an orderly and timely fashion?

On February 16, 2024, the hearing was held as scheduled.

Having allowed all interested persons an opportunity to be heard and having heard, reviewed, and considered all testimony and evidence presented, the Commission makes the following findings of fact:

Findings of Fact

1. Basin is a North Dakota cooperative association authorized to do business in the State of North Dakota since May 5, 1961, as evidenced by the corporate papers filed with the Commission on January 27, 2023 (see Case No. PU-23-42).

Size, Type, and Preferred Location of Facility

2. The Project will consist of approximately 32.5 miles of new, 345-kV electric transmission line and associated facilities to be located in Dunn & McKenzie Counties, North Dakota. The Project will originate at the existing Roundup substation, located approximately 2.8 miles north of Killdeer in Dunn County, North Dakota, and terminate at the existing Kummer Ridge substation, located approximately 0.7 miles west of Johnson's Corner in McKenzie County, North Dakota (Project).
3. The Project consists of approximately 170 transmission structures including 109 single-pole and 61 H-frame steel structures. The Project will have drilled concrete piers for the majority of the structure foundations. The tangent H-frame structures will be directly embedded in the ground. Structure height will vary depending on the required span distances due to the topography from 70 to 175 feet tall.
4. Basin seeks a Project corridor that varies from 125 to 350 feet wide. The requested corridor is 150 feet wide for the Project. However, Basin has requested the corridor to be 125 feet wide from structure 73 to 76, 175 feet wide from structure 87 to 88, 92 to 94, and 118-119, 200 feet wide from structure 80 to 83 and 108 to 109, 225 feet wide from structure 89 to 90, 250 feet wide from structure 68 to 69, and 350 feet wide from structure 110 to 111 as depicted in Hearing Exhibit 6 (Survey Area).

5. The Project will use an aluminum conductor of 1.72 inches in diameter with a composite carbon fiber conductor core. The minimum conductor clearance to ground will be 30 feet at maximum operating conditions.
6. The total cost of the Project is estimated to be \$74 million.

Study of Preferred Location

7. Basin initiated correspondence seeking comments from the following federal, state and local agencies regarding the Project:
 - a. Federal: (1) Federal Aviation Administration; (2) U.S. Army Corps of Engineers; (3) U.S. Department of Defense; and (4) U.S. Fish and Wildlife Service; (5) Minot Air Force Base; (6) Grand Forks Air Force Base; (7) U.S. Forest Service; (8) U.S. Bureau of Indian Affairs; (9) U.S. Bureau of Land Management; (10) U.S. Department of Agriculture
 - b. State: (1) North Dakota Office of Attorney General; (2) North Dakota Department of Career and Technical Education; (3) Job Service of North Dakota; (4) North Dakota Aeronautics Commission; (5) North Dakota Department of Commerce; (6) North Dakota Department of Environmental Quality – Environmental Health Section; (7) North Dakota Department of Human Services; (8) North Dakota Department of Transportation; (9) North Dakota Department of Trust Lands; (10) North Dakota Energy Development Impact Office; (11) North Dakota Forest Service; (12) North Dakota Game and Fish Department; (13) North Dakota Geological Survey; (14) North Dakota Indian Affairs Commission; (15) North Dakota Industrial Commission; (16) North Dakota Labor Department; (17) North Dakota Office of the Governor; (18) North Dakota Parks and Recreation Department; (19) North Dakota Soil Conservation Committee; (20) North Dakota State Water Commission; (21) State Historical Society of North Dakota
 - c. Local: (1) Three Affiliated Tribes; (2) Western Area Water Supply Authority; (3) Dunn County Planning and Zoning Department; (4) Dunn County Weed Board; (5) McKenzie County Planning and Zoning Department; (6) McKenzie County Water Resources Board; (7) McKenzie County Weed Board; (8) Dunn County Weydahl Field Airport; (9) Watford City Municipal Airport
8. Basin Conducted surveys for wildlife, threatened and endangered species, critical habitats, wetlands, waterbodies across a one-mile wide area centered on the Project route (Study Area).
9. Basin conducted a Class I cultural resource literature search on the Study Area.
10. Basin conducted a Class III cultural resource inventory and various natural resource field surveys across the Survey Area. The North Dakota State Historic Preservation Office reviewed Basin's findings and concurred that there were no significant sites in the Study Area.

Siting Criteria

11. The Commission has developed criteria pursuant to North Dakota Century Code (NDCC) section 49-22-05.1 to guide the site, corridor, and route suitability evaluation and designation process. The criteria, as set forth in North Dakota Administrative Code (NDAC) section 69-06-08-02 are classified as Exclusion Areas, Avoidance Areas, Selection Criteria, and Policy Criteria.

12. Basin evaluated the Project with respect to the Exclusion, Avoidance, Selection, and Policy criteria of the Commission.

13. An Exclusion Area is a geographic area that must be excluded in the consideration of a route for a transmission facility. An Exclusion Area may be located within a corridor, but at no given point may such an area or areas encompass more than fifty percent of the corridor width unless there is no reasonable alternative.

14. Areas critical to the life stages of threatened or endangered species are Exclusion Areas. Basin identified suitable habitat for both the Dakota Skipper and the Northern Long-eared bat in the Survey Area. The Dakota Skipper's designated habitat is 13 miles or greater from the Survey Area, therefore a reasonable buffer exists to protect its designated habitat. The Northern Long-eared bat does not have designated habitat, however suitable habitat for the species exists within the Survey Area. Basin has committed to clearing trees during the timeframe recommended by the U.S. Fish and Wildlife Service, therefore minimizing impact to the species.

15. Basin's surveys did not identify any additional Exclusion Areas within the Survey Area.

16. An Avoidance Area is a geographical area that may not be considered in the routing of a transmission facility unless the applicant shows that, under the circumstances, there is no reasonable alternative. In determining whether an Avoidance Area should be designated for a transmission facility, the Commission may consider, among other things, the proposed management of adverse impacts, the orderly siting of facilities, system reliability and integrity, the efficient use of resources, and alternative routes.

17. Archeological sites are Avoidance Areas. Basin's surveys identified 18 archeological sites and four isolated finds within the Survey Area. Basin has designed the Project to avoid the archeological sites including a reasonable buffer to ensure the integrity of the sites.

18. Geologically unstable areas are Avoidance Areas. Basin's surveys identified several geologically unstable areas within the Survey Area. Basin has designed the Project to avoid geologically unstable areas to the extent practicable and has minimized

structure locations within the geologically unstable areas. Based upon the studies and surveys there is no reasonable alternative.

19. No other Avoidance Areas are located in the Survey Area. No other Avoidance Areas will be crossed by the proposed route.

20. In accordance with the Commission's Selection Criteria set forth in NDAC Section 69-06-08-02(3), a transmission facility corridor or route shall be approved only if it is demonstrated that any significant adverse effects that will result from the location, construction, and maintenance of the transmission facility will be at an acceptable minimum, or that those effects will be managed and maintained at an acceptable minimum.

21. Basin has analyzed the impacts of the Project in relation to all of the relevant Selection Criteria. No significant adverse impact will result from the location, construction, and operation of the Project.

22. The Commission's Policy Criteria are set forth in NDAC Section 69-06-08-02(4). The Commission may give preference to an applicant that will maximize benefits that result from the adoption of various policies and practices. There is no need for the Commission to give preference to the applicant in this proceeding.

Measures to Minimize Impact

23. Basin has agreed to a number of steps to mitigate the impact of the Project as indicated by the Certification Relating to Order Provisions – Transmission Facility Siting with accompanying Tree and Shrub Mitigation Specifications filed in this proceeding, which is incorporated by reference and attached to this Order.

24. Basin testified that it will implement Avian Power Line Interaction Committee best management practices to minimize avian collision risk the Project.

25. The Project will be constructed according to standards of the Rural Utilities Service, the National Electric Safety Code, the Institute of Electrical and Electronics Engineers, the American Society of Civil Engineers, the American Institute of Steel Construction and the American Concrete Institute.

26. Basin will implement the following erosion and sediment control mitigation measures for the Project: excess subsoils and rocks will be hauled off-site to an approved landfill; erosion and sediment controls will be established prior to construction and thereafter maintained and controlled through application of a storm water pollution prevention plan; where appropriate, silt fences or other sediment control measures will be used to prevent sediment from moving off-site; maintenance will be scheduled during periods of minimum precipitation; temporary laydown areas will be located in previously disturbed areas and/or areas previously surveyed for cultural and biological resources.

27. Basin will submit the line route to local emergency agencies prior to any construction so first responders will have GPS coordinates to the site. The Roundup and Kummer Ridge substations both have a 911 address that will be communicated to all contractors working on those sites. Basin Electric has an OSHA-based safety program supported by the Energy Coalition for Contractor Safety for all contractors that work for the Cooperative.

28. Basin has requested authorization from the Commission to clear trees wider than 50 feet from structure 40 to 41, 78 to 79, 119 to 120, 127 to 128, 133 to 135, 142 to 143, 154 to 155, and near structures 69, 92, 130 and 158 as depicted in Hearing Exhibit 6.

From the foregoing Findings of Fact the Commission makes the following conclusions of law:

Conclusions of Law

1. The Commission has jurisdiction over Basin Electric Power Cooperative (Basin) and the subject matter of these applications under North Dakota Century Code chapter 49-22.
2. Basin is a utility as defined in North Dakota Century Code section 49-22-03(13).
3. The Project proposed by Basin is an electric transmission facility as defined in North Dakota Century Code section 49-22-03(6).
4. The location, construction, and operation of the Project will produce minimal adverse effects on the environment and upon the welfare of the citizens of North Dakota.
5. The Project is compatible with the environmental preservation and the efficient use of resources.
6. The Project will minimize adverse human and environmental impact while ensuring continuing system reliability and integrity and ensuring that energy needs are met and fulfilled in an orderly and timely fashion.

From the Findings of Fact and Conclusions of Law, the Commission makes the following order:

Order

The Commission orders:

1. Basin's consolidated application for a certificate of corridor compatibility and a route permit is granted.

2. Certificate of Corridor Compatibility No. 232 is issued to Basin Electric Power Cooperative designating a corridor for the construction, operation, and maintenance of approximately 32.5 miles of 345-kV electric transmission line and associated facilities in Dunn and McKenzie Counties, North Dakota. For purposes of the Certificate, the designated corridor is 150 feet wide for the Project. However, the corridor is 125 feet wide from structure 73 to 76, 175 feet wide from structure 87 to 88, 92 to 94, and 118-119, 200 feet wide from structure 80 to 83 and 108 to 109, 225 feet wide from structure 89 to 90, 250 feet wide from structure 68 to 69, and 350 feet wide from structure 110 to 111 as depicted in Hearing Exhibit 6.
3. Route Permit No. 242 is issued to Basin Electric Power Cooperative designating a route for the construction, operation, and maintenance of approximately 32.5 miles of 345-kV electric transmission line and associated facilities in Dunn and McKenzie Counties, North Dakota. For purposes of the Permit, the designated route is the proposed route depicted in Hearing Exhibit No. 6.
4. The February 16, 2024 Certification Relating to Order Provisions – Transmission Facility Siting (Certification), with accompanying Tree and Shrub Mitigation Specifications, is incorporated by reference and attached to this Order.
5. Basin Electric Power Cooperative is authorized to clear trees wider than 50 feet from structure 40 to 41, 78 to 79, 119 to 120, 127 to 128, 133 to 135, 142 to 143, 154 to 155, and near structures 69, 92, 130 and 158 as depicted in Hearing Exhibit 6.
6. To the extent that there are any conflicts or inconsistencies between Basin Electric Power Cooperative's Application in this proceeding and the Certification, the Certification provisions control.
7. Basin Electric Power Cooperative shall obtain all other necessary licenses and permits prior to commencing construction on such portion of the Project for which the license and/or permit is required and shall provide copies of such licenses and permits to the Commission prior to construction.
8. Basin Electric Power Cooperative is required to comply with all applicable laws, rules, and/or regulations in the event it desires to construct another or a different transmission facility than was specified in the Application within the corridor granted in this proceeding.

PUBLIC SERVICE COMMISSION


Sheri Haugen-Hoffart
Commissioner


Randy Christmann
Chair


Julie Fedorchak
Commissioner

PUBLIC SERVICE COMMISSION
STATE OF NORTH DAKOTA

Certificate of Corridor Compatibility Number 232

This is to certify that the Commission has designated a transmission facility corridor for Basin Electric Power Cooperative for the construction, operation, and maintenance of approximately 32.5 miles of 345-kV electric transmission line and associated facilities in Dunn and McKenzie Counties, North Dakota.

This certificate is issued in accordance with the Order of the Commission dated March 5, 2024 in Case No. PU-23-361 and is subject to the conditions and limitations noted in the Order.

Bismarck, North Dakota, March 5, 2024.

ATTEST:

PUBLIC SERVICE COMMISSION



Executive Secretary



Commissioner

**PUBLIC SERVICE COMMISSION
STATE OF NORTH DAKOTA**

Route Permit Number 242

This is to certify that the Commission has designated a transmission facility route for Basin Electric Power Cooperative for the construction, operation, and maintenance of approximately 32.5 miles of 345-kV electric transmission line and associated facilities in Dunn and McKenzie Counties, North Dakota.

This permit is issued in accordance with the Order of this Commission dated March 5, 2024, in Case No. PU-23-361 and is subject to the conditions and limitations noted in the Order.

Bismarck, North Dakota, March 5, 2024.

ATTEST:

PUBLIC SERVICE COMMISSION



Executive Secretary



Commissioner

**STATE OF NORTH DAKOTA
PUBLIC SERVICE COMMISSION**

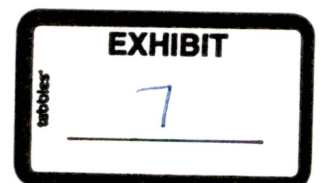
**Basin Electric Power Cooperative
Roundup-Kummer Ridge 345-kV Trans-Dunn & McKenzie
Siting Application**

Case No. PU-23-361

**CERTIFICATION RELATING TO ORDER PROVISIONS
TRANSMISSION FACILITY SITING**

I am ROBERT NARJET, a representative of Basin Electric Power Cooperative ("Company") with authority to bind Basin Electric Power Cooperative to requirements to be set forth by the Commission in its Order and I certify the following:

1. Company understands and agrees that any Certificate of Corridor Compatibility or Route Permit issued by the Commission will be subject to the conditions and criteria set forth in Chapter 49-22 of the North Dakota Century Code and Chapter 69-06-08 of the North Dakota Administrative Code, and that Company shall be responsible for compliance with this order and conditions and criteria set forth in the applicable laws and rules.
2. Company agrees to comply with the rules and regulations of all other agencies having jurisdiction over any phase of the transmission facility including all city, township, and county zoning regulations.
3. Company understands and agrees that it shall obtain all other necessary licenses and permits, and shall provide copies of all licenses and permits to the Commission prior to construction activity associated with the transmission facility that requires said license or permit.
4. Company understands and agrees that any Certificate of Corridor Compatibility or Route Permit issued by the Commission is subject to suspension or revocation and may, in an appropriate and proper case, be suspended or revoked for failure to comply with the Commission's order, the conditions and criteria of the certificate or subsequent modification, or failure to comply with the applicable statutes, rules, regulations, standards, and permits of other state or federal agencies.
5. Company agrees to maintain records that will demonstrate that it has complied with the requirements of the Commission's order issuing a Certificate of Corridor Compatibility or Route Permit, and that it will preserve these records for Commission inspection at any reasonable time upon reasonable notice.
6. Company understands and agrees that the authorizations granted by any Certificate of Corridor Compatibility or Route Permit issued by the Commission for the transmission facility are subject to modification by order of the Commission if deemed necessary to protect further the public or the environment.



Construction:

7. Company agrees to hold a preconstruction conference prior to commencement of any construction, which must include a Company representative, its construction supervisor, and a representative of Commission Staff, to ensure that Company fully understands the conditions set forth in the Commission's order.
8. Company understands and agrees that all cultural resource mitigation plans must be submitted to the North Dakota State Historic Preservation Office and approved prior to the start of any fieldwork and construction activity in the affected area.
9. Company understands and agrees that topsoil removal will begin when the Commission's third-party construction inspector is present at the Project site to observe that topsoil is properly removed and kept segregated from subsoil until replacement occurs. Company shall establish the date and time for the Commission's third-party construction inspector's topsoil removal oversight in the preconstruction conference.
10. Company agrees to inform the Commission and the Commission's third-party construction inspector of its intent to start construction on the transmission facility prior to the commencement of construction. Once construction has started, Company shall keep the Commission and the Commission's third-party construction inspector updated on construction activities on a monthly basis.
11. Company understands and agrees that all topsoil, up to 12 inches, or topsoil to the depth of cultivation, whichever is greater, over and along trench areas where cuts will be made, must be carefully stripped and segregated from the subsoil. Any area on which excavated subsoil will be placed must also be stripped of topsoil. The stripped topsoil must not be stockpiled in natural drainages, and must be protected from water erosion. Care must be taken to protect topsoil from unnecessary compaction by heavy machinery. Unless otherwise approved by the Commission, topsoil must be removed before topsoil freezes in the late fall/ early winter to the point that frost inhibits proper soil segregation. After backfilling with subsoil is completed, any excess subsoil must be placed over the excavation area, blending the grade into existing topography. Topsoil must be replaced over areas from which it was stripped only after the subsoil is replaced.
12. Company understands and agrees that all buried facility crossings of graded roads must be bored unless the responsible governing agency specifically permits Company to open cut the road.
13. Company understands and agrees that staging areas or equipment shall not be located on land owned by a person other than Company unless otherwise negotiated with landowners.
14. Company understands and agrees that if any cultural resource, paleontological site, archeological site, historical site, or grave site is discovered during construction, it

must be marked, preserved and protected from further disturbances until a professional examination can be made and a report of such examination is filed with the Commission and the State Historical Society.

15. Company understands and agrees that construction must be suspended when weather conditions are such that construction activities will cause irreparable damage to roads or land, unless adequate protection measures are taken by Company.
16. Company understands and agrees that the Commission has authority to stop Project construction activities in the event of a probable violation of the siting laws, siting rules, or applicable Commission Orders if, in the opinion of the Commission, construction activities are likely to result in irreparable or significant harm.

Restoration and Maintenance:

17. Company understands and agrees that it shall, as soon as practicable upon the completion of the construction of the transmission facility, restore the area affected by the activities to as near as is practicable to the condition as it existed prior to the beginning of construction.
18. Company understands and agrees that all pre-existing township and county roads and lanes used during construction must be repaired or restored to a condition that is equal to or better than the condition prior to the construction of the transmission facility and that will accommodate their previous use, and that areas used as temporary roads or working areas during construction must be restored to their original condition.
19. Company understands and agrees that reclamation, fertilization, and reseeding is to be done according to the Natural Resources Conservation Service recommendations, unless otherwise specified by the landowner and approved by the Commission.
20. Company will fulfill its obligation for reclamation and maintenance of the approved transmission facility right-of-way, transmission facility, and associated facilities continuing throughout the life of the transmission facility.
21. Company will repair all fences and gates removed or damaged during all phases of construction and operation of the transmission facility.
22. Company will repair or replace all drainage tile broken or damaged as a result of construction and operation of the transmission facility.
23. Company agrees to comply with the Tree and Shrub Mitigation Specifications, attached.

24. Company understands and agrees that it shall work with landowners and residents to mitigate any increase in television and residential radio interference that results from the construction of the transmission facility.
25. Company understands and agrees that it shall remove all waste that is a product of construction and operation, restoration, and maintenance of the site, and properly dispose of it on a regular basis.
26. Company understands and agrees that it shall provide any necessary safety measures for traffic control or to restrict public access to the transmission facility.

Communication with Landowners and PSC:

27. Company understands and agrees that, prior to beginning construction of the transmission facility at a location, it shall send a letter to each landowner with whom an easement was executed for that location specifying the name and phone number of the company representative who is responsible for receiving and resolving landowner issues for the life of the easement.
28. Company understands and agrees that it will file with the commission the name and phone number of the current company representative who is responsible for receiving and resolving landowner issues for the transmission facility. The company will update this information whenever there is a change to the current company representative for the life of all easements for the transmission facility.
29. Upon request, Company agrees to provide the Commission with engineering design drawings of the transmission facility prior to construction.
30. Company understands and agrees that it shall advise the Commission as soon as reasonably possible of any extraordinary events which take place at the site of the transmission facility, including injuries to any person.
31. Company agrees to report to the Commission, as soon as reasonably possible, the presence in the permit area of any critical habitat or threatened or endangered species of which Company becomes aware and which were not previously reported to the Commission.
32. Company understands and agrees that it shall inform the Commission in writing of any plans to modify the transmission facility or of any plans to modify the site plan for the transmission facility.
33. Company agrees to provide the Commission with both an electronic and a paper copy of the corridor approved by the Commission and the facility design specifications for the construction of the transmission facility showing the location of the transmission facility as built, and will provide this information within 3 months of the completion of the construction. Company also agrees to provide an electronic

version of the corridor approved by the Commission and the facility design specifications for the construction of the transmission facility showing the location of the transmission facility as built that can be imported into ESRI GIS mapping software within 3 months of the completion of the construction. This electronic map data must be referenced to the North Dakota coordinate system of 1983, North and/or South zones US Survey feet (NAD 83) UTM Zone 13N or 14N feet (NAD 83), or geographic coordinate system (WGS 84) feet. The vertical data must be in the appropriate vertical datum for the coordinate system used. All submissions must specify the datum in which the data was developed.

34. Company shall notify the Commission as soon as reasonably possible if any damage, as defined by North Dakota Century Code Chapter 49-23, occurs to underground facilities during construction conducted under the certificate or permit issued in this proceeding. In the event of any damage to underground facilities, Company shall suspend construction in the vicinity of the damage until compliance with One-Call Excavation Notice System requirements under North Dakota Century Code Chapter 49-23 has been determined.

Route Adjustments Before or During Construction:

Route Adjustments Before or During Construction:

36. Company agrees to utilize the following procedures if Company seeks a route adjustment before or during construction of the transmission line.
37. Company will file the name and contact information for a key contact person for the purposes of notice and communication during the adjustment application.
38. **ROUTE ADJUSTMENT WITHIN DESIGNATED CORRIDOR, NO AVOIDANCE AREA AFFECTED:** Before conducting any construction activities for any adjustment to the designated route within the designated corridor, the Company will file:
 - a. Certification and supporting documentation affirming that construction activities will be within the designated corridor, will not affect any known exclusion or avoidance areas within the designated corridor;
 - b. Certification and supporting documentation, including a map meeting the requirements of N.D. Admin. Code § 69-06-04-01(2)(n) identifying the designated corridor, route and the route adjustment;
 - c. Certification that Company will comply with the Commission's order, law and rules designating the corridor and route.
39. **ROUTE ADJUSTMENT WITHIN DESIGNATED CORRIDOR, AVOIDANCE AREA AFFECTED:** Before adjusting the route of an electric transmission line within the designated corridor that may affect an avoidance area, and before conducting any construction activities for any adjustment to the designated route within the designated corridor, the Company will file:

- a. A specific description of the avoidance area expected to be impacted, including a map meeting the requirements of N.D. Admin. Code § 69-06-04-01(2)(n) identifying:
 - i. the designated corridor, route and the route adjustment;
 - ii. all exclusion and avoidance areas within the portion of the designated corridor containing the route adjustment
- b. Certification and supporting documentation affirming:
 - i. That construction activities will be within the designated corridor
 - ii. That construction activities will not affect any known exclusion area
- c. All field studies performed on the portion of the designated corridor containing the route adjustment;
- d. Specific information about any mitigation measures Company will take within the adjustment area;
- e. Certification that each owner of real property on which the adjustment is to be located and any applicable governmental entity with an interest in the same adjustment area do not oppose the adjustment;
- f. Certification that unless the Commission previously authorized the impact to the same avoidance area, that the utility has good cause and a specific reason to impact the avoidance area and a reasonable alternative does not exist;
- g. Certification that Company will comply with the Commission's order, law and rules designating the corridor and route.


40. **ROUTE ADJUSTMENT OUTSIDE DESIGNATED CORRIDOR, NO AVOIDANCE AREA AFFECTED:** Before adjusting the route of an electric transmission line outside the designated corridor and not affecting any exclusion and avoidance area, before conducting any construction activities for any adjustment to the designated route outside the designated corridor, the Company will file:
- a. Certification and supporting documentation affirming that construction activities will not affect any known exclusion or avoidance areas,
 - b. Certification and supporting documents stating the length of the proposed route outside of the corridor and a map meeting the requirements of N.D. Admin. Code § 69-06-04-01(2)(n) identifying the designated corridor, corridor adjustment, designated route and the route adjustment;
 - c. Certification that each owner of real property on which the adjustment is to be located and any applicable governmental entity with an interest in the same adjustment area do not oppose the adjustment; and
 - d. Detailed field studies indicating exclusion and avoidance areas for the proposed adjustment area; and
 - e. Certification that Company will comply with the Commission's order, law and rules designating the corridor and route.
41. **ROUTE ADJUSTMENT OUTSIDE DESIGNATED CORRIDOR, AVOIDANCE AREA AFFECTED:** Before adjusting the route of an electric transmission line outside the designated corridor that may affect an avoidance area, and before conducting any construction activities for any adjustment to the designated route outside the designated corridor, the Company will file:
- a. A specific description of the avoidance area expected to be impacted, including a map meeting the requirements of N.D. Admin. Code § 69-06-04-01(2)(n) identifying:
 - i. the designated corridor, corridor adjustment, route and the route adjustment;
 - ii. all exclusion and avoidance areas within the adjustment area
 - b. Certification that construction activities will not affect any known exclusion area;
 - c. Certification that the utility has good cause and a specific reason to impact the avoidance area and a reasonable alternative does not exist within the designated corridor and route;
 - d. Certification that each owner of real property on which the adjustment is to be located and any applicable governmental entity with an interest in the same adjustment area do not oppose the adjustment;
 - e. Provide specific information about any mitigation measures Company will take within the adjustment area;
 - f. Detailed field studies indicating exclusion and avoidance areas for the proposed adjustment area; and
 - g. Certification that Company will comply with the Commission's order, law and rules designating the corridor and route.

Company acknowledges and agrees that:

42. When applicable, Company may submit the field studies from the original application for the corridor and route provided they cover the adjustment area.
43. Company acknowledges and agrees that written authorization from the Commission for impacting the avoidance area is necessary prior to commencement of construction activity.

Dated this 16 day of FEBRUARY, 2024.

BASIN ELECTRIC POWER COOPERATIVE

By 

Its _____

**STATE OF NORTH DAKOTA
PUBLIC SERVICE COMMISSION**

**Basin Electric Power Cooperative
Roundup-Kummer Ridge 345-kV Trans-Dunn & McKenzie
Siting Application**

Case No. PU-23-361

Tree and Shrub Mitigation Specifications

Inventory

Prior to cutting or clearing trees or shrubs for construction:

- All trees one-inch or greater in diameter at breast height must be inventoried to record the location, number, and species.
- All shrubs and all coniferous trees of any diameter must be inventoried to record the location, number, and species.

Clearing

The maximum width of tree and shrub removal is 50 feet, unless otherwise approved by the Commission.

Replacement

1. Landowners must be given the option to have trees and shrubs that are removed from their property replaced on their property. The landowner may waive this option in writing. If the landowner waives this option, the company shall plant replacement trees and shrubs in an alternate location in the same region, if practical.
2. Trees and shrubs must be replaced on a minimum two-to-one basis. The company shall develop a Tree and Shrub Mitigation Plan (Plan) in consultation with landowners who are seeking replacement trees and shrubs and in accordance with USDA-NRCS-North Dakota Field Office Technical Guide: Windbreak and Woodland Tree Care and Management. The guidelines outlined in the Technical Guide shall be followed until filing of the Plan summary outlined in number 5 below.
3. The purpose of the company's Tree and Shrub Mitigation Plan is to create sustainable plantings, appropriate for the local soil and growing conditions that will provide long-term benefit to landowners, farmers and ranchers, the community, wildlife and the environment.
4. The Plan, including the proposed number, variety, type, location, and approximate date for plantings, shall be filed with and approved by the Commission.
5. Two years after completion of the plan, the company must file a summary documenting how the plan achieved the purpose outlined in number 3 above. The summary must also report the number of surviving replacement trees and shrubs.
6. The Commission will consider, on a limited basis as conditions warrant, mitigation plans that provide long-term wildlife habitat and conservation benefits but do not involve the replanting of trees and shrubs.