



WBI ENERGY TRANSMISSION, INC.

Wahpeton Expansion Project

**Resource Report 8
Land Use, Recreation, and Aesthetics**

Draft

**Docket No.
PF21-4-000**

March 2022

**WBI ENERGY TRANSMISSION, INC.
WAHPETON EXPANSION PROJECT
RESOURCE REPORT 8—LAND USE, RECREATION, AND AESTHETICS**

Minimum Filing Requirements For Environmental Reports:	Addressed In:
<p>1. Describe the width and acreage requirements of all construction and permanent rights-of-way and the acreage required for each proposed plant and operational site, including injection or withdrawal wells.</p> <ul style="list-style-type: none"> i. List, by milepost, locations where the proposed right-of-way would be adjacent to existing rights-of-way of any kind. ii. Identify, preferably by diagrams, existing rights-of-way that would be used for a portion of the construction or operational right-of-way, the overlap and how much additional width would be required. iii. Identify the total amount of land to be purchased or leased for each aboveground facility, the amount of land that would be disturbed for construction and operation of the facility, and the use of the remaining land not required for project operation. iv. Identify the size of typical staging areas and expanded work areas, such as those at railroad, road, and waterbody crossings, and the size and location of all pipe storage yards and access roads — 18 Code of Federal Regulations (“CFR”) § 380.12(j)(1). 	Section 8.2 and appendix 1D of Resource Report 1
<p>2. Identify, by milepost, the existing use of lands crossed by the proposed pipeline, or on or adjacent to each proposed plant and operational site—18 CFR § 380.12(j)(2).</p>	Section 8.2 and table 8.2-1
<p>3. Describe planned development on land crossed or within 0.25 mile of proposed facilities, the time frame (if available) for such development, and proposed coordination to minimize impacts on land use. Planned development means development which is included in a master plan or is on file with the local planning board or the county—18 CFR § 380.12(j)(3).</p>	Section 8.5
<p>4. Identify, by milepost and length of crossing, the area of direct effect of each proposed facility and operational site on sugar maple stands, orchards and nurseries, landfills, operating mines, hazardous waste sites, state wild and scenic rivers, state or local designated trails, nature preserves, game management areas, remnant prairie, old-growth forest, national or state forests, parks, golf courses, designated natural, recreational or scenic areas, or registered natural landmarks, Native American religious sites and traditional cultural properties to the extent they are known to the public at large, and reservations, lands identified under the Special Area Management Plan of the Office of Coastal Zone Management, National Oceanic and Atmospheric Administration, and lands owned or controlled by federal or state agencies or private preservation groups. Also identify if any of those areas are located within 0.25 mile of any proposed facility—18 CFR § 380.12(j)(4).</p>	Sections 8.4, 8.7, 8.8, 8.9, and 8.10
<p>5. Identify, by milepost, all residences and buildings within 50 feet of the proposed pipeline construction right-of-way and the distance of the residence or building from the right-of-way. Provide survey drawings or alignment sheets to illustrate the location of the facilities in relation to the buildings—18 CFR § 380.12(j)(5).</p>	Not applicable; see section 8.5
<p>6. Describe any areas crossed by or within 0.25 mile of the proposed pipeline or plant and operational sites which are included in, or are designated for study for, inclusion in: The National Wild and Scenic Rivers System (Title 16 United States Code part 1271); The National Trails System (16 United States Code 1241); or a wilderness area designated under the Wilderness Act (16 United States Code 1132)—18 CFR § 380.12(j)(6).</p>	Section 8.9
<p>7. For facilities within a designated coastal zone management area, provide a consistency determination or evidence that the applicant has requested a consistency determination from the state's coastal zone management program—18 CFR § 380.12(j)(7).</p>	Not Applicable
<p>8. Describe the impact the project will have on present uses of the affected area as identified above, including commercial uses, mineral resources, recreational areas, public health and safety, and the aesthetic value of the land and its features. Describe any temporary or permanent restrictions on land use resulting from the project—18 CFR § 380.12(j)(8).</p>	Sections 8.3, 8.3, 8.5, 8.9, and 8.11
<p>9. Describe mitigation measures intended for all special use areas identified under paragraphs (j) (2) through (6) of this section—18 CFR § 380.12(j)(9).</p>	Sections 8.3, 8.4, 8.7, 8.8, 8.9, and 8.10

10. Describe proposed typical mitigation measures for each residence that is within 50 feet of the edge of the pipeline construction right-of-way, as well as any proposed residence-specific mitigation. Describe how residential property, including for example, fences, driveways, stone walls, sidewalks, water supply, and septic systems, would be restored. Describe compensation plans for temporary and permanent rights-of-way and the eminent domain process for the affected areas—18 CFR § 380.12(j)(10).	Section 8.5
11. Describe measures proposed to mitigate the aesthetic impact of the facilities especially for aboveground facilities such as compressor or meter stations—18 CFR § 380.12(j)(11).	Not Applicable; see section 8.11
12. Demonstrate that applications for rights-of-way or other proposed land use have been or soon will be filed with federal land-managing agencies with jurisdiction over land that would be affected by the project - 18 CFR § 380.12(j)(12)	Section 8.10
Additional Information:	
Identify all buildings within 50 feet of the construction right-of-way or extra work areas.	Not applicable; see section 8.5
Describe the management and use of all public lands that would be crossed	Sections 8.4, 8.7, 8.8, 8.9, and 8.10
Provide a list of landowners by milepost or tract number that corresponds to information on alignment sheets	Appendix 1H of Resource Report 1
Provide a site-specific construction plan for residences within 25 feet of construction or as requested by Federal Energy Regulatory Commission staff	Not applicable; see section 8.5

**WBI ENERGY TRANSMISSION, INC.
WAHPETON EXPANSION PROJECT
RESOURCE REPORT 8—LAND USE, RECREATION, AND AESTHETICS**

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ACRONYMS AND ABBREVIATIONS

ACEP	Agricultural Conservation Easement Program
ATWS	additional temporary workspace
CFR	Code of Federal Regulations
FERC	Federal Energy Regulatory Commission
FERC Plan	FERC's <i>Upland Erosion Control, Revegetation, and Maintenance Plan</i>
FERC Procedures	FERC's <i>Wetland and Waterbody Construction and Mitigation Procedures</i>
MDU	Montana-Dakota Utilities Company
MP	milepost
MRLC	Multi-Resolution Land Characteristics
NDDOT	North Dakota Department of Transportation
NDPRD	North Dakota Parks and Recreation District
NPS	National Park Service
NRCS	Natural Resources Conservation Service
PLOTS	Private Land Open to Sportsmen
Project	Wahpeton Expansion Project
RFFA	reasonable or foreseeable future actions
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
WBI Energy	WBI Energy Transmission, Inc.

**WBI ENERGY TRANSMISSION, INC.
WAHPETON EXPANSION PROJECT**

8.0 RESOURCE REPORT 8—LAND USE, RECREATION, AND AESTHETICS

WBI Energy Transmission, Inc. (WBI Energy) proposes to construct, modify, and operate the Wahpeton Expansion Project (Project). The Project will involve the construction of approximately 60.6 miles of 12-inch-diameter natural gas pipeline from WBI Energy's existing Mapleton Compressor Station near Mapleton, North Dakota to a new Montana-Dakota Utilities Company (MDU) delivery station near Wahpeton, North Dakota. The Project will also include minor modifications at the Mapleton Compressor Station; a new MDU delivery station near Kindred, North Dakota; new block valve settings; and new pig launcher/receiver settings. The Project may also include newly constructed farm taps along the pipeline route. The proposed Project facilities will be located in Cass and Richland Counties, North Dakota. Figure 1.1-1 of Resource Report 1 provides an overview of the proposed pipeline and associated facilities.

In accordance with Title 18 of the Code of Federal Regulations Part 380.12(j), Resource Report 8 addresses land use affected by construction and operation of the proposed Project through characterization and quantifying land use types and identifying recreational and visual resources. Impacts on these resources are analyzed and mitigation measures are proposed to minimize these impacts. Land use data in this resource report was compiled using a variety of sources—including environmental field surveys, aerial imagery, and Multi-Resolution Land Characteristics (MRLC) Consortium national land cover data and quadrangle maps. Refer to Resource Report 1 for a detailed Project description.

8.1 LAND USE CLASSIFICATIONS

Land uses crossed by the proposed Project will be classified based on information obtained from the 2019 MRLC Consortium national land cover database and review of current digital aerial photography and ground surveys. Land use types within the Project area were divided into the following categories:

- agricultural land—actively cultivated cropland, working areas within farms, pastures used for grazing, and hayfields;
- open land—non-forested areas such as grassland and shrubland;
- forest land—hedgerows, wooded upland, and tree stands adjacent to wetlands;
- developed land—industrial, commercial, and residential land and existing roads, railroads, and utility lines; and
- open water—standing surface waters and emergent wetlands.

8.2 LAND USE REQUIREMENTS

Existing land uses within the construction and operational footprints of the Project—including the permanent and temporary pipeline right-of-way, additional temporary workspace (ATWS), contractor yards, permanent and temporary access roads, and aboveground facilities—

are summarized in table 8.2-1. A more detailed description of land uses within the Project area is provided in sections 8.2.1 through 8.2.5. The Project will impact approximately 774.2 acres of land in total. Approximately 372.5 acres of this land will be located within the permanent right-of-way of the pipeline or operational footprints of aboveground facilities. The majority of this land (over 90 percent) is agricultural land.

8.2.1 Pipeline Right-of-Way

WBI Energy is proposing to use a standard 75-foot-wide construction right-of-way in both uplands and wetlands for the proposed 12-inch-diameter pipeline. However, in limited, non-wetland areas, this construction right-of-way width may be expanded by up to 25 feet to provide sufficient workspace to accommodate topsoil storage while allowing safe passage of construction equipment and material along the working side of the right-of-way during construction.

As shown in the drawings provided in appendix 1C of Resource Report 1, the construction right-of-way typically will consist of a 50-foot-wide working side and a 25-foot-wide spoil side for the standard 75-foot-wide construction right-of-way. Following construction, a 50-foot-wide permanent easement (25 feet on either side of the pipeline centerline) will be retained for pipeline operations. The construction right-of-way will be restored to pre-disturbance conditions following construction.

TABLE 8.2-1

Wahpeton Expansion Project
Land Uses Affected by Construction and Operation of the Project (in acres) ^{a, b, c}

Facility/County/Workspace	Agricultural		Open Land		Forest		Developed		Open Water		Total	
	Const.	Oper.	Const.	Oper.	Const.	Oper.	Const.	Oper.	Const.	Oper.	Const.	Oper.
Cass County												
Pipeline Facility												
Wahpeton Expansion Pipeline	218.4	146.2	0.0	0.0	0.3	0.3	3.3	2.3	0.6	0.5	222.6	149.3
ATWS	37.8	0.0	0.0	0.0	0.0	0.0	0.7	0.0	<0.1	0.0	38.5	0.0
Aboveground Facilities												
Mapleton Compressor Station	2.8	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	2.9	0.0
MDU—Kindred Border Station	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
Valve Site #2	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.1
Access Roads	7.5	0.2	0.0	0.0	0.0	0.0	0.5	<0.1	0.1	0.0	8.1	0.2
Contractor Yards												
Kindred Yard	3.6	0.0	0.3	0.0	0.2	0.0	<0.1	0.0	0.0	0.0	4.1	0.0
Kost Yard	26.2	0.0	1.6	0.0	0.0	0.0	18.3	0.0	3.8	0.0	49.9	0.0
Subtotal	298.6	148.1	2.0	0.0	0.5	0.3	22.8	2.3	4.6	0.5	328.5	151.2
Richland County												
Pipeline Facility												
Wahpeton Expansion Pipeline	302.1	202.1	8.5	5.7	1.9	1.6	4.0	2.6	8.0	5.3	324.5	217.2
ATWS	40.4	0.0	1.0	0.0	0.7	0.0	1.3	0.0	0.3	0.0	43.7	0.0
Aboveground Facilities												
MDU—Wahpeton Border Station	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
Valve Site #4	0.4	<0.1	0.0	0.0	0.0	0.0	0.1	0.0	<0.1	0.0	0.5	<0.1
Valve Site #5	0.7	0.1	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	1.0	0.1
Valve Site #6	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1
Access Roads	4.0	0.8	0.3	0.0	0.4	0.1	3.0	1.4	0.3	0.1	7.9	2.4
Contractor Yards												
Comstock Yard	22.8	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.6	0.0	23.9	0.0

TABLE 8.2-1

**Wahpeton Expansion Project
Land Uses Affected by Construction and Operation of the Project (in acres) ^{a, b, c}**

Facility/County/Workspace	Agricultural		Open Land		Forest		Developed		Open Water		Total	
	Const.	Oper.	Const.	Oper.	Const.	Oper.	Const.	Oper.	Const.	Oper.	Const.	Oper.
Wahpeton City Yard	31.3	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	32.1	0.0
Wahpeton Yard	0.0	0.0	0.0	0.0	0.0	0.0	9.6	0.0	0.8	0.0	10.4	0.0
Subtotal	403.5	204.6	9.7	5.7	3.0	1.7	19.7	4.0	9.9	5.4	445.8	221.4
SUBTOTALS BY FACILITY TYPE												
Pipeline Facility	520.2	348.1	8.5	5.7	2.2	1.9	7.2	4.9	8.6	5.8	546.7	366.3
ATWS	78.2	0.0	1.0	0.0	0.7	0.0	2.0	0.0	0.3	0.0	82.2	0.0
Aboveground Facilities	8.4	3.6	0.0	0.0	0.0	0.0	0.4	0.0	<0.1	0.0	8.8	3.6
Access Roads	11.5	1.0	0.3	0.0	0.4	0.1	3.5	1.4	0.5	0.1	16.0	2.6
Contractor Yards	83.9	0.0	1.9	0.0	0.2	0.0	29.4	0.0	5.2	0.0	120.5	0.0
PROJECT TOTAL	702.2	352.7	11.7	5.7	3.5	2.0	42.5	6.3	14.6	5.9	774.2	372.5

^a The numbers in this table will be rounded for presentation purposes. As a result, the totals may not reflect the sum of the addends.

^b Block valve setting #1 will be constructed and operated within the Mapleton Compressor Station site. Valve settings #3 and #7 will be constructed and operated within the construction and operational footprints of the MDU—Kindred Border Station and the MDU—Wahpeton Border Station, respectively. The construction and operational acreages for these valve settings are included within the acreages for the Mapleton Compressor Station, MDU—Kindred Border Station, and the MDU—Wahpeton Border Station. A pig launcher/receiver will be collocated at Valve Sites #1, #2, #5 and #7.

^c Const. = construction; Oper. = operational

As shown in table 8.2-1, the construction right-of-way for the proposed pipeline will require approximately 546.7 acres of land, including approximately 520.2 acres of agricultural land (95 percent), 8.6 acres of open water (2 percent), 8.5 acres of open land (2 percent), 7.2 acres of developed land (1 percent), and 2.2 acres of forested land (less than 1 percent). Following construction, WBI Energy will retain a 50-foot-wide permanent easement for operation of the pipeline. All areas will revert to preconstruction condition and use; however, 366.3 acres will be encumbered by a permanent easement including approximately 348.1 acres of agricultural land (95 percent), 5.8 acres of open water (2 percent), 5.7 acres of open land (2 percent), 4.9 acres of developed land (1 percent), and 1.9 acres of forested land (less than 1 percent). The majority of the open water acres are associated with proposed guided bore crossings and a permanent right-of-way will not be maintained at these crossings. Approximately 180.6 acres of temporary construction right-of-way will revert to preconstruction condition and use. Only 0.3 acre of forested land will be permanently affected by operation of the pipeline.

While routing the proposed pipeline, WBI Energy sought opportunities to collocate the pipeline with existing linear corridors (i.e., roads, utilities, and property lines) to minimize impacts on the environment. The proposed pipeline will be collocated (within 150 feet of) along 31.0 miles of the route or 51 percent of its length. More information, including a summary table of collocated facilities, can be found in appendix 1D of Resource Report 1.

8.2.2 Additional Temporary Workspace

ATWS outside of the 75-foot construction right-of-way will be required for certain road crossings, points of intersection along the route, areas where special construction methods will be implemented (e.g., the guided bore method), and areas where additional space is needed for storage of stripped topsoil. Unless topographic or other factors impose constraints, ATWS will be set back at least 50 feet from the edges of waterbodies and wetlands except where the adjacent upland consists of actively cultivated or rotated cropland or other disturbed land. The ATWS locations are provided in appendix 8A and depicted on the route maps provided in appendices 1A and 1B of Resource Report 1.

Approximately 82.2 acres of land will be required for ATWS during Project construction in total—including 78.2 acres of agricultural land (95 percent), 2.0 acres of developed land (2 percent), 1.0 acre of open land (1 percent), 0.7 acre of forested land (less than 1 percent), and 0.3 acre of open water (less than 1 percent). Impacts on ATWS will be temporary. Following construction, all ATWS areas will be restored to their preconstruction conditions and uses; therefore, no permanent impacts on land use will result from the use of ATWS areas.

8.2.1 Contractor Yards

WBI Energy has proposed five contractor yards for office trailers, parking, vehicle maintenance, and storage of pipe and equipment during Project construction. Locations of the contractor yards are depicted on the Project route maps provided as appendix 1A of Resource Report 1. As shown in table 8.2-1, the contractor yards collectively encompass about 120.5 acres of land—consisting of 83.9 acres of agricultural lands (70 percent), 29.4 acres of developed land (24 percent), 5.2 acres of open water (4 percent), 1.9 acres of open land (2 percent), and 0.2 acre of forest land (less than 1 percent).

Preparation of the contractor yards will consist of minor grading and leveling; however, these impacts will be temporary. Once construction is completed, the land within the contractor

yards will be restored to preconstruction conditions and returned to preconstruction land uses in accordance with landowner agreements. There will be no permanent impacts on these sites.

8.2.2 Access Roads

WBI Energy will use existing public and private access roads on a temporary basis to transport personnel, equipment vehicles, and materials to the proposed Project work areas during construction. Standard-maintenance public roads will be used for access without modification or improvement. Some minimum maintenance public roads and private roads may require improvements (such as grading, blading, and placement of gravel for stability) to safely accommodate Project equipment and vehicles. New permanent access roads will be built to the new MDU—Kindred Border Station, to the new MDU—Wahpeton Border Station, and to four block valve setting and pig launcher/receiver sites not collocated with a compressor or MDU Border Station. New roads to the MDU—Kindred Border Station and the MDU—Wahpeton Border Station will be gravel. The new roads to the block valve setting and pig launcher/receiver sites will be gravel and/or dirt. Locations of access roads are depicted on the Project route maps provided as appendix 1A of Resource Report 1 and a list of access roads is provided in appendix 8B of this resource report.

Temporary access road land uses based on the MRLC Consortium national land cover data comprise a mixture of agricultural lands, open lands, developed land, forested land and open water. Aside from the 2.6 acres required for the 7 proposed permanent access roads, all access roads will be restored to preconstruction conditions or better. As a result, the Project will have minor impacts on these areas.

8.2.3 Aboveground Facilities

WBI Energy proposes to make modifications at its existing Mapleton Compressor Station at milepost (MP) 0.0. Modifications are within WBI Energy's Mapleton Compressor Station owned property boundaries and will take place within an existing fence line. This construction will require approximately 2.9 acres of land consisting of agricultural and developed land.

The Project will also require construction of two new MDU Border Stations—one near Kindred, North Dakota and the other near Wahpeton, North Dakota. Construction of these MDU Border Stations will require approximately 3.3 acres of land, 1.7 acres for the MDU—Kindred Border Station and 1.7 acres for the MDU—Wahpeton Border Station, consisting of agricultural land¹. All 3.3 acres of agricultural land will be retained for use during Project operation resulting in the conversion of agricultural land to developed land.

Additionally, seven block valves and four pig launcher/receiver settings will be located within the permanent right-of-way. Block valve setting #1 will be constructed and operated within the Mapleton Compressor Station site. Block valve settings #3 and #7 will be constructed and operated within the construction and operational footprints of the MDU—Kindred Border Station and the MDU—Wahpeton Border Station, respectively. The construction and operational acreages for these valve settings are included within the acreages for the Mapleton Compressor Station, the MDU—Kindred Border Station, and the MDU—Wahpeton Border Station.

¹ Acreage includes only the lands beyond the construction and permanent right-of-way for the pipeline.

Construction of block valve settings #2, #4, #5, and #6 will each require between 0.2 and 1.0 acre of additional land beyond construction footprint for the pipeline. Operation of these 4 valve settings combined will require less than 0.1 acre of land beyond the permanent pipeline right-of-way. These facilities together will affect 2.3 acres² of agricultural land during construction, 0.3 acre of which will be affected during operation.

8.3 LAND USE IMPACTS AND MITIGATION

Project construction is expected to result in the disturbance of approximately 774.2 acres of land—including approximately 546.7 acres for pipeline construction right-of-way, 120.5 acres for contractor yards, 82.2 acres for ATWS, 16.0 acres for temporary and permanent access roads, and 8.8 acres for aboveground facility sites. Following construction, approximately 401.7 acres—including the temporary portion of the construction right-of-way, the ATWS, the contractor yards, and temporary access roads—will revert to preconstruction land uses. Operation of the Project is anticipated to result in the permanent encumbrance of approximately 372.5 acres of land, including 366.3 acres of permanent pipeline easements, 3.6 acres for aboveground facility sites, and 2.6 acres for permanent access roads. The land encompassed within the permanent pipeline easements will be restored to preconstruction conditions.

Operation of the proposed aboveground facilities will permanently convert the land use at these sites to developed (i.e., commercial/industrial) land. Impacts on most of the land uses crossed by the pipeline, however, will be temporary and short term because land uses such as agricultural land and open land will be restored to preconstruction conditions after construction is complete (with certain restrictions, such as no building of structures within the permanent easement).

After construction or before leaving a work area, construction personnel will be required to clean up surplus materials and debris that remain on the site. Areas affected by construction will be restored, revegetated, and monitored in accordance with the Federal Energy Regulatory Commission's (FERC) *Upland Erosion Control, Revegetation, and Maintenance Plan* (FERC Plan) and *Wetland and Waterbody Construction and Mitigation Procedures* (FERC Procedures). The following sections discuss potential impacts by land use category.

8.3.1 Agricultural Lands

Agricultural lands in the Project area consist of cultivated fields and working areas within farms and are the major land use type affected by the proposed Project. Construction of the proposed Project will affect approximately 702.2 acres of agricultural land, including lands within the temporary and permanent right-of-way (520.2 acres), ATWS (78.2 acres), contractor yards (83.9 acres), access roads (11.5 acres), and aboveground facilities (8.4 acres). Based on discussions with landowners, WBI Energy has determined that drain tiles are prevalent in many of the agricultural fields that are crossed by the Project. Section 8.3.1.2 describes WBI Energy's plans for crossing drain tiles.

Following construction, agricultural land along the proposed pipeline corridor and outside permanent aboveground facility and permanent access road boundaries will be restored to

² Acreage includes only the lands beyond the construction and permanent right-of-way for the pipeline.

preconstruction conditions and allowed to revert to preconstruction use. While about 352.7 acres of agricultural land will be within the permanent pipeline right-of-way, continued use of the land for agriculture will be allowed. The proposed pipeline will be installed with a minimum depth of cover of 48 inches to allow for continued agricultural use. WBI Energy will remove the entire topsoil layer from the pipeline corridor and maintain proper topsoil and subsoil segregation in accordance with the FERC Plan. Agreements will be made with individual landowners to provide compensation for crop damages or losses caused by Project construction.

Construction and operation of the proposed aboveground facilities will permanently convert a combined 3.6 acres of agricultural land to developed land. Approximately 11.5 acres of agricultural land will be affected by construction of temporary and permanent access roads. Of these, 1.0 acre will be permanently converted to developed land. WBI Energy will restore the temporary access roads to preconstruction conditions or better and in accordance with landowner agreements. Use of temporary access roads is not anticipated to result in permanent impacts on agricultural lands.

8.3.1.1 Prime Farmland

The United States Department of Agriculture defines prime farmland as “land that is best suited to food, feed, fiber, and oilseed crops” (NRCS, 2021b). This designation includes cultivated land, pasture, woodland, or other lands that are either used for food or fiber crops or are available for these uses. Prime farmland is optimal for crop production. See section 7.3.1 in Resource Report 7 for a discussion of impacts on prime farmland.

8.3.1.2 Agricultural Drain Tiles

WBI Energy’s preliminary assessment, based on conversations with landowners, indicated that drain tiles are prevalent along the pipeline route. WBI Energy will continue working with landowners to identify the locations of drain tiles. See section 1.3.2.4 of Resource Report 1 for detail on WBI Energy’s methods for crossing and repairing drain tiles.

To date, no irrigation systems have been identified within the Project area. If irrigation systems are identified and damaged by construction, WBI Energy will restore these structures and facilities to preconstruction condition as stipulated in the FERC Plan or in accordance with landowner agreements.

8.3.2 Open Land

Open land in the Project area consists of non-forested areas such as grassland and shrubland, and isolated stands of trees. Project construction will affect approximately 11.7 acres of open land, including lands within the temporary and permanent rights-of-way (8.5 acres), contractor yards (1.9 acres), ATWS (1.0 acre), and access roads (0.3 acre). Following construction, the temporary pipeline right-of-way, ATWS, contractor yards, and temporary access roads will be restored to preconstruction condition and allowed to revert to preconstruction use. No open lands are located within the aboveground facilities.

Approximately 5.7 acres of open land will be within the permanent pipeline easement; however, it will be restored to preconstruction condition and allowed to revert to preconstruction use. Impacts on open land will be minimized through the implementation of construction and restoration methods identified in the FERC Plan and FERC Procedures. No long-term impacts

are expected on open land, though pipeline maintenance practices will periodically remove woody shrubs from within the permanent right-of-way. Additionally, WBI Energy will segregate topsoil and subsoil throughout the construction process. Any vegetated areas that are disrupted will be reseeded and restored with native vegetation and vegetation similar to what is existing in the area. WBI Energy will consult with landowners and local soil conservation specialists regarding recommended seeding methods, rates, and timing. Per the FERC Plan, restoration success will be monitored until final stabilization and revegetation is reached.

Approximately 0.3 acre of open land will be affected by construction of temporary access roads, none of which will be permanently converted to developed land for operation of permanent access roads. WBI Energy will restore the temporary access roads to preconstruction conditions or better and in accordance with landowner agreements. Use of temporary access roads is not anticipated to result in permanent impacts on open lands.

8.3.3 Forested Land

The forested land use category includes wooded upland, hedgerows, and tree stands near wetlands. Construction of the Project will affect approximately 3.5 acres of forested land, including lands within the temporary and permanent rights-of-way (2.9 acres), access roads (0.4 acre), and contractor yards (0.2 acre). Once construction is complete, approximately 1.9 acres of the forested land will be retained as open land within the new permanent right-of-way and approximately 0.1 acre of will be retained for a new permanent access road. No forested lands are located within the aboveground facilities.

Construction in forested areas along the pipeline right-of-way will require the removal of trees to prepare the construction workspace. Following construction, trees and shrubs in the temporary construction right-of-way will be allowed to revegetate. Forested land within the 50-foot-wide permanent right-of-way will be permanently affected as a result of the maintenance activities described in the FERC Plan and FERC Procedures.

8.3.4 Developed Land

Developed land affected by the Project primarily consists of industrial, commercial, and residential land and existing roads and utility lines crossed by the pipeline right-of-way. Construction of the proposed Project will affect approximately 42.5 acres of developed land including lands within the temporary and permanent right-of-way (7.2 acres), ATWS (2.0 acres), contractor yards (29.4 acres), access roads (3.5 acres), and aboveground facilities (0.4 acre). Operational impacts will include 6.3 acres required for the permanent pipeline right-of-way (4.9 acres) and permanent access roads (1.4 acres).

Construction across roads and utility corridors will be conducted in accordance with the FERC Plan and applicable crossing permits and approvals. Existing transmission line corridors will be crossed by methods agreed upon with the facility operators. As described in Resource Report 1, most paved roads and highways will be crossed by the guided bore method, which will minimize direct impacts on these features and minimize impacts on traffic. Unpaved roads, two-tracks, and driveways and roads in areas with a high-water table will be crossed using the open-cut method and then restored to preconstruction condition. WBI Energy will implement traffic control measures to minimize impacts on traffic within major roadways and assist with transportation of construction equipment and materials. Impacts resulting from slow-moving construction vehicles and road closures will be short term and will occur mostly during daylight

hours. Where required by the landowner, a temporary bridge or bypass may be established on small roads or driveways. Impacts on the existing transportation system are anticipated to be temporary and minimal. The pipeline route is located in areas that are primarily rural and do not experience heavy traffic volumes.

Operation and maintenance of the proposed Project facilities will not affect traffic flow on any of the roads or highways in the Project area. Required periodic maintenance and inspection procedures along the pipeline route will involve a low frequency of light vehicle movement on and off roadways; therefore, no impacts are expected.

8.3.5 Open Water

Open water in the Project area consists of rivers, ponds, smaller creeks, emergent wetlands, and shrub/scrub wetlands. Construction of the proposed Project will affect approximately 14.6 acres of open water. Methods for waterbody crossings include open cut and guided bore. WBI Energy will adhere to measures specified in the FERC Procedures for these crossings. Because WBI Energy proposes to cross most large waterbodies via the guided bore method and smaller waterbodies via the open-cut method, minimal impacts on the open water land use classification are expected to occur from construction or operation of the Project. See Resource Report 2 for additional information on waterbody crossings.

8.4 LAND OWNERSHIP

The majority of the Project is located on private lands, which comprise 740.4 acres (95.6 percent) of the land that will be affected by the Project. The remaining 33.8 acres (4.4 percent) are federal, state, and City of Wahpeton lands associated with highway crossings—including Interstate 94 and 29 and North Dakota State Highway 46. No tribal lands are crossed by the Project.

8.5 EXISTING RESIDENCES AND PLANNED DEVELOPMENTS

The Project does not cross any residential areas or pass within 50 feet of any residences or other existing structures. WBI Energy preferentially routed the pipeline facilities to avoid residences. The route passes within 500 feet of residences in 11 locations near MPs 1.6, 4.4, 16.2, 17.7, 18.6, 19.7, 20.2, 22.3, 34.7, 36.4, and 36.9.

In all instances, the pipeline will be greater than 400 feet from the nearest farmstead or residence. Should changes in the Project design require construction in residential areas or within 50 feet of a residence or existing structure, WBI Energy will comply with FERC's regulations and file the necessary information for these areas.

WBI Energy will work with individual landowners on an as-needed basis to resolve any potential issues with property access and potential damage to gates and fences.

WBI Energy has worked closely with landowners since the start of the Project to determine the pipeline route and is working with landowners to obtain easements. WBI Energy does not currently have eminent domain rights to obtain easements for the Project. However, under section 7(h) of the Natural Gas Act, WBI Energy would obtain the right to eminent domain if FERC issues a Certificate of Public Convenience and Necessity for the Project. Regardless, WBI

Energy will attempt to negotiate an easement agreement with each landowner along the proposed pipeline route.

With regard to compensation, WBI Energy will negotiate with affected landowners in good faith and in a fair and honest manner to obtain an easement to construct, operate, and maintain the proposed pipeline in return for monetary compensation. Compensation for easements will be based on fair market value and will be paid on a one-time, lump-sum basis. With regards to easement terms, WBI Energy will follow the requirements in the North Dakota Century Code T47C05.

Planned developments are those that are permitted and not yet constructed or developments for which permit applications have been filed but not yet approved by a zoning or permitting authority. WBI Energy reached out to the Cass and Richland County Planning and Zoning Offices and the planning and zoning offices for Mapleton, West Fargo, Horace, Kindred, Colfax, and Wahpeton and identified two residential developments in Cass County. Both of these developments are under construction and are at least 1.0 mile from the Project. More information on these developments can be found in appendix 11.

There are two planned industrial/energy projects within 1.0 mile of the proposed Project. The Fargo Moorhead Area Diversion Project includes the construction of river control structures, in-town flood protection such as floodwalls and levees, a diversion channel, and an upstream mitigation area for the Red River and its tributaries. Construction began in 2019 and is anticipated to be completed by 2027 (FM Area Diversion, 2021). The Fargo Moorhead Area Diversion project is included in the cumulative impact analysis for each resource. The Flickertail Solar project includes a 350-megawatt solar facility near Colfax, North Dakota. Construction is anticipated to begin in 2022 and will last approximately nine months (Wahpeton Daily News, 2021). The Flickertail Solar project is included in the cumulative impact analysis for each resource.

8.6 LANDFILLS AND HAZARDOUS WASTE SITES

WBI Energy reviewed the United States Environmental Protection Agency's EnviroFacts Website and a United States Environmental Protection Agency dataset for landfill sites to identify hazardous waste sites, landfills, or other sites with potential for soil or groundwater contamination within 0.25 mile of the pipeline route (USEPA, 2021a; 2021b). Table 8.6-1 lists the hazardous waste sites identified during this search. No landfills were identified within 0.25 mile of the pipeline route.

WBI Energy will minimize the potential impact of spills of hazardous materials during construction by adhering to its *Spill Prevention, Control, and Countermeasure Plan* (see appendix 1F-1 of Resource Report 1). The *Spill Prevention, Control, and Countermeasure Plan* describes preventative measures such as personnel training, equipment inspection, and refueling procedures to reduce the likelihood of spills and includes mitigation measures such as containment and cleanup to minimize potential impacts should a spill occur. If WBI Energy encounters a previously unidentified contaminated site during construction, construction will be paused and the site will be further evaluated.

TABLE 8.6-1			
Wahpeton Expansion Project Hazardous Waste Sites Within 0.25 Mile of the Project			
Facility Site	Location	Distance to Pipeline (miles)	Direction from Pipeline to Site
Nustar Energy—Mapleton Terminal	3639 165 Avenue Southeast Mapleton, North Dakota 58059	0.2	West
American Crystal Sugar-Kindred Piling Site	North Dakota Highway 46 East Kindred, North Dakota	0.1	West

Source: USEPA, 2021a.

8.7 CONSERVATION RESERVE PROGRAM

The Conservation Reserve Program is a voluntary program administered in North Dakota by the United States Department of Agriculture’s Farm Service Agency, which allows owners of agricultural lands to conserve environmentally sensitive lands with financial assistance from the federal government. On December 16, 2021, WBI Energy reached out to the Farm Service Agency requesting a review of the Project route to determine if any Conservation Reserve Program lands are crossed by the Project. WBI Energy will provide FERC with the results of these consultations once they are available. See appendix 8C for copies of this correspondence.

8.8 AGRICULTURAL CONSERVATION EASEMENT PROGRAM

The Agricultural Conservation Easement Program (ACEP) is a program administered in North Dakota by the Natural Resources Conservation Service (NRCS) that combines the purposes of the former Farmland and Ranch Lands Protection Program, Grassland Reserve Program, and Wetland Reserve Program. The ACEP is a voluntary program that provides financial and technical assistance to help conserve agricultural lands and wetlands and their related benefits. For the agricultural lands, the NRCS provides assistance to tribal, state, and local governments and non-governmental organizations to protect these lands and reduce non-agricultural uses. For the Wetlands Reserve Easements, the NRCS assists in the restoration, protection, and enhancement of enrolled wetlands (NRCS, 2021a).

On December 16, 2021, WBI Energy reached out to the NRCS requesting review of the proposed pipeline route and confirmed that the Project does not intersect any ACEP lands and the closest ACEP land is located approximately 1,600 feet from the pipeline. See appendix 7C for copies of this correspondence.

8.9 RECREATION AND SPECIAL INTEREST AREAS

WBI Energy reviewed a variety of digital datasets and maps to identify recreation and special interest areas within or in the immediate vicinity (i.e., within 0.25 mile) of the Project area (America’s Scenic Byways, 2021; NPS, 2021; National Wild and Scenic Rivers System, 2021; NDGFD, 2021b; NDPRD, 2021; North Dakota Tourism, 2021). Based on this review, the proposed pipeline will not cross or pass within 0.25 mile of any wild and scenic rivers, national or state scenic byways, wildlife management areas, old growth forests, designated scenic areas, nature/forest preserves, state, county, or local parks, campgrounds, or natural landmarks.

Therefore, the Project will have no impact on these types of recreation or special interest areas. Recreational opportunities present in the Project area and the potential impacts on those recreational opportunities are discussed below.

On September 13, 2021, WBI Energy sent a Project introduction letter to North Dakota Parks and Recreation District (NDPRD) to notify them of the Project. On October 6, 2021, and January 21, 2022, NDPRD responded and submitted a list of 6(f) Land and Water Conservation Fund recreational areas in Cass and Richland Counties. Based on this consultation, on the response and submittal letters from NDPRD, and on a review of the recreational areas proximity to the Project, the Project will not affect any 6(f) Land and Water Conservation Fund recreational properties that NDPRD owns, leases, or manages. See appendix 8C for copies of this correspondence.

The North Country National Scenic Trail, when completed, will be the longest trail in the National Trails System, spanning 4,700 miles over 8 states from North Dakota to Vermont. The trail began as a United States Forest Service proposal in the mid-1960s. In 1975, a study report by the United States Department of Interior recommended that it be included as a component of the National Trails System. In March 1980, Congress passed the necessary legislation and brought national attention to the outstanding scenic and recreational values of the trail and its route. The National Park Service (NPS) administers the trail in cooperation with other federal, state, and local agencies, private organizations, and individuals—including many generous landowners. The NPS's administrative responsibilities include overseeing the planning, development, protection, and maintenance of the trail; coordinating and assisting the activities of the many public and private partners; and providing technical and financial assistance to cooperating interests. Over 1,900 miles of trail have been certified by the NPS as official segments of the North Country National Scenic Trail. Certification indicates that a segment of the trail is developed and managed in accordance with approved plans and trail standards and entitles the segment to be marked with the official trail emblem. Several hundred additional miles of uncertified segments are open to public use (NPS History, 2022). In Southeast North Dakota, the trail runs from Lake Ashtabula to the North Dakota / Minnesota state line and is made of a mix of paved road and off-road sections (North County Trail Association, 2022).

The Project runs parallel to the trail from MP 35 to MP 36.8 and from MP 42.0 to MP 43.4 and crosses the trail at MP 42.4. All sections of the trail within the vicinity of the Project are located either adjacent to Red River Valley and Western Railroad or within existing roadways. Between MP 35.0 and MP 36.8, the trail runs parallel to the rail line. Between MP 35.0 and MP 35.6, the trail is on the same side of the tracks (east side) as the proposed Project route and crosses a mixture of agricultural and other open lands. The proposed workspace in this area is at least 180 feet east of the trail. Between MP 35.6 (62nd Street Southeast) and MP 36.7 the trail is on the opposite side (west side) of the railroad tracks from the pipeline and, thus, is even further away at approximately 200 feet east of the trail. The only exception to this is where the trail crosses to the east side of the tracks just north of 63rd Street Southeast. At this location, the trail appears to abut the proposed workspace. From MPs 42 to 43.4, the trail is on County Road 4 and 172nd Avenue Southeast. The proposed route in this area is located in agricultural fields on the north side of County Road 4 and west side of 172nd Avenue Southeast. The proposed pipeline crossing of County Road 4 will be bored and all land will be restored to preconstruction conditions. As such, there will be no direct or long-term impacts on the trail between MPs 35.0 and 43.5. However, users of the North Country National Scenic Trail near the Project may experience temporary impacts during active construction—including increased traffic, visual impacts, and

noise. On January 27, 2021, WBI Energy initiated consultation with the NPS to identify any concerns that the agency may have about the proposed Project. On February 10, 2021 the NPS and North County Trail Association responded and stated they are reviewing the provided information and will be in contact as questions arise. WBI Energy will provide FERC with copies of additional correspondence with the final application. See appendix 8C for copies of the current correspondence.

The Private Land Open to Sportsmen (PLOTS) program identifies lands open to hunting due to agreements between the North Dakota Game and Fish Department and private landowners. The PLOTS program also identifies public lands, wildlife management areas, and waterfowl production areas open to hunting. These lands provide walk-in public access only, defined as, “an individual traveling by foot with any legal firearm or bow, plus other equipment, accessories and provisions for the purposes of hunting” (NDGFD, 2021a). These lands do not allow activities such as horseback riding, placing bait, driving all-terrain vehicles or snowmobiles, or dog training (among other activities) without written permission from the landowner (NDGFD, 2021a). The proposed Project crosses one section of PLOTS land from MP 46.0 to MP 46.2 of the mainline. In total, the Project will affect 8.5 acres of PLOTS lands. The PLOTS lands change often and WBI Energy will continue to monitor to see if any additional lands are crossed between now and construction. Construction of the proposed pipeline facilities is scheduled to begin in the beginning of 2024 and will overlap with hunting season in the Project area. Potential impacts include wildlife temporarily leaving the area due to traffic and construction noise and temporary restrictions on hunting due to active construction. However, due to the small amount of PLOTS lands crossed compared to the overall amount of PLOTS land in North Dakota, any potential impacts on PLOTS lands will be minor and temporary.

Temporary construction activities may have an impact on recreational activities due to traffic, visual impacts, and noise associated with construction; however, these impacts will be local, short term, and temporary as construction activities proceed through any given area. Therefore, the Project is not expected to have a significant impact on recreation and special interest areas.

8.10 GRASSLAND CONSERVATION EASEMENTS

Grassland conservation easements are held by the United States Fish and Wildlife Service (USFWS) and define permanent agreements between the USFWS and all present and future landowners to keep their land in native or restored grassland. Grassland conservation easements help reduce soil erosion, protect water supplies, provide food for livestock, and provide nesting habitat (USFWS, 2021). Ground-disturbing activities within grassland easements are prohibited without prior approval of the USFWS. Such activities are subject to review by USFWS staff to determine if they are appropriate and compatible with the objectives of the easement program and require a special use permit / right-of-way grant if they are found to be compatible. No grassland conservation easements are crossed by the proposed pipeline facilities.

8.11 VISUAL RESOURCES

The visual character of the existing landscape is defined by historic and current land uses such as agricultural, open land, and development. The visual qualities of the landscape are further influenced by existing linear installations such as highways, railroads, pipelines, and electrical transmission and distribution lines. The proposed Project will affect primarily agricultural

lands. There are few residences in the immediate vicinity of the Project and the pipeline route does not cross any designated scenic areas.

Most visual and aesthetic impacts associated with the Project, including the pipeline, will be limited to the period of active construction as a result of construction equipment, personnel, and disturbed soil. After pipeline construction is complete, the landscape will be re-contoured to as near preconstruction conditions as practicable and revegetated in accordance with the FERC Plan and FERC Procedures. The portions of the route crossing agricultural and open lands will return to preconstruction conditions within one to two growing seasons. Any disturbed areas will be restored and requested vegetation species planted; therefore, the Project pipeline will have no long-term visual impacts.

Visual impacts from the construction of aboveground facilities are anticipated to be minimal. Table 8.11-1 outlines the proposed new MDU Border Stations associated with the Project and the potential visual resource impacts associated with each facility. As shown in Resource Report 4, there are currently no historic structures along the Project routes that are recommended as potentially eligible for the National Register of Historic Places.

The Mapleton Compressor Station is an existing aboveground facility that will be modified as part of the Project. Given the existing presence of an industrial facility at this location, no impacts on the current visual character of this location are expected. The aboveground valve settings and pig launcher/receiver facilities are minimal in scope and are anticipated to result in negligible impacts on aesthetics.

TABLE 8.11-1			
Wahpeton Expansion Project			
Potential Visual Resource Impacts Associated with the Proposed MDU Border Stations			
Border Station	New or Existing Facility	Approximate Distance to Nearest Residence	Description of Existing Conditions and Proposed Mitigation
MDU—Kindred Border Station	New	3,587 feet southwest	While this is a new facility, there is an existing airport in the area that has changed the visual appearance of the area. This facility will change the landscape, but no significant changes to the existing visual character of the area are anticipated overall.
MDU—Wahpeton Border Station	New	1,741 feet southwest	While this is a new facility, there is an existing food processing facility and energy facility in the area that has changed the visual appearance of the area. This facility will change the landscape, but no significant changes to the existing visual character of the area are anticipated overall.

The two new MDU Border Stations will be constructed primarily on agricultural land. The nearest residence to the MDU—Kindred Border Station is located over 0.7 mile southwest. The nearest residence to the MDU—Wahpeton Border Station is located 0.3 mile southwest. The MDU Border Stations will be fenced to minimize change to the existing visual characteristic of the area. The MDU Border Stations may be visible from the nearest residence; however, the existing facilities—including rail lines, an airport, and food processing facilities—are also visible from these residences (in the same direction). Therefore, construction of the MDU—Kindred Border Station

and the MDU—Wahpeton Border Station is anticipated to have no significant changes to the overall visual character of the area.

8.12 LANDOWNER COMPLAINT RESOLUTION PROCEDURE

WBI Energy will implement a landowner complaint resolution procedure, which will provide landowners whose property will be affected by the Project with directions for identifying and resolving environmental concerns or issues during the construction and restoration phases of the Project. WBI Energy will mail a letter to landowners describing the complaint resolution procedure and designating a WBI Energy contact for landowner liaison. Additionally, the letter will provide landowners with a copy of FERC’s “An Interstate Natural Gas Facility On My Land? What Do I Need To Know?”, which instructs landowners that they should contact FERC’s Landowner Helpline at 1-877-337-2237 or by email at landownerhelp@ferc.gov if they are not satisfied with the response from WBI Energy.

In addition to this procedure, WBI Energy will include a table that contains the following information for each problem/concern in its status reports to FERC:

- date of the call;
- identification number from the construction alignment sheets of the affected property and approximate location by MP or station number;
- description of the problem/concern; and
- an explanation of how and when the problem was resolved or will be resolved or why it has not been resolved.

8.13 CUMULATIVE IMPACTS

Section 1.10 of Resource Report 1 defines a cumulative impact and describes the general scope of the cumulative impact analysis. This section describes the potential cumulative impacts to land use, recreation, and visual resources from the Project combined with the past, present, and reasonable or foreseeable future actions (RFFA) identified in appendix 1I and figure 1.10-1 of Resource Report 1. The location, proposed schedule, and a description of each RFFA are provided in appendix 1I.

This geographic scope of impacts on land use, recreation, and visual resources includes impacts from RFFAs that could reasonably extend within a 1.0-mile radius of the Project during construction. Impacts on land use, recreation, and visual resources will be restricted to the construction workspaces and the immediate surrounding vicinity. Where a permanent conversion from one land use type to another will occur, the temporal scope is expanded to include operation.

8.13.1 Land Use

Development of the pipeline construction right-of-way, ATWS, contractor yards, and temporary access roads will result in temporary land disturbance. Permanent access roads and aboveground facility sites will result in permanent land disturbance and land within the permanent pipeline easements will be restored to preconstruction conditions. Acreages are provided in section 8.3.

The following RFFAs fall within the Project’s geographic and temporal scope for land use impacts.

- NuStar Pipeline Operating Partnership Pipeline Relocation Project: The NuStar Pipeline Operating Partnership, L.P. is proposing to relocate approximately 2 miles of 10-inch-diameter pipeline in Cass County. Because the pipeline will be replaced within the existing permanent right-of-way, the impacts on land use will be limited to the construction phase and there would be no long-term impacts due to the nature of the replacement project.
- MDU Distribution Systems: MDU is proposing a non-jurisdictional distribution system to provide natural gas to commercial, industrial, and residential customers in Kindred and Wahpeton, North Dakota. The distribution projects are anticipated to overlap with the Project footprint at each MDU Border Station and the impacts on land use would be permanent, but not additive to the Project since the aboveground components would also be located at the MDU Border Stations. The distribution systems will consist of underground distribution lines that distribute natural gas from the MDU—Kindred Border Station to new customers in Kindred and from the MDU—Wahpeton Border Station to customers in Wahpeton, distribution facilities to provide natural gas to landowners from farm taps along the mainline, and power lines to serve non-jurisdictional facilities at the proposed MDU Border Stations. These appurtenances will temporarily affect land use during construction and would have a permanent impact in areas where new power poles are placed and where new pipeline rights-of-way are established.
- Kindred Airport Runway Expansion Project: This airport runway expansion lies within the geographic scope for land use impacts and temporarily affects land use during construction and would permanently impact approximately 15 acres of agricultural lands after the second phase of expansion.
- Ongoing agricultural activities: The Project’s primary impact on ongoing agricultural activities will be during construction, when agricultural lands within the construction workspaces will be temporarily unavailable. Long-term impacts are not anticipated because the majority of the agricultural lands crossed by the Project will be restored to preconstruction conditions and uses.
- North Dakota Department of Transportation (NDDOT) Projects: The NDDOT is proposing numerous projects to improve existing road surfaces. These projects are located within the existing road right-of-way and no permanent impacts on land use are anticipated as a result.

The potential for impacts on land use as a result of the pipeline replacement project, construction of the MDU distribution system, and the ongoing agricultural activities would be temporary during the construction phase; however, the temporal staggering of the construction phases of these projects reduces the cumulative effect on land use where they overlap. Due to the proposed timing for construction of the Kindred Airport Runway Expansion (beginning in 2027), construction impacts would not occur simultaneously with the Project. Impacts on land use as a result of the NDDOT transportation projects are not anticipated because the work is proposed within the existing road right-of-way. Ongoing maintenance of the permanent

right-of-way is not anticipated to significantly affect current land use and permanent impacts from aboveground facilities would be highly localized. WBI Energy would reduce impacts on land use by implementing the mitigation measures described in section 8.3. As a result, significant cumulative impacts on land use are not expected.

8.13.2 Recreation and Special Interest Areas

The Project's temporary construction activities may have an impact on recreational activities and special interest areas due to traffic, visual impacts, and noise associated with construction; however, these impacts will be local, short-term, and temporary as construction activities proceed through any given area. The Project will not contribute to a cumulative impact on the North Country National Scenic Trail because no RFFA projects are located within 1 mile of the trail. NDDOT 23 is located within 1 mile of both the Project and land managed by the PLOTS program and the projects could contribute to a cumulative impact during construction if any wildlife were to temporarily leave the area due to traffic and construction noise. However, the Project is not expected to significantly impact recreation and special interest areas and any impacts that occur are expected to be short term and only during active construction.

8.13.3 Visual Resources

Most visual and aesthetic impacts associated with the Project, including the pipeline, will be limited to the period of active construction as a result of construction equipment, personnel, and disturbed soil. Temporary, minor cumulative impacts on visual resources will occur for those RFFAs within the same geographic and temporal scope for visual resources. The RFFAs listed in section 8.13.—including the pipeline replacement project, construction of the MDU distribution system, the NDDOT transportation project, and the ongoing agricultural activities—would temporarily contribute to a cumulative impact on visual resources during the construction phase, but the temporal staggering of the construction phases of these projects would reduce the cumulative effect on land use where they overlap. The airport runway expansion project would not contribute to a temporary impact on visual resources because construction is not anticipated to commence until 2027 and the Project area will have been restored before the runway expansion project begins.

Permanent visual impacts associated with the Project will be limited to the areas of proposed aboveground facilities. The two new MDU Border Stations are not anticipated to have a significant change to the overall visual character of the area. The aboveground valve settings and pig launcher/receiver facilities are minimal in scope and are also anticipated to result in negligible impacts on aesthetics.

Permanent cumulative, visual impacts will occur only if an RFFA that also includes a permanent aboveground facility were to occur in the same viewshed as a new aboveground facility for the proposed Project. The Kindred Airport Runway Expansion Project lies within the geographic scope for permanent visual impacts (within the viewshed of a new aboveground facility for the proposed Project). The airport expansion project would contribute to a permanent cumulative impact on visual resources since it is located within 1 mile of the MDU—Kindred Border Station and within the same viewshed of an existing residence located over 0.7 mile southwest of the MDU—Kindred Border Station. While these projects will change the visual appearance of the area, no significant changes to the existing visual character of the area are anticipated due to their proximity to the existing airport.

8.14 REFERENCES

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APPENDIX 8A ADDITIONAL TEMPORARY WORKSPACES

APPENDIX 8A					
Wahpeton Expansion Project Additional Temporary Workspaces					
Project Facility	Additional Temporary Workspaces (Extra Workspace [EWS])	Milepost	Existing Land Uses	Area Affected by Construction (acres)	County
Pipeline Facility	EWS_001	0.7	Agriculture, Developed	1.1	Cass
Pipeline Facility	EWS_003	0.7	Agriculture, Developed	1.4	Cass
Pipeline Facility	EWS_002	0.8	Agriculture	1.1	Cass
Pipeline Facility	EWS_004	0.8	Agriculture	1.4	Cass
Pipeline Facility	EWS_005	1.1	Agriculture	1.4	Cass
Pipeline Facility	EWS_006	1.1	Agriculture	1.8	Cass
Pipeline Facility	EWS_007	1.3	Agriculture	1.8	Cass
Pipeline Facility	EWS_008	1.3	Agriculture	1.4	Cass
Pipeline Facility	EWS_009	1.5	Agriculture, Developed	2.1	Cass
Pipeline Facility	EWS_010	1.5	Agriculture, Developed	1.2	Cass
Pipeline Facility	EWS_011	1.6	Agriculture, Developed	1.3	Cass
Pipeline Facility	EWS_012	1.6	Agriculture, Developed, Forest	2.6	Cass
Pipeline Facility	EWS_013	2.6	Agriculture, Developed	1.4	Cass
Pipeline Facility	EWS_014	2.6	Agriculture, Developed	1.1	Cass
Pipeline Facility	EWS_015	2.7	Agriculture, Developed	1.4	Cass
Pipeline Facility	EWS_016	2.7	Agriculture, Developed	1.1	Cass
Pipeline Facility	EWS_017	3.6	Agriculture, Developed	1.4	Cass
Pipeline Facility	EWS_018	3.6	Agriculture	1.1	Cass
Pipeline Facility	EWS_019	3.7	Agriculture, Developed	1.1	Cass
Pipeline Facility	EWS_020	3.7	Agriculture, Developed	2.0	Cass
Pipeline Facility	EWS_019_a	3.8	Agriculture, Open Water	1.4	Cass
Pipeline Facility	EWS_019_b	3.8	Agriculture, Developed	1.1	Cass
Pipeline Facility	EWS_019_c	3.9	Agriculture	1.4	Cass
Pipeline Facility	EWS_019_d	3.9	Agriculture, Developed	1.1	Cass
Pipeline Facility	EWS_045	4.9	Agriculture, Developed	1.1	Cass
Pipeline Facility	EWS_052	4.9	Agriculture, Developed	1.4	Cass
Pipeline Facility	EWS_048	5.0	Agriculture	1.1	Cass
Pipeline Facility	EWS_054	5.0	Agriculture	1.4	Cass
Pipeline Facility	EWS_049	5.1	Agriculture	1.9	Cass
Pipeline Facility	EWS_055	5.1	Agriculture	1.4	Cass
Pipeline Facility	EWS_050	5.2	Agriculture	1.9	Cass
Pipeline Facility	EWS_056	5.2	Agriculture	1.4	Cass
Pipeline Facility	EWS_040	5.4	Agriculture	1.4	Cass
Pipeline Facility	EWS_044	5.4	Agriculture	1.1	Cass
Pipeline Facility	EWS_041	5.5	Agriculture	1.4	Cass
Pipeline Facility	EWS_047	5.5	Agriculture	1.1	Cass

APPENDIX 8A					
Wahpeton Expansion Project Additional Temporary Workspaces					
Project Facility	Additional Temporary Workspaces (Extra Workspace [EWS])	Milepost	Existing Land Uses	Area Affected by Construction (acres)	County
Pipeline Facility	EWS_043	5.8	Agriculture	1.8	Cass
Pipeline Facility	EWS_051	5.8	Agriculture	1.4	Cass
Pipeline Facility	EWS_046	6.0	Agriculture, Developed	1.8	Cass
Pipeline Facility	EWS_053	6.0	Agriculture	1.4	Cass
Pipeline Facility	EWS_029	6.4	Agriculture	1.4	Cass
Pipeline Facility	EWS_030	6.4	Agriculture	1.1	Cass
Pipeline Facility	EWS_021	6.5	Agriculture, Developed	2.0	Cass
Pipeline Facility	EWS_022	6.5	Agriculture, Developed	1.1	Cass
Pipeline Facility	EWS_022_a	6.6	Agriculture	1.4	Cass
Pipeline Facility	EWS_022_b	6.6	Agriculture, Developed	1.1	Cass
Pipeline Facility	EWS_022_c	6.7	Agriculture, Developed	1.1	Cass
Pipeline Facility	EWS_022_d	6.7	Agriculture	1.4	Cass
Pipeline Facility	EWS_023	7.2	Agriculture, Developed	1.4	Cass
Pipeline Facility	EWS_024	7.2	Agriculture, Developed	1.4	Cass
Pipeline Facility	EWS_025	7.2	Agriculture, Developed	1.1	Cass
Pipeline Facility	EWS_026	7.2	Agriculture, Developed	1.1	Cass
Pipeline Facility	EWS_027	8.2	Agriculture, Developed	1.4	Cass
Pipeline Facility	EWS_028	8.2	Agriculture, Developed	1.4	Cass
Pipeline Facility	EWS_032	8.2	Agriculture, Developed	1.1	Cass
Pipeline Facility	EWS_033	8.2	Agriculture, Developed	1.1	Cass
Pipeline Facility	EWS_031	8.3	Agriculture, Developed	2.4	Cass
Pipeline Facility	EWS_034	8.3	Agriculture, Developed	1.1	Cass
Pipeline Facility	EWS_035	8.4	Agriculture, Developed	1.1	Cass
Pipeline Facility	EWS_036	8.4	Agriculture, Developed	2.0	Cass
Pipeline Facility	EWS_037	9.2	Agriculture, Developed	1.1	Cass
Pipeline Facility	EWS_039	9.2	Agriculture, Developed	1.4	Cass
Pipeline Facility	EWS_038	9.3	Agriculture, Developed	1.7	Cass
Pipeline Facility	EWS_042	9.3	Agriculture, Developed	1.5	Cass
Pipeline Facility	EWS_057	10.0	Agriculture	1.2	Cass
Pipeline Facility	EWS_058	10.0	Agriculture	1.5	Cass
Pipeline Facility	EWS_059	10.1	Agriculture, Open Water	1.1	Cass
Pipeline Facility	EWS_060	10.1	Agriculture	1.4	Cass
Pipeline Facility	EWS_061	10.6	Agriculture, Developed	1.1	Cass
Pipeline Facility	EWS_062	10.6	Agriculture, Developed	1.4	Cass
Pipeline Facility	EWS_063	10.7	Agriculture, Developed	1.2	Cass
Pipeline Facility	EWS_064	10.7	Agriculture, Developed	2.0	Cass
Pipeline Facility	EWS_068	11.6	Agriculture, Developed	1.1	Cass

APPENDIX 8A					
Wahpeton Expansion Project Additional Temporary Workspaces					
Project Facility	Additional Temporary Workspaces (Extra Workspace [EWS])	Milepost	Existing Land Uses	Area Affected by Construction (acres)	County
Pipeline Facility	EWS_073	11.6	Agriculture, Developed	1.4	Cass
Pipeline Facility	EWS_070	11.7	Agriculture, Developed	1.1	Cass
Pipeline Facility	EWS_075	11.7	Agriculture, Developed	1.4	Cass
Pipeline Facility	EWS_072	12.1	Agriculture, Developed	1.2	Cass
Pipeline Facility	EWS_076	12.1	Agriculture, Developed	2.2	Cass
Pipeline Facility	EWS_065	12.2	Agriculture, Developed	2.1	Cass
Pipeline Facility	EWS_066	12.2	Agriculture, Developed	1.5	Cass
Pipeline Facility	EWS_067	12.6	Agriculture, Developed	1.1	Cass
Pipeline Facility	EWS_071	12.6	Agriculture, Developed	1.4	Cass
Pipeline Facility	EWS_069	12.7	Agriculture, Developed	1.1	Cass
Pipeline Facility	EWS_074	12.7	Agriculture, Developed	1.4	Cass
Pipeline Facility	EWS_077	13.6	Agriculture, Developed	1.3	Cass
Pipeline Facility	EWS_078	13.6	Agriculture, Developed, Open Water	1.6	Cass
Pipeline Facility	EWS_081	13.7	Agriculture, Developed, Open Water	1.9	Cass
Pipeline Facility	EWS_079	13.8	Agriculture, Developed, Open Water	1.1	Cass
Pipeline Facility	EWS_085	14.7	Agriculture, Developed, Open Water	1.6	Cass
Pipeline Facility	EWS_088	14.7	Agriculture, Developed	1.7	Cass
Pipeline Facility	EWS_080	14.8	Agriculture, Developed, Open Water	1.9	Cass
Pipeline Facility	EWS_082	14.8	Agriculture, Developed, Open Water	1.1	Cass
Pipeline Facility	EWS_083	15.7	Agriculture, Developed	1.4	Cass
Pipeline Facility	EWS_086	15.7	Agriculture, Developed, Open Water	1.1	Cass
Pipeline Facility	EWS_084	15.8	Agriculture, Developed, Open Water	1.4	Cass
Pipeline Facility	EWS_087	15.8	Agriculture, Developed, Open Water	1.1	Cass
Pipeline Facility	EWS_092	16.6	Agriculture, Developed	1.4	Cass
Pipeline Facility	EWS_089	16.7	Agriculture	2.0	Cass
Pipeline Facility	EWS_090	16.7	Agriculture, Developed	1.1	Cass
Pipeline Facility	EWS_093	16.7	Agriculture, Developed	1.0	Cass
Pipeline Facility	EWS_091	16.8	Agriculture, Developed	1.1	Cass
Pipeline Facility	EWS_094	16.8	Agriculture, Developed	1.4	Cass
Pipeline Facility	EWS_095	17.7	Agriculture	1.1	Cass
Pipeline Facility	EWS_097	17.7	Agriculture, Developed	1.4	Cass

APPENDIX 8A					
Wahpeton Expansion Project Additional Temporary Workspaces					
Project Facility	Additional Temporary Workspaces (Extra Workspace [EWS])	Milepost	Existing Land Uses	Area Affected by Construction (acres)	County
Pipeline Facility	EWS_096	17.8	Agriculture, Developed	1.1	Cass
Pipeline Facility	EWS_098	17.8	Agriculture, Developed	1.4	Cass
Pipeline Facility	EWS_099	18.7	Agriculture, Developed	1.1	Cass
Pipeline Facility	EWS_101	18.7	Agriculture, Developed	1.4	Cass
Pipeline Facility	EWS_100	18.8	Agriculture	1.1	Cass
Pipeline Facility	EWS_102	18.8	Agriculture, Developed, Open Water	1.4	Cass
Pipeline Facility	EWS_103	19.7	Agriculture, Developed	1.2	Cass
Pipeline Facility	EWS_105	19.7	Agriculture, Developed, Open Water	1.4	Cass
Pipeline Facility	EWS_104	19.8	Agriculture, Developed, Open Water	2.4	Cass
Pipeline Facility	EWS_106	19.8	Agriculture, Developed, Open Water	1.1	Cass
Pipeline Facility	EWS_107	19.9	Agriculture, Developed	1.0	Cass
Pipeline Facility	EWS_108	19.9	Agriculture, Developed	2.0	Cass
Pipeline Facility	EWS_109	20.8	Agriculture, Developed	1.1	Cass
Pipeline Facility	EWS_111	20.8	Agriculture	1.4	Cass
Pipeline Facility	EWS_110	20.9	Agriculture, Developed	1.1	Cass
Pipeline Facility	EWS_112	20.9	Agriculture, Developed	1.4	Cass
Pipeline Facility	EWS_113	21.8	Agriculture, Developed	1.1	Cass
Pipeline Facility	EWS_114	21.8	Agriculture, Developed	1.7	Cass
Pipeline Facility	EWS_115	21.8	Agriculture, Developed	1.4	Cass
Pipeline Facility	EWS_116	21.9	Agriculture, Developed	1.3	Cass
Pipeline Facility	EWS_117	23.3	Agriculture, Developed	1.1	Cass
Pipeline Facility	EWS_119	23.3	Agriculture, Developed	1.4	Cass
Kindred Border Station	EWS_121	23.4	Agriculture, Developed	7.0	Cass
Pipeline Facility	EWS_123	24.1	Agriculture	1.8	Cass
Pipeline Facility	EWS_125	24.1	Agriculture	1.4	Cass
Pipeline Facility	EWS_124	24.2	Agriculture	1.8	Cass
Pipeline Facility	EWS_126	24.2	Agriculture	1.4	Cass
Pipeline Facility	EWS_127	24.7	Agriculture	1.2	Cass
Pipeline Facility	EWS_129	24.7	Agriculture	1.5	Cass
Pipeline Facility	EWS_128	24.8	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_130	24.8	Agriculture, Developed	1.4	Richland
Pipeline Facility	EWS_131	26.6	Agriculture, Developed	1.4	Richland
Pipeline Facility	EWS_132	26.6	Agriculture, Developed	1.0	Richland
Pipeline Facility	EWS_133	26.7	Agriculture, Developed	1.4	Richland

APPENDIX 8A					
Wahpeton Expansion Project Additional Temporary Workspaces					
Project Facility	Additional Temporary Workspaces (Extra Workspace [EWS])	Milepost	Existing Land Uses	Area Affected by Construction (acres)	County
Pipeline Facility	EWS_134	26.7	Agriculture, Developed	1.0	Richland
Pipeline Facility	EWS_135	27.6	Agriculture, Developed	1.4	Richland
Pipeline Facility	EWS_136	27.6	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_137	27.7	Agriculture, Developed	1.4	Richland
Pipeline Facility	EWS_138	27.7	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_139	28.3	Agriculture	1.1	Richland
Pipeline Facility	EWS_141	28.3	Agriculture	1.4	Richland
Pipeline Facility	EWS_140	28.4	Agriculture	1.1	Richland
Pipeline Facility	EWS_142	28.4	Agriculture	1.4	Richland
Pipeline Facility	EWS_144	29.3	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_145	29.3	Agriculture, Developed, Open Water	1.1	Richland
Pipeline Facility	EWS_147	29.3	Agriculture, Developed	1.4	Richland
Pipeline Facility	EWS_148	29.3	Agriculture, Developed, Open Water	1.4	Richland
Pipeline Facility	EWS_149	30.3	Agriculture, Developed	1.2	Richland
Pipeline Facility	EWS_150	30.3	Agriculture, Developed	1.4	Richland
Pipeline Facility	EWS_143	30.4	Agriculture, Developed	1.6	Richland
Pipeline Facility	EWS_146	30.4	Agriculture, Developed	1.9	Richland
Pipeline Facility	EWS_151	31.3	Agriculture, Developed, Forest	1.1	Richland
Pipeline Facility	EWS_153	31.3	Agriculture, Developed	1.4	Richland
Pipeline Facility	EWS_152	31.4	Agriculture	1.1	Richland
Pipeline Facility	EWS_154	31.4	Agriculture	1.4	Richland
Pipeline Facility	EWS_157	32.3	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_161	32.3	Agriculture, Developed	1.4	Richland
Pipeline Facility	EWS_158	32.4	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_162	32.4	Agriculture, Developed	1.4	Richland
Pipeline Facility	EWS_155	33.4	Agriculture, Developed, Open Water	1.1	Richland
Pipeline Facility	EWS_159	33.4	Agriculture, Developed, Open Water	1.4	Richland
Pipeline Facility	EWS_156	33.5	Agriculture, Open Water	1.1	Richland
Pipeline Facility	EWS_160	33.5	Agriculture, Open Water	1.4	Richland
Pipeline Facility	EWS_163	35.6	Developed, Open Land, Open Water	1.1	Richland
Pipeline Facility	EWS_164	35.6	Developed, Open Land, Open Water	1.5	Richland
Pipeline Facility	EWS_165	35.6	Developed, Open Land, Open Water	0.8	Richland

APPENDIX 8A					
Wahpeton Expansion Project Additional Temporary Workspaces					
Project Facility	Additional Temporary Workspaces (Extra Workspace [EWS])	Milepost	Existing Land Uses	Area Affected by Construction (acres)	County
Pipeline Facility	EWS_166	35.7	Developed, Open Land, Open Water	0.7	Richland
Pipeline Facility	EWS_167	36.1	Developed, Open Land, Open Water	1.1	Richland
Pipeline Facility	EWS_169	36.2	Agriculture, Developed, Open Land, Open Water	1.2	Richland
Pipeline Facility	EWS_170	36.2	Agriculture, Developed, Open Land	1.5	Richland
Pipeline Facility	EWS_171	36.7	Agriculture, Developed, Open Land, Open Water	1.1	Richland
Pipeline Facility	EWS_172	36.7	Agriculture, Developed, Open Land	1.5	Richland
Pipeline Facility	EWS_173	36.8	Agriculture, Developed, Forest, Open Land	1.7	Richland
Pipeline Facility	EWS_174	36.8	Agriculture, Developed, Forest, Open Land	1.3	Richland
Pipeline Facility	EWS_175	37.5	Agriculture, Developed, Forest	1.4	Richland
Pipeline Facility	EWS_176	37.5	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_177	37.6	Agriculture, Developed	1.4	Richland
Pipeline Facility	EWS_178	37.6	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_179	38.5	Agriculture, Developed	1.4	Richland
Pipeline Facility	EWS_180	38.5	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_181	38.6	Agriculture, Developed	1.4	Richland
Pipeline Facility	EWS_182	38.6	Agriculture, Developed	2.0	Richland
Pipeline Facility	EWS_182_a	39.8	Agriculture	1.4	Richland
Pipeline Facility	EWS_182_b	39.8	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_182_c	39.9	Agriculture	1.4	Richland
Pipeline Facility	EWS_182_d	39.9	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_183	40.4	Agriculture, Developed	1.4	Richland
Pipeline Facility	EWS_184	40.4	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_185	40.5	Agriculture, Developed	1.4	Richland
Pipeline Facility	EWS_186	40.5	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_187	40.9	Agriculture	1.1	Richland
Pipeline Facility	EWS_188	40.9	Agriculture	2.1	Richland
Pipeline Facility	EWS_189	41.0	Agriculture	0.4	Richland
Pipeline Facility	EWS_191	41.0	Agriculture	2.0	Richland
Pipeline Facility	EWS_190	41.1	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_192	41.1	Agriculture, Developed	1.4	Richland
Pipeline Facility	EWS_193	42.4	Agriculture, Developed, Open Water	1.3	Richland

APPENDIX 8A					
Wahpeton Expansion Project Additional Temporary Workspaces					
Project Facility	Additional Temporary Workspaces (Extra Workspace [EWS])	Milepost	Existing Land Uses	Area Affected by Construction (acres)	County
Pipeline Facility	EWS_194	42.4	Agriculture, Developed, Open Water	1.4	Richland
Pipeline Facility	EWS_195	42.4	Agriculture, Developed, Open Water	1.7	Richland
Pipeline Facility	EWS_196	42.4	Agriculture, Developed, Open Water	1.1	Richland
Pipeline Facility	EWS_197	44.4	Agriculture, Developed	1.6	Richland
Pipeline Facility	EWS_198	44.4	Agriculture, Developed	1.3	Richland
Pipeline Facility	EWS_199	44.5	Agriculture, Developed	1.3	Richland
Pipeline Facility	EWS_200	44.5	Agriculture, Developed	1.9	Richland
Pipeline Facility	EWS_201	44.9	Agriculture, Developed	1.2	Richland
Pipeline Facility	EWS_205	44.9	Agriculture	2.1	Richland
Pipeline Facility	EWS_202	45.0	Agriculture, Developed	1.2	Richland
Pipeline Facility	EWS_206	45.0	Agriculture	2.1	Richland
Pipeline Facility	EWS_203	45.4	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_207	45.4	Agriculture, Developed, Open Land	1.4	Richland
Pipeline Facility	EWS_204	45.5	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_208	45.5	Agriculture, Developed	1.4	Richland
Pipeline Facility	EWS_209	46.4	Agriculture, Developed, Open Water	1.1	Richland
Pipeline Facility	EWS_211	46.4	Agriculture, Developed	1.4	Richland
Pipeline Facility	EWS_210	46.5	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_212	46.5	Agriculture, Developed	1.4	Richland
Pipeline Facility	EWS_213	47.9	Agriculture	1.4	Richland
Pipeline Facility	EWS_214	47.9	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_215	48.0	Agriculture	1.4	Richland
Pipeline Facility	EWS_216	48.0	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_217	48.3	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_219	48.3	Agriculture, Developed	2.0	Richland
Pipeline Facility	EWS_218	48.4	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_220	48.4	Agriculture, Developed	1.3	Richland
Pipeline Facility	EWS_222	48.8	Agriculture, Developed	1.2	Richland
Pipeline Facility	EWS_221	48.9	Agriculture, Developed	2.0	Richland
Pipeline Facility	EWS_223	48.9	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_224	48.9	Agriculture, Developed	1.4	Richland
Pipeline Facility	EWS_225	49.9	Agriculture, Developed	1.4	Richland
Pipeline Facility	EWS_226	49.9	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_227	49.9	Agriculture, Developed	1.4	Richland

APPENDIX 8A					
Wahpeton Expansion Project Additional Temporary Workspaces					
Project Facility	Additional Temporary Workspaces (Extra Workspace [EWS])	Milepost	Existing Land Uses	Area Affected by Construction (acres)	County
Pipeline Facility	EWS_228	49.9	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_229	50.8	Agriculture, Open Water	3.7	Richland
Pipeline Facility	EWS_230	50.8	Agriculture, Forest, Open Water	1.3	Richland
Pipeline Facility	EWS_231	51.0	Agriculture, Forest, Open Water	3.0	Richland
Pipeline Facility	EWS_232	51.0	Agriculture, Forest, Open Water	2.6	Richland
Pipeline Facility	EWS_233	51.1	Agriculture, Forest, Open Land, Open Water	2.1	Richland
Pipeline Facility	EWS_234	51.1	Agriculture, Forest	1.4	Richland
Pipeline Facility	EWS_235	51.9	Agriculture, Developed	1.4	Richland
Pipeline Facility	EWS_236	51.9	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_237	52.0	Agriculture, Open Water	1.4	Richland
Pipeline Facility	EWS_238	52.0	Agriculture, Open Water	1.1	Richland
Pipeline Facility	EWS_239	52.9	Agriculture, Developed	1.4	Richland
Pipeline Facility	EWS_240	52.9	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_241	53.0	Agriculture, Developed	1.4	Richland
Pipeline Facility	EWS_242	53.0	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_249	54.4	Agriculture, Developed	1.4	Richland
Pipeline Facility	EWS_250	54.4	Agriculture, Developed	1.4	Richland
Pipeline Facility	EWS_253	54.4	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_254	54.4	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_255	55.4	Agriculture, Developed, Open Water	1.4	Richland
Pipeline Facility	EWS_256	55.4	Agriculture, Developed	1.4	Richland
Pipeline Facility	EWS_259	55.4	Agriculture, Developed, Open Water	1.1	Richland
Pipeline Facility	EWS_260	55.4	Agriculture, Developed	1.2	Richland
Pipeline Facility	EWS_257	56.4	Agriculture, Developed, Open Water	1.4	Richland
Pipeline Facility	EWS_258	56.4	Agriculture, Developed	1.4	Richland
Pipeline Facility	EWS_261	56.4	Agriculture, Developed, Open Water	1.1	Richland
Pipeline Facility	EWS_262	56.4	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_244	56.9	Agriculture, Forest	3.6	Richland
Pipeline Facility	EWS_247	56.9	Agriculture, Forest	1.2	Richland
Pipeline Facility	EWS_243	57.1	Agriculture, Forest	1.1	Richland
Pipeline Facility	EWS_246	57.1	Agriculture, Forest, Open Water	2.1	Richland

APPENDIX 8A					
Wahpeton Expansion Project Additional Temporary Workspaces					
Project Facility	Additional Temporary Workspaces (Extra Workspace [EWS])	Milepost	Existing Land Uses	Area Affected by Construction (acres)	County
Pipeline Facility	EWS_245	57.5	Agriculture, Developed	1.4	Richland
Pipeline Facility	EWS_248	57.5	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_251	57.5	Agriculture, Developed, Forest	2.9	Richland
Pipeline Facility	EWS_252	57.5	Agriculture, Developed, Open Water	1.0	Richland
Pipeline Facility	EWS_263	57.7	Agriculture	1.8	Richland
Pipeline Facility	EWS_264	57.7	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_265	57.7	Agriculture, Developed	0.8	Richland
Pipeline Facility	EWS_266	57.7	Agriculture, Developed	1.0	Richland
Pipeline Facility	EWS_267	57.8	Agriculture, Developed	1.2	Richland
Pipeline Facility	EWS_268	57.8	Agriculture, Developed	1.4	Richland
Pipeline Facility	EWS_269	58.6	Agriculture, Developed	1.1	Richland
Pipeline Facility	EWS_270	58.6	Agriculture, Developed	1.4	Richland
Pipeline Facility	EWS_271	58.7	Agriculture, Developed, Open Water	1.1	Richland
Pipeline Facility	EWS_272	58.7	Agriculture, Developed, Open Water	1.4	Richland
Pipeline Facility	EWS_273	60.1	Agriculture, Developed	2.8	Richland
Pipeline Facility	EWS_274	60.1	Agriculture, Developed	1.3	Richland
Pipeline Facility	EWS_276	60.1	Agriculture, Developed	2.3	Richland
Pipeline Facility	EWS_275	60.2	Agriculture, Developed	1.3	Richland
Wahpeton Border Station	EWS_277	60.5	Agriculture, Developed	6.6	Richland

APPENDIX 8B ACCESS ROADS

APPENDIX 8B										
Wahpeton Expansion Project Access Roads										
Access Road Name	Milepost	Existing Road Type	Modification Required	Use (TEMP or PERM)	Existing or New	Existing Land Uses	Length (feet)	Width (feet)	Area Affected by Construction (acres)	Area Affected by Operations (acres)
AR_001	0.0	Dirt/Vegetation	TBD	TEMP	Existing, New	Agriculture, Developed	763	30	0.5	0.0
AR_002	1.7	Gravel/Dirt	TBD	TEMP	Existing, New	Agriculture, Developed	114	30	0.1	0.0
AR_003	3.7	Dirt/Vegetation	TBD	TEMP	Existing, New	Agriculture, Developed	127	30	0.1	0.0
AR_004	4.2	Dirt	TBD	TEMP	Existing	Agriculture, Developed	60	30	<0.1	0.0
AR_005	5.1	Dirt/Vegetation	TBD	TEMP	New	Agriculture, Developed, Open Water	1377	30	0.9	0.0
AR_006	5.4	Gravel/Dirt	TBD	TEMP	Existing	Agriculture, Developed	1098	30	0.8	0.0
AR_007	5.9	Dirt/Vegetation	TBD	TEMP	Existing, New	Agriculture, Developed	307	30	0.2	0.0
AR_008	7.2	Dirt/Vegetation	TBD	TEMP	Existing	Agriculture, Developed	56	30	<0.1	0.0
AR_009	7.4	Vegetation	TBD	TEMP	Existing	Agriculture, Developed	77	30	0.1	0.0
AR_010	8.2	Dirt/Vegetation	TBD	TEMP	Existing	Developed	75	30	0.1	0.0
AR_011	8.3	Dirt/Vegetation	TBD	TEMP	Existing, New	Agriculture, Developed	248	30	0.2	0.0
AR_012	8.7	Dirt/Vegetation	TBD	TEMP	Existing	Agriculture, Developed	74	30	0.1	0.0
AR_013	10.0	Dirt/Vegetation	TBD	TEMP	New	Agriculture, Open Water	3455	30	2.4	0.0
AR_014	10.0	Dirt/Vegetation	TBD	TEMP	Existing	Agriculture	1929	30	1.3	0.0
AR_015	11.2	Dirt/Vegetation	TBD	TEMP	Existing	Agriculture, Developed	48	30	<0.1	0.0
AR_016	11.6	Dirt/Vegetation	TBD	PERM	New	Agriculture, Developed	104	30	0.1	0.1
AR_017	13.2	Vegetation	TBD	TEMP	New	Agriculture, Developed	89	30	0.1	0.0
AR_018	13.7	Vegetation	TBD	TEMP	Existing, New	Agriculture	139	30	0.1	0.0
AR_019	14.8	Vegetation	TBD	TEMP	New	Agriculture, Open Water	40	30	<0.1	0.0
AR_020	16.2	Dirt/Vegetation	TBD	TEMP	New	Agriculture, Developed	81	30	0.1	0.0
AR_021	16.7	Dirt/Vegetation	TBD	TEMP	New	Agriculture, Developed	35	30	<0.1	0.0
AR_022	17.1	Dirt	TBD	TEMP	New	Agriculture, Developed	85	30	0.1	0.0

APPENDIX 8B										
Wahpeton Expansion Project Access Roads										
Access Road Name	Milepost	Existing Road Type	Modification Required	Use (TEMP or PERM)	Existing or New	Existing Land Uses	Length (feet)	Width (feet)	Area Affected by Construction (acres)	Area Affected by Operations (acres)
AR_023	18.3	Vegetation	TBD	TEMP	New	Agriculture, Developed	82	30	0.1	0.0
AR_024	19.3	Vegetation	TBD	TEMP	New	Agriculture, Developed, Open Water	90	30	0.1	0.0
AR_025	22.3	Dirt	TBD	TEMP	Existing	Agriculture, Developed	59	30	<0.1	0.0
AR_026	23.4	Dirt	TBD	PERM	New	Agriculture, Developed	171	30	0.1	0.1
AR_027	24.1	Dirt	TBD	TEMP	New	Agriculture, Developed	540	30	0.4	0.0
AR_028	24.2	Dirt	TBD	TEMP	New	Agriculture	447	30	0.3	0.0
AR_029	24.7	Dirt	TBD	TEMP	New	Agriculture	120	30	0.1	0.0
AR_030	25.7	Vegetation	TBD	TEMP	New	Agriculture, Developed	163	30	0.1	0.0
AR_032	28.3	Dirt/Vegetation	TBD	TEMP	Existing, New	Agriculture	138	30	0.1	0.0
AR_033	29.3	Dirt/Vegetation	TBD	TEMP	Existing	Agriculture, Open Water	106	30	0.1	0.0
AR_034	31.3	Dirt/Vegetation	TBD	PERM	Existing, New	Agriculture, Developed, Open Water	258	30	0.2	0.2
AR_035	32.4	Dirt/Vegetation	TBD	TEMP	New	Agriculture, Developed	113	30	0.1	0.0
AR_036	32.4	Dirt/Vegetation	TBD	TEMP	New	Agriculture, Developed	116	30	0.1	0.0
AR_038	34.5	Dirt/Vegetation	TBD	TEMP	New	Agriculture, Open Land, Open Water	791	30	0.5	0.0
AR_039	34.5	Gravel	TBD	TEMP	Existing	Agriculture, Developed, Forest, Open Land, Open Water	3245	30	2.2	0.0
AR_040	36.7	Gravel/Vegetation	TBD	TEMP	Existing, New	Agriculture	851	30	0.6	0.0
AR_041	36.8	Dirt/Vegetation	TBD	TEMP	Existing	Agriculture, Open Land	38	30	<0.1	0.0
AR_042	39.0	Vegetation	TBD	TEMP	New	Agriculture	138	30	0.1	0.0

APPENDIX 8B										
Wahpeton Expansion Project Access Roads										
Access Road Name	Milepost	Existing Road Type	Modification Required	Use (TEMP or PERM)	Existing or New	Existing Land Uses	Length (feet)	Width (feet)	Area Affected by Construction (acres)	Area Affected by Operations (acres)
AR_043	39.5	Dirt/Vegetation	TBD	PERM	New	Agriculture, Developed	189	30	0.1	0.1
AR_044	42.0	Dirt/Vegetation	TBD	TEMP	Existing, New	Agriculture, Developed	141	30	0.1	0.0
AR_045	42.7	Vegetation	TBD	TEMP	New	Agriculture, Developed	70	30	<0.1	0.0
AR_046	43.4	Vegetation	TBD	TEMP	Existing	Agriculture	62	30	<0.1	0.0
AR_047	44.9	Vegetation	TBD	TEMP	New	Agriculture	16	30	<0.1	0.0
AR_048	45.0	Vegetation	TBD	TEMP	New	Agriculture	5	30	<0.1	0.0
AR_049	46.2	Dirt	TBD	TEMP	New	Agriculture, Developed	71	30	<0.1	0.0
AR_050	46.9	Dirt/Vegetation	TBD	TEMP	New	Agriculture, Developed	65	30	<0.1	0.0
AR_051	47.3	Dirt	TBD	TEMP	New	Agriculture, Developed, Open Water	64	30	<0.1	0.0
AR_052	48.0	Dirt	TBD	TEMP	Existing	Developed	38	30	<0.1	0.0
AR_053	48.3	Vegetation	TBD	TEMP	New	Agriculture, Developed	21	30	<0.1	0.0
AR_054	48.7	Dirt/Vegetation	TBD	TEMP	New	Agriculture, Developed	66	30	<0.1	0.0
AR_055	48.9	Dirt/Vegetation	TBD	PERM	New	Agriculture, Developed	105	30	<0.1	<0.1
AR_056	50.9	Dirt/Vegetation/Gravel	TBD	PERM	Existing, New	Agriculture, Developed, Forest, Open Water	2866	30	2.0	2.0
AR_057	52.9	Dirt	TBD	TEMP	Existing	Agriculture, Developed	63	30	<0.1	0.0
AR_058	52.0	Dirt/Vegetation	TBD	TEMP	New	Agriculture, Developed	265	30	0.2	0.0
AR_059	53.9	Dirt/Vegetation	TBD	TEMP	New	Agriculture, Developed	114	30	0.1	0.0
AR_060	56.4	Dirt/Vegetation	TBD	TEMP	Existing	Agriculture, Developed, Open Water	94	30	0.1	0.0
AR_061	56.4	Dirt/Vegetation	TBD	TEMP	Existing	Agriculture, Developed	67	30	<0.1	0.0
AR_062	57.5	Vegetation	TBD	TEMP	Existing, New	Agriculture, Developed	961	30	0.6	0.0

APPENDIX 8B										
Wahpeton Expansion Project Access Roads										
Access Road Name	Milepost	Existing Road Type	Modification Required	Use (TEMP or PERM)	Existing or New	Existing Land Uses	Length (feet)	Width (feet)	Area Affected by Construction (acres)	Area Affected by Operations (acres)
AR_063	58.6	Vegetation	TBD	TEMP	New	Agriculture	36	30	<0.1	0.0
AR_064	58.7	Dirt	TBD	TEMP	Existing	Agriculture, Developed, Open Water	36	30	<0.1	0.0
AR_065	60.5	Dirt/Vegetation	TBD	PERM	Existing, New	Agriculture, Developed	171	30	0.1	0.1

AR = access road; PERM = permanent; TBD = to be determined; TEMP = temporary.

APPENDIX 8C AGENCY CORRESPONDENCE

Destiny Kerr

From: Destiny Kerr
Sent: Friday, January 14, 2022 4:42 PM
To: Apperson, Courtney - FPAC-FSA, Fargo, ND
Cc: Larry Brown; jill.linn@WBIEnergy.com; Robbyn.Reukauf@WBIEnergy.com; Maggie Suter; Lisa DiNicolantonio
Subject: RE: [External Email]WBI Energy FSA Review - Cass County

Good afternoon Courtney,

I am following up on this request for your review of Conservation Reserve Program lands crossed by the Wahpeton Expansion Project construction work area. Please feel free to reach out if you need any additional information.

Best,
Destiny D. Kerr
(she/her)
Consultant II, Scientist

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E destiny.kerr@erm.com | **W** www.erm.com

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From: Destiny Kerr
Sent: Friday, December 17, 2021 5:11 PM
To: Apperson, Courtney - FPAC-FSA, Fargo, ND <courtney.apperson@usda.gov>
Cc: Larry Brown <Larry.Brown@erm.com>; jill.linn@WBIEnergy.com; Robbyn.Reukauf@WBIEnergy.com; Maggie Suter <Maggie.Suter@erm.com>
Subject: RE: [External Email]WBI Energy FSA Review - Cass County

Hi Courtney,

Thank you again for your assistance with this review. Please see the attached table and reach out if you need additional information.

Best,
Destiny D. Kerr
(she/her)
Consultant II, Scientist

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E destiny.kerr@erm.com | **W** www.erm.com

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From: Destiny Kerr
Sent: Thursday, December 16, 2021 4:29 PM
To: Apperson, Courtney - FPAC-FSA, Fargo, ND <courtney.apperson@usda.gov>
Cc: Larry Brown <Larry.Brown@erm.com>; jill.linn@WBIEnergy.com; Robbyn.Reukauf@WBIEnergy.com; Maggie Suter <Maggie.Suter@erm.com>
Subject: RE: [External Email]WBI Energy FSA Review - Cass County

Hi Courtney,

Thank you for your quick response. We will send a file with the section-township-range as soon as possible.

Best,
Destiny D. Kerr
(she/her)
Consultant II, Scientist

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From: Apperson, Courtney - FPAC-FSA, Fargo, ND <courtney.apperson@usda.gov>
Sent: Thursday, December 16, 2021 3:32 PM
To: Destiny Kerr <Destiny.Kerr@erm.com>
Cc: Larry Brown <Larry.Brown@erm.com>; jill.linn@WBIEnergy.com; Robbyn.Reukauf@WBIEnergy.com; Maggie Suter <Maggie.Suter@erm.com>
Subject: RE: [External Email]WBI Energy FSA Review - Cass County

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Good afternoon,

I believe I will be able to assist you, but I do need more specific information on the location of the proposed pipeline. I cannot tell from the map provided what farms will be affected by this pipeline. Please provide me with the specific section-township-range of the proposed pipeline.

Thank you,

Courtney Apperson

County Executive Director
Cass County FSA Office
1665 43rd St SW, Ste 103
Fargo, ND 58103-3319
Phone: (701) 282-2157
Fax: (701)282-9203
Office email: NDFARGO-fsa@usda.gov

Acting County Executive Director
Traill County FSA Office
PO Box 250
Hillsboro, ND 58045
Phone: (701)436-5101
Fax: (855)813-6656
Office email: NDhillsbor-fsa@one.usda.gov

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From: Destiny Kerr <Destiny.Kerr@erm.com>
Sent: Thursday, December 16, 2021 1:32 PM
To: Apperson, Courtney - FPAC-FSA, Fargo, ND <courtney.apperson@usda.gov>
Cc: Larry Brown <Larry.Brown@erm.com>; jill.linn@WBIEnergy.com; Robbyn.Reukauf@WBIEnergy.com; Maggie Suter <Maggie.Suter@erm.com>
Subject: [External Email]WBI Energy FSA Review - Cass County

[External Email]

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Good afternoon Courtney Apperson,

ERM is preparing environmental review documents on behalf of WBI Energy Transmission, Inc. for a development project affecting land in Cass County, ND. We respectfully request your review of Conservation Reserve Program lands crossed by the construction work area. Please see the attached document for the proposed seed-mixes and additional background information.

Your time and assistance is greatly appreciated. Please feel free to reach out if you have any questions.

Best,
Destiny D. Kerr
(she/her)

Consultant II, Scientist

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T +1 (401) 415-9610 | **M** 918-314-1833

E destiny.kerr@erm.com | **W** www.erm.com

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WBI ENERGY TRANSMISSION, INC.
2010 Montana Avenue
Glendive, MT 593330
(800) 437-4630
www.wbienergy.com

16 December 2021

Transmitted By Email

Courtney Apperson
County Executive Director
Cass County Farm Service Agency
1665 43rd Street South
Fargo, North Dakota 58103
courtney.apperson@usda.gov

Subject: WBI Energy Transmission, Inc.
Proposed Wahpeton Expansion Project
Request for Information on Projects in the Vicinity

Dear Ms. Apperson,

WBI Energy Transmission, Inc. (WBI Energy) operates an interstate natural gas transmission pipeline system in the Northern Plains and is proposing to expand its system in southeastern North Dakota. The proposed Wahpeton Expansion Project (Project) will involve constructing approximately 60 miles of 12-inch diameter natural gas pipeline from WBI Energy's existing Mapleton Compressor Station near Mapleton, North Dakota, to a new delivery station near Wahpeton, North Dakota. The Project will also include minor modifications at the Mapleton Compressor Station and two new delivery stations, one near Kindred, North Dakota and (as previously mentioned) one near Wahpeton. The enclosed map shows the preliminary proposed pipeline route and locations of project facilities.

The Federal Energy Regulatory Commission (FERC) is the lead federal agency responsible for the review of the Project. ERM-West, Inc. (ERM) is assisting WBI Energy with assessing the potential environmental impacts of the Project for the FERC application. This assessment will include a discussion on land use and conservation areas in the vicinity of the Project.

We are requesting your assistance in identifying Conservation Reserve Program lands within the vicinity of the Wahpeton Expansion Project that should be considered in our assessment. Information regarding the timing of these projects and maps or other locational information that would allow us to graphically display the locations of these projects relative to the Wahpeton Expansion Project would also be appreciated.

Thank you for your assistance with this matter. Receiving your responses within 30 days or by January 14, 2022 will allow WBI Energy to maintain the project schedule. If you need more detailed information about the Project route or have questions, I can be reached at (406)-359-7332 or via email at jill.linn@wbienergy.com. If I am unavailable, you can also contact Maggie Suter from ERM by telephone at (410) 972-4125 or via email at maggie.suter@erm.com.

Sincerely,



Jill Linn
Environmental Manager
WBI Energy Transmission, Inc.

Enclosures: Project Overview Map

cc: Robbyn Reukauf, WBI Energy
Maggie Suter, ERM

Destiny Kerr

From: Destiny Kerr
Sent: Friday, January 14, 2022 4:40 PM
To: Bailey, Hannah - FPAC-FSA, Wahpeton, ND
Cc: Larry Brown; jill.linn@WBIEnergy.com; Robbyn.Reukauf@WBIEnergy.com; Maggie Suter; Lisa DiNicolantonio
Subject: RE: [External Email]WBI Energy FSA Review - Richland County

Good afternoon Hannah,

I am following up on this request for your review of Conservation Reserve Program lands crossed by the Wahpeton Expansion Project construction work area. Please feel free to reach out if you need any additional information.

Best,
Destiny D. Kerr
(she/her)
Consultant II, Scientist

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E destiny.kerr@erm.com | **W** www.erm.com

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From: Bailey, Hannah - FPAC-FSA, Wahpeton, ND <Hannah.Bailey@usda.gov>
Sent: Monday, January 3, 2022 12:16 PM
To: Destiny Kerr <Destiny.Kerr@erm.com>
Cc: Larry Brown <Larry.Brown@erm.com>; jill.linn@WBIEnergy.com; Robbyn.Reukauf@WBIEnergy.com; Maggie Suter <Maggie.Suter@erm.com>
Subject: RE: [External Email]WBI Energy FSA Review - Richland County

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Hi Destiny,

Thank you for the list. We will work on this as we can. We are extremely short-staffed currently, but are working hard to keep up.

Have a wonderful New Year!

Best Regards,

Hannah Bailey, MS, PAS

County Executive Director
Richland County, ND



North Dakota Farm Service Agency
1687 Bypass Road
Wahpeton, ND 58075
Phone: 701-642-9231

TEXT **ndrichland** to **372-669 (FSANOW)** for county text message updates!

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From: Destiny Kerr <Destiny.Kerr@erm.com>
Sent: Friday, December 17, 2021 4:11 PM
To: Bailey, Hannah - FPAC-FSA, Wahpeton, ND <Hannah.Bailey@usda.gov>
Cc: Larry Brown <Larry.Brown@erm.com>; jill.linn@WBIEnergy.com; Robbyn.Reukauf@WBIEnergy.com; Maggie Suter <Maggie.Suter@erm.com>
Subject: RE: [External Email]WBI Energy FSA Review - Richland County

Hi Hannah,

Thank you again for your assistance with this review. Please see the attached table and reach out if you need additional information.

Best,
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(she/her)
Consultant II, Scientist

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E destiny.kerr@erm.com | W www.erm.com

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From: Destiny Kerr
Sent: Thursday, December 16, 2021 4:29 PM
To: 'Bailey, Hannah - FPAC-FSA, Wahpeton, ND' <Hannah.Bailey@usda.gov>
Cc: Larry Brown <Larry.Brown@erm.com>; jill.linn@WBIEnergy.com; Robbyn.Reukauf@WBIEnergy.com; Maggie Suter

<Maggie.Suter@erm.com>

Subject: RE: [External Email]WBI Energy FSA Review - Richland County

Hi Hannah,

Thank you for your quick response. We will send a file with the section-township-range as soon as possible.

Best,

Destiny D. Kerr

(she/her)

Consultant II, Scientist

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E destiny.kerr@erm.com | **W** www.erm.com

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From: Bailey, Hannah - FPAC-FSA, Wahpeton, ND <Hannah.Bailey@usda.gov>

Sent: Thursday, December 16, 2021 3:29 PM

To: Destiny Kerr <Destiny.Kerr@erm.com>

Cc: Larry Brown <Larry.Brown@erm.com>; jill.linn@WBIEnergy.com; Robbyn.Reukauf@WBIEnergy.com; Maggie Suter <Maggie.Suter@erm.com>

Subject: RE: [External Email]WBI Energy FSA Review - Richland County

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Hello Destiny,

I believe this is something we may be able to help you with. However, in order to do this we need some more information. The map supplied is a little vague and it would be extremely hard to determine whether or not the pipe is going to go through CRP. Could you please supply us with some maps including the legal descriptions of the areas (i.e. section-township-range).

Thank you and have a great day!

Best Regards,

Hannah Bailey, MS, PAS

**County Executive Director
Richland County, ND**



North Dakota Farm Service Agency
 1687 Bypass Road
 Wahpeton, ND 58075
 Phone: 701-642-9231

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From: Destiny Kerr <Destiny.Kerr@erm.com>
Sent: Thursday, December 16, 2021 1:33 PM
To: Bailey, Hannah - FPAC-FSA, Wahpeton, ND <Hannah.Bailey@usda.gov>
Cc: Larry Brown <Larry.Brown@erm.com>; jill.linn@WBIEnergy.com; Robbyn.Reukauf@WBIEnergy.com; Maggie Suter <Maggie.Suter@erm.com>
Subject: [External Email]WBI Energy FSA Review - Richland County

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Good afternoon Hannah Bailey,

ERM is preparing environmental review documents on behalf of WBI Energy Transmission, Inc. for a development project affecting land in Richland County, ND. We respectfully request your review of Conservation Reserve Program lands crossed by the construction work area. Please see the attached document for the proposed seed-mixes and additional background information.

Your time and assistance is greatly appreciated. Please feel free to reach out if you have any questions.

Best,
Destiny D. Kerr
(she/her)
 Consultant II, Scientist

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WBI ENERGY TRANSMISSION, INC.
2010 Montana Avenue
Glendive, MT 593330
(800) 437-4630
www.wbienergy.com

16 December 2021

Transmitted By Email

Hannah Bailey
County Executive Director
Richland County Farm Service Agency
1687 Bypass Rd
Wahpeton, North Dakota 58075-3107
hannah.bailey@usda.gov

Subject: WBI Energy Transmission, Inc.
Proposed Wahpeton Expansion Project
Request for Information on Projects in the Vicinity

Dear Ms. Bailey,

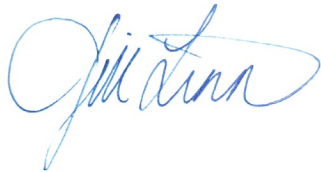
WBI Energy Transmission, Inc. (WBI Energy) operates an interstate natural gas transmission pipeline system in the Northern Plains and is proposing to expand its system in southeastern North Dakota. The proposed Wahpeton Expansion Project (Project) will involve constructing approximately 60 miles of 12-inch diameter natural gas pipeline from WBI Energy's existing Mapleton Compressor Station near Mapleton, North Dakota, to a new delivery station near Wahpeton, North Dakota. The Project will also include minor modifications at the Mapleton Compressor Station and two new delivery stations, one near Kindred, North Dakota and (as previously mentioned) one near Wahpeton. The enclosed map shows the preliminary proposed pipeline route and locations of project facilities.

The Federal Energy Regulatory Commission (FERC) is the lead federal agency responsible for the review of the Project. ERM-West, Inc. (ERM) is assisting WBI Energy with assessing the potential environmental impacts of the Project for the FERC application. This assessment will include a discussion on land use and conservation areas in the vicinity of the Project.

We are requesting your assistance in identifying Conservation Reserve Program lands within the vicinity of the Wahpeton Expansion Project that should be considered in our assessment. Information regarding the timing of these projects and maps or other locational information that would allow us to graphically display the locations of these projects relative to the Wahpeton Expansion Project would also be appreciated.

Thank you for your assistance with this matter. Receiving your responses within 30 days or by January 14, 2022 will allow WBI Energy to maintain the project schedule. If you need more detailed information about the Project route or have questions, I can be reached at (406)-359-7332 or via email at jill.linn@wbienergy.com. If I am unavailable, you can also contact Maggie Suter from ERM by telephone at (410) 972-4125 or via email at maggie.suter@erm.com.

Sincerely,



Jill Linn
Environmental Manager
WBI Energy Transmission, Inc.

Enclosures: Project Overview Map

cc: Robbyn Reukauf, WBI Energy
Maggie Suter, ERM

From: [Dirk, Christine](#)
To: [Leslie Rodman-Jaramillo](#)
Cc: [Becky Moores](#)
Subject: RE: Response Letter for WBI Wahpeton Project
Date: Friday, December 17, 2021 12:40:25 PM
Attachments: [ERM_NDPRD_R21-03.zip](#)

WARNING: The sender of this email could not be validated and may not match the person in the "From" field.

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Hello,

Please find the requested data attached. It is our policy to require the recipient of an electronic data transfer and/or spatial data transfer to sign an agreement for the release of data. Please read through the attached agreement and send a signed version to our office. Upon receipt the NDNHI coordinator will also sign the agreement. A copy of this finalized version will be sent to your office for your records.

Christine Dirk

GIS Specialist

701.328.5368 • parkrec.nd.gov



From: Leslie Rodman-Jaramillo <leslie.rodmanjaramillo@erm.com>
Sent: Tuesday, December 14, 2021 6:16 PM
To: Dirk, Christine <cdirk@nd.gov>
Subject: RE: Response Letter for WBI Wahpeton Project

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Hi Chris,

Sounds good, please keep me posted.

Thanks.

Leslie Rodman-Jaramillo
Senior Consultant, Scientist
Pronouns: she/her/hers
ERM
M +1 503 984 6609

From: Dirk, Christine <cdirk@nd.gov>
Sent: Monday, December 13, 2021 6:29 AM
To: Leslie Rodman-Jaramillo <leslie.rodmanjaramillo@erm.com>
Subject: RE: Response Letter for WBI Wahpeton Project

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Hello Leslie,

I will be working on this request today and will try to get it done by day's end.

Chris

Christine Dirk

GIS Specialist

701.328.5368 • parkrec.nd.gov



From: Leslie Rodman-Jaramillo <leslie.rodmanjaramillo@erm.com>
Sent: Monday, November 15, 2021 3:31 PM
To: Dirk, Christine <cdirk@nd.gov>
Cc: Lauren Rosenkranz <Lauren.Rosenkranz@erm.com>; Becky Moores <Becky.Moores@erm.com>
Subject: RE: Response Letter for WBI Wahpeton Project

***** **CAUTION:** This email originated from an outside source. Do not click links or open attachments unless you know they are safe. *****

Hello Chris,

As promised in my voicemail left today (11/15), I'm following up on our shapefile (section 6(f) lands and NHI data) request and providing you with my contact information.

Please let me know if you have additional questions.

Thank you,
Leslie

Leslie Rodman-Jaramillo
Senior Consultant, Scientist
Pronouns: she/her/hers
ERM
M +1 503 984 6609

From: Becky Moores <Becky.Moores@erm.com>
Sent: Monday, November 8, 2021 11:44 AM
To: Dirk, Christine <cdirk@nd.gov>
Cc: Leslie Rodman-Jaramillo <leslie.rodmanjaramillo@erm.com>; Lauren Rosenkranz <Lauren.Rosenkranz@erm.com>
Subject: RE: Response Letter for WBI Wahpeton Project

Hello Christine,

Following up on this request to see if you can provide shapefiles for the properties, section 6(f) lands, and the Natural Heritage inventory data.

Thank you,

Becky Moores

ERM
M 303 919 6735

From: Becky Moores
Sent: Friday, October 29, 2021 2:03 PM
To: 'Dirk, Christine' <cdirk@nd.gov>
Cc: Lauren Rosenkranz <Lauren.Rosenkranz@erm.com>
Subject: RE: Response Letter for WBI Wahpeton Project

Hi Christine,

Looks like your firewall blocked my email with a zip file in it, so I have attached the individual files for the shapefile for the current route. It is still fluctuating a bit, but seeing any data you can provide may help in the final siting and/or early mitigation planning, if needed.

Thank you,

Becky Moores

ERM
M 303 919 6735

From: Becky Moores
Sent: Friday, October 29, 2021 1:59 PM
To: Dirk, Christine <cdirk@nd.gov>
Cc: Lauren Rosenkranz <Lauren.Rosenkranz@erm.com>
Subject: RE: Response Letter for WBI Wahpeton Project

Hi Christine,

Attached is the current route. It is still fluctuating a bit, but seeing any data you can provide may help in the final siting and/or early mitigation planning, if needed.

Thank you,

Becky Moores

ERM
M 303 919 6735

From: Dirk, Christine <cdirk@nd.gov>
Sent: Friday, October 22, 2021 2:02 PM
To: Becky Moores <Becky.Moores@erm.com>
Subject: FW: Response Letter for WBI Wahpeton Project

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Hello,

Could you provide a project boundary shapefile or geodatabase file? The project boundary I used in the initial request was just a guess on my part based on the paper map. Thanks.

Chris

Christine Dirk
GIS Specialist

701.328.5368 • parkrec.nd.gov

From: Duttonhefner, Kathleen G. <kgduttonhefner@nd.gov>
Sent: Tuesday, October 12, 2021 7:15 AM
To: Dirk, Christine <cdirk@nd.gov>
Subject: FW: Response Letter for WBI Wahpeton Project

See request below

Kathy D

From: Becky Moores <Becky.Moores@erm.com>
Sent: Monday, October 11, 2021 4:16 PM
To: Duttonhefner, Kathleen G. <kgduttonhefner@nd.gov>
Subject: Response Letter for WBI Wahpeton Project

***** **CAUTION:** This email originated from an outside source. Do not click links or open attachments unless you know they are safe. *****

Hello Kathy,

I am reaching out to you in regards to the letter your department provided in response to the WBI Wahpeton Expansion Project. I wanted to see if you would be able to provide shapefiles or other spatial files for the properties, section 6(f) lands, and the Natural Heritage inventory data in the map that was included with the letter. We would like to incorporate this information into our project GIS system for planning and permitting purposes.

Thank you,

Becky Moores
Principal Consultant

ERM
1 Ninth Street Island Drive | Livingston, Montana | 59047
M 303 919 6735
E becky.moores@erm.com | **W** www.erm.com

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October 6, 2021

Jill Linn
WBI Energy Transmission, Inc.
2010 Montana Ave.
Glendive, MT 59330

Re: WBI Energy Transmission – Proposed Wahpeton Expansion Project, Cass and Richland Counties

Dear Ms. Linn,

The North Dakota Parks and Recreation Department (NDPRD) has reviewed the above-referenced proposed Wahpeton Expansion Project in Cass and Richland Counties, North Dakota. NDPRD's scope of authority and expertise covers properties that NDPRD owns, leases, or manages; properties protected under Section 6(f) of the Land and Water Conservation Fund (LWCF); rare plants and ecological communities established through the Natural Heritage Program.

The project does not appear to affect properties that NDPRD owns, leases, or manages. The project may affect any properties protected under Section 6(f) of the LWCF.

Several Land and Water Conservation Fund project has been identified near the proposed project's vicinity. Attached is a map identifying the approximate locations. Properties that have received funding from the LWCF program have a designated 6(f) property boundary that carries restrictions on modifications to the property, including but not limited to utilities or any divesture of land. For additional information regarding LWCF properties, don't hesitate to contact Char Langehaug, ND Parks and Recreations Department's Grants Coordinator, at cbinstock@nd.gov or 701-328-5364.

A query of the North Dakota Natural Heritage biological conservation database determines if any current or historical plant or animal species of concern or other significant ecological communities are known to occur within an approximate one-mile radius of the project area. Based on this review, we have known rare species or significant ecological communities documented within or immediately adjacent to the project site. Attached is a map identifying the approximate locations.

We appreciate your commitment to rare plant, animal, and ecological community conservation, management, and inter-agency cooperation to date. For additional information, please get in touch with Natural Resources Coordinator Kathy Duttenhefner at 701-328-5370, 701-220-3377 (cell), or kgduttenhefner@nd.gov.

Thank you for the opportunity to comment on the proposed project.

Sincerely,

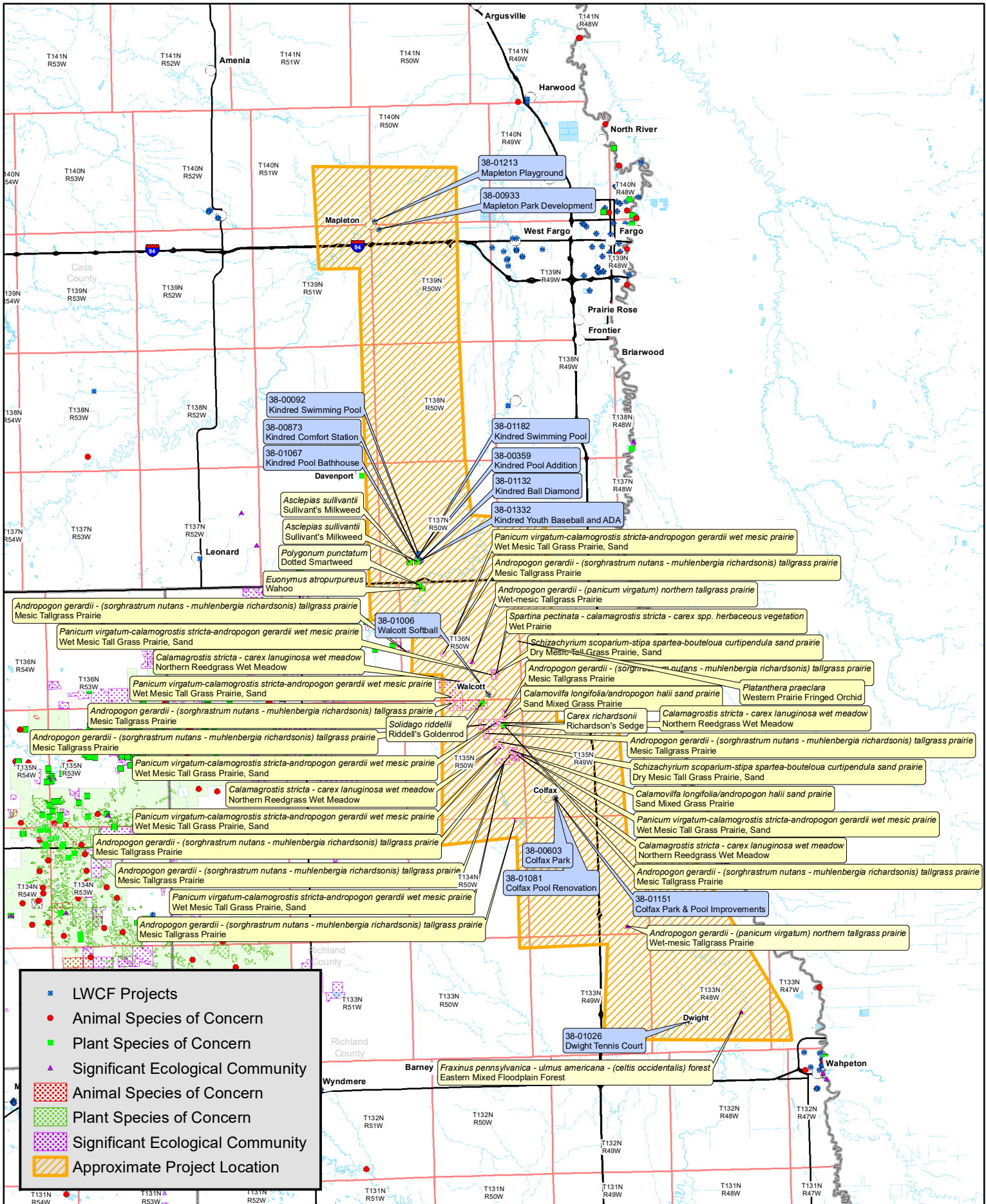
A handwritten signature in black ink that reads "Kathy Duttenhefner".

Kathy Duttenhefner, Coordinator/Biologist II
Natural Resources Division

1600 East Century Ave. Ste. 3 | Bismarck, ND 58503

PHONE: 701-328-5357 | FAX: 701-328-5363 | EMAIL: parkrec@nd.gov | WEBSITE: www.parkrec.nd.gov

North Dakota Parks and Recreation Department North Dakota Natural Heritage Inventory



North Dakota Natural Heritage Inventory
Rare Animal and Plant Species and Significant Ecological Communities

State Scientific Name	State Common Name	State Rank	Global Rank	Federal Status	Township Range Section	County	Last Observation	Estimated Representation Accuracy	Precision
Andropogon gerardii - (panicum virgatum) northern tallgrass prairie	Wet-mesic Tallgrass Prairie	S1	GNR		136N050W - 27	Richland	1991-07-31		S
Andropogon gerardii - (sorghastrum nutans - muhlenbergia richardsonis) tallgrass prairie	Mesic Tallgrass Prairie	S1	GNR		134N050W - 01	Richland	1997	Very High	S
Andropogon gerardii - (sorghastrum nutans - muhlenbergia richardsonis) tallgrass prairie	Mesic Tallgrass Prairie	S1	GNR		135N050W - 01	Richland	1997	Very High	S
Andropogon gerardii - (sorghastrum nutans - muhlenbergia richardsonis) tallgrass prairie	Mesic Tallgrass Prairie	S1	GNR		135N050W - 04; 136N050W - 33; 135N050W - 05; 136N050W - 32; 135N050W - 03; 135N050W - 02; 136N050W - 34	Richland	1997	Very High	S
Andropogon gerardii - (sorghastrum nutans - muhlenbergia richardsonis) tallgrass prairie	Mesic Tallgrass Prairie	S1	GNR		135N050W - 11	Richland	1997	Very High	S
Andropogon gerardii - (sorghastrum nutans - muhlenbergia richardsonis) tallgrass prairie	Mesic Tallgrass Prairie	S1	GNR		135N050W - 11; 135N050W - 02; 135N050W - 12; 135N050W - 10; 135N050W - 01	Richland	1997	Very High	S
Andropogon gerardii - (sorghastrum nutans - muhlenbergia richardsonis) tallgrass prairie	Mesic Tallgrass Prairie	S1	GNR		135N050W - 12	Richland	1997	Very High	S
Andropogon gerardii - (sorghastrum nutans - muhlenbergia richardsonis) tallgrass prairie	Mesic Tallgrass Prairie	S1	GNR		135N050W - 24; 135N050W - 13	Richland	1997	Very High	S
Andropogon gerardii - (sorghastrum nutans - muhlenbergia richardsonis) tallgrass prairie	Mesic Tallgrass Prairie	S1	GNR		135N050W - 24; 135N050W - 14; 135N050W - 23; 135N050W - 13	Richland	1997	Very High	S
Andropogon gerardii - (sorghastrum nutans - muhlenbergia richardsonis) tallgrass prairie	Mesic Tallgrass Prairie	S1	GNR		136N050W - 19	Richland	1997	Very High	S
Andropogon gerardii - (sorghastrum nutans - muhlenbergia richardsonis) tallgrass prairie	Mesic Tallgrass Prairie	S1	GNR		136N050W - 21	Richland	1997	Very High	S
Asclepias sullivantii	Sullivant's Milkweed	S2	G5		137N050W - 29; 137N050W - 28; 137N050W - 21; 137N050W - 32; 137N050W - 30; 137N050W - 33; 137N050W - 20; 136N050W - 06; 137N050W - 19; 136N050W - 05; 136N051W - 01; 137N050W - 31	Cass, Richland	1942-08-04		M
Asclepias sullivantii	Sullivant's Milkweed	S2	G5		137N050W - 29; 137N050W - 33; 137N050W - 31; 137N050W - 34; 136N050W - 05; 137N050W - 27; 137N050W - 20; 136N050W - 06; 137N050W - 30; 137N050W - 32; 137N050W - 21; 137N050W - 28	Cass, Richland	1954-07-15		M
Calamagrostis stricta - carex lanuginosa wet meadow	Northern Reedgrass Wet Meadow	S2S3	GNR		135N050W - 11	Richland	1997	Very High	S
Calamagrostis stricta - carex lanuginosa wet meadow	Northern Reedgrass Wet Meadow	S2S3	GNR		135N050W - 13; 135N050W - 24	Richland	1997	Very High	S
Calamagrostis stricta - carex lanuginosa wet meadow	Northern Reedgrass Wet Meadow	S2S3	GNR		135N050W - 14; 135N050W - 13	Richland	1997	Very High	S
Calamagrostis stricta - carex lanuginosa wet meadow	Northern Reedgrass Wet Meadow	S2S3	GNR		136N050W - 33; 135N050W - 02; 136N050W - 34	Richland	1997	Very High	S
Calamovilfa longifolia/andropogon halii sand prairie	Sand Mixed Grass Prairie	S2	GNR		135N050W - 01	Richland	1997	Very High	S
Calamovilfa longifolia/andropogon halii sand prairie	Sand Mixed Grass Prairie	S2	GNR		135N050W - 03; 136N050W - 34; 135N050W - 02	Richland	1997	Very High	S

North Dakota Natural Heritage Inventory
Rare Animal and Plant Species and Significant Ecological Communities

State Scientific Name	State Common Name	State Rank	Global Rank	Federal Status	Township Range Section	County	Last Observation	Estimated Representation Accuracy	Precision
<i>Calamovilfa longifolia</i> / <i>andropogon halii</i> sand prairie	Sand Mixed Grass Prairie	S2	GNR		135N050W - 13	Richland	1997	Very High	S
<i>Carex richardsonii</i>	Richardson's Sedge	S1	G5		135N050W - 12	Richland	1994-08-14		S
<i>Euonymus atropurpureus</i>	Wahoo	S3	G5		136N050W - 05; 136N050W - 29; 136N050W - 18; 136N051W - 02; 136N051W - 27; 137N049W - 30; 136N050W - 28; 136N051W - 36; 136N051W - 26; 136N050W - 02; 137N050W - 11; 137N050W - 07; 136N051W - 04; 136N049W - 07; 136N050W - 16; 136N049W - 06; 136N050W - 17	Cass, Richland	1926-07-04		G
<i>Panicum virgatum</i> - <i>calamogrostis stricta</i> - <i>andropogon gerardii</i> wet mesic prairie	Wet Mesic Tall Grass Prairie, Sand	S2	G3G4		135N050W - 04; 135N050W - 05; 136N050W - 33; 136N050W - 32; 136N050W - 34	Richland		Very High	
<i>Panicum virgatum</i> - <i>calamogrostis stricta</i> - <i>andropogon gerardii</i> wet mesic prairie	Wet Mesic Tall Grass Prairie, Sand	S2	G3G4		135N050W - 10; 135N050W - 11	Richland		Very High	
<i>Panicum virgatum</i> - <i>calamogrostis stricta</i> - <i>andropogon gerardii</i> wet mesic prairie	Wet Mesic Tall Grass Prairie, Sand	S2	G3G4		135N050W - 13; 135N049W - 18	Richland		Very High	
<i>Panicum virgatum</i> - <i>calamogrostis stricta</i> - <i>andropogon gerardii</i> wet mesic prairie	Wet Mesic Tall Grass Prairie, Sand	S2	G3G4		135N050W - 14; 135N050W - 13	Richland		Very High	
<i>Panicum virgatum</i> - <i>calamogrostis stricta</i> - <i>andropogon gerardii</i> wet mesic prairie	Wet Mesic Tall Grass Prairie, Sand	S2	G3G4		135N050W - 14; 135N050W - 24; 135N050W - 23; 135N050W - 13	Richland		Very High	
<i>Panicum virgatum</i> - <i>calamogrostis stricta</i> - <i>andropogon gerardii</i> wet mesic prairie	Wet Mesic Tall Grass Prairie, Sand	S2	G3G4		136N050W - 22; 136N050W - 21; 136N050W - 15; 136N050W - 16	Richland		Very High	
<i>Panicum virgatum</i> - <i>calamogrostis stricta</i> - <i>andropogon gerardii</i> wet mesic prairie	Wet Mesic Tall Grass Prairie, Sand	S2	G3G4		136N050W - 26	Richland		Very High	
<i>Platanthera praeclara</i>	Western Prairie Fringed Orchid	S2	G3	LT	136N050W - 24	Richland	1984-07-15	High	
<i>Polygonum punctatum</i>	Dotted Smartweed	S3	G5		136N050W - 05; 137N050W - 23; 136N051W - 11; 137N051W - 34; 137N050W - 22; 136N051W - 25; 136N051W - 12; 137N050W - 19; 137N050W - 36; 136N051W - 22; 136N050W - 06; 136N051W - 13; 137N050W - 18; 136N050W - 01; 136N050W - 24; 137N051W - 27; 136N050W - 17	Cass, Richland	1934-08-09		G
<i>Schizachyrium scoparium</i> - <i>stipa spartea</i> - <i>bouteloua curtipendula</i> sand prairie	Dry Mesic Tall Grass Prairie, Sand	S2	G2G3		135N050W - 14; 135N050W - 13; 135N050W - 11; 135N050W - 12	Richland	1997-08-13	Very High	S
<i>Schizachyrium scoparium</i> - <i>stipa spartea</i> - <i>bouteloua curtipendula</i> sand prairie	Dry Mesic Tall Grass Prairie, Sand	S2	G2G3		136N050W - 26	Richland	1997-08-13	Very High	S
<i>Solidago riddellii</i>	Riddell's Goldenrod	SH	G5		135N050W - 03; 136N050W - 34; 136N050W - 19; 136N050W - 12; 136N050W - 23; 135N049W - 29; 135N050W - 02; 135N050W - 25; 136N050W - 30; 136N049W - 29; 135N050W - 16; 136N050W - 09; 135N050W - 06; 136N050W - 14; 136N050W - 32; 135N049W - 16; 135N050W - 04	Richland	1961-08-14		G
<i>Spartina pectinata</i> - <i>calamagrostis stricta</i> - <i>carex</i> spp. herbaceous vegetation	Wet Prairie	S2S3	GNR		136N050W - 26	Richland	1997	Very High	S

Land and Water Conservation Fund Projects

<u>Project Name</u>	<u>Project Number</u>
Colfax Park	38-00603
Colfax Park & Pool Improvements	38-01151
Colfax Pool Renovation	38-01081
Dwight Tennis Court	38-01026
Kindred Ball Diamond	38-01132
Kindred Comfort Station	38-00873
Kindred Pool Addition	38-00359
Kindred Pool Bathhouse	38-01067
Kindred Swimming Pool	38-00092
Kindred Swimming Pool	38-01182
Kindred Youth Baseball and ADA	38-01332
Mapleton Park Development	38-00933
Mapleton Playground	38-01213
Walcott Softball	38-01006



WBI ENERGY TRANSMISSION, INC.
2010 Montana Avenue
Glendive, MT 59330
(406) 359-7200
www.wbienergy.com

September 13, 2021

North Dakota Parks and Recreation Department
Planning and Natural Resources Division
1600 E. Century Avenue
Suite 3
Bismarck, ND 58503-0649
(701)-328-5357

Subject: WBI Energy Transmission, Inc.
Proposed Wahpeton Expansion Project
Cass and Richland Counties, North Dakota

To Whom it may Concern:

WBI Energy Transmission, Inc. (WBI Energy) operates a natural gas transmission pipeline system in the Northern Plains and is proposing to expand its system in southeastern North Dakota. The Wahpeton Expansion Project will involve constructing approximately 60 miles of 12-inch diameter natural gas pipeline from WBI Energy's existing Mapleton Compressor Station near Mapleton, North Dakota, to a new delivery station near Wahpeton, North Dakota. The project will include minor modifications at the Mapleton Compressor Station and a new delivery station near Kindred, North Dakota. The enclosed map shows the preliminary proposed pipeline route and locations of project facilities.

This project will allow WBI Energy to transport an additional 20.6 million cubic feet of natural gas per day to help meet growing demand for natural gas in southeastern North Dakota. Montana-Dakota Utilities Co., a local distribution company, has engaged WBI Energy to construct this project to fulfill Wahpeton customers' needs for additional uninterrupted natural gas supply and to extend natural gas service to Kindred, at the request of city officials and residents.

The project is regulated by the Federal Energy Regulatory Commission (FERC) under Section 7(c) of the Natural Gas Act. Under the Energy Policy Act of 2005, FERC is the lead agency for coordinating federal authorizations and complying with the National Environmental Policy Act (NEPA) on natural gas pipeline projects subject to its jurisdiction. WBI Energy plans to submit an application with

the FERC in May 2022 for a Certificate of Public Convenience and Necessity to construct and operate the proposed pipeline and associated facilities. Applications for other federal or state authorizations will be submitted prior to or at approximately the same time as the FERC application, or on timelines defined by the appropriate federal or state regulations. Pending regulatory approvals, WBI Energy anticipates beginning construction in early 2024, with the new facilities in service by November 2024.

WBI Energy plans to file a request with the FERC to use the FERC's pre-filing process for the project. This process will provide agencies, landowners, and other stakeholders the opportunity to work with WBI Energy and the FERC to identify and resolve environmental issues prior to the filing of the Certificate application, which will result in a more efficient regulatory review process. WBI Energy plans to submit its request to use the pre-filing process in late September 2021 and anticipates receiving FERC's approval to use the process in early October 2021. Pending FERC's approval, WBI Energy will also hire and fund a third-party environmental consultant to assist FERC in the preparation of the NEPA document for the project.

WBI Energy has retained Environmental Resources Management (ERM) to provide environmental support services for the project. An ERM representative and/or FERC staff will be in touch with you in the near future to gauge your interest in participating in the pre-filing process, provide additional information, and discuss specific permitting and/or consultation requirements. In the meantime, if you have questions about the project, please contact me at 406-359-7332 or Maggie Suter of ERM at 410-972-4125.

Thank you for your time and assistance with this project.

Sincerely,



Jill Linn
Environmental Affairs
WBI Energy Transmission, Inc.

Enclosures: Project Overview Map

cc: Robbyn Reukauf, WBI Energy Transmission, Inc.
Maggie Suter, ERM

From: [Lisa DiNicolantonio](#)
To: christopher_loudenslager@nps.gov
Cc: jill.linn@WBIEnergy.com; Robbyn.Reukauf@WBIEnergy.com; [Maggie Suter](#); [Larry Brown](#)
Subject: WBI Energy - NPS Review
Date: Thursday, January 27, 2022 9:11:00 AM
Attachments: [NPS Wahpeton Agency Intro Letter 012722.pdf](#)
[Wahpeton NCNST Images.pdf](#)

Good morning Superintendent Loudenslager,

ERM is preparing environmental review documents on behalf of WBI Energy Transmission, Inc. for a development project affecting land in Cass and Richland Counties, ND. We respectfully request your review of the North County National Scenic Trail located near and crossed by the construction work area. Please see the attached documents for images of the crossings and additional background information.

Your time and assistance is greatly appreciated. Please feel free to reach out if you have any questions.

Thanks,
Lisa

Lisa DiNicolantonio
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Pronouns: she/her/hers

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From: [Hendrickson, Kenneth A](#)
To: [Lisa DiNicolantonio](#)
Cc: [Loudenslager, Christopher E](#)
Subject: Wahpeton Expansion Project - Cass and Richland Counties, ND
Date: Thursday, February 10, 2022 9:38:39 AM

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Hello Ms. DiNicolantonio,

Thank you for sending the information regarding the proposed Wahpeton Expansion Project in Cass and Richland Counties, North Dakota. We are currently reviewing this information with our partners in the North Country Trail Association and local partners that are best positioned to understand any potential impacts to the North Country National Scenic Trail.

After reviewing this information and discussing it with our partners, I anticipate that we will have questions regarding proposed work areas, construction methods, and restoration methods. NPS may also have additional specific concerns related to the North Country National Scenic Trail. Please keep our office on your list of contacts for the pre-filing process. I look forward to discussing this project with you in the future.

Thank you,
Ken

Ken Hendrickson – Trail Manager
North Country National Scenic Trail
National Park Service
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APPENDIX 8D ROAD AND RAILROAD CROSSINGS

APPENDIX 8D				
Wahpeton Expansion Project Road and Railroad Crossings				
Facility/Milepost	Type	Name	Crossing Method	Approximate Crossing Length ^a (feet)
0.7	Road	35 St SE	Bore	25.1
1.5	Road	163rd Ave SE	Bore	23.5
2.7	Road	164th Ave SE	Bore	13.4
3.7	Road	165th Ave SE	Bore	25.8
4.9	Road	36th St SE	Bore	35.1
5.1	Railroad	Burlington Northern Santa Fe	Bore	20.8
5.9	Road	Local Neighborhood Road, Rural Road	Bore	17.4
5.9	Road	I-94	Bore	49.5
5.9	Road	I-94	Bore	53.3
5.9	Road	37th St SE	Bore	30.1
6.5	Road	165th Ave SE	Bore	25.7
7.2	Road	38th St SE	Bore	23.5
8.2	Road	39th St SE	Bore	17.2
8.4	Road	165th Ave SE	Bore	35.2
9.2	Road	40th St SE	Bore	20.3
10.7	Road	41st St SE	Bore	40.4
10.7	Road	166th Ave SE	Bore	18.2
11.7	Road	42nd St SE	Bore	20.4
12.2	Road	166th Ave SE	Bore	25.9
12.7	Road	43rd St SE	Bore	12.9
13.7	Road	44th St SE	Bore	49.4
13.7	Road	166th Ave SE	Bore	15.7
14.7	Road	45th St SE	Bore	25.7
14.7	Road	166th Ave SE	Bore	12.3
15.7	Road	46th St SE	Bore	29.8
16.7	Railroad	Red River Valley and Western	Bore	20.1
16.7	Road	47th St SE	Bore	15.6
17.7	Road	48th St SE	Bore	28.2
18.8	Road	49th St SE	Bore	19.3
19.8	Road	50th St SE	Bore	17.1
19.8	Road	166th Ave SE	Bore	13.4
20.8	Road	51st St SE	Bore	14.9
21.8	Road	52nd St SE	Bore	30.2
23.3	Road	53rd St SE	Bore	20.4
24.7	Road	54th St SE	Bore	24.9
26.6	Road	166th Ave SE	Bore	25.6

APPENDIX 8D				
Wahpeton Expansion Project Road and Railroad Crossings				
Facility/Milepost	Type	Name	Crossing Method	Approximate Crossing Length ^a (feet)
27.7	Road	167th Ave SE	Bore	20.2
28.3	Road	55th St SE	Bore	8.2
29.3	Road	Local Neighborhood Road, Rural Road	Bore	19.5
30.3	Road	57th St SE	Bore	28.1
31.4	Road	58th St SE	Bore	17.8
32.4	Road	59th St SE	Bore	16.5
32.6	Road	Local Neighborhood Road, Rural Road	Open-cut	12.8
33.4	Road	60th St SE	Bore	27.6
34.5	Road	61st St SE	Open-cut	14.8
35.6	Road	62nd St SE	Bore	19.7
36.1	Road	168th Ave SE	Bore	39.5
36.2	Road	Local Neighborhood Road, Rural Road	Open-cut	24.8
36.8	Road	63rd St SE	Bore	21.3
37.5	Road	169th Ave SE	Bore	29.4
38.5	Road	170th Ave SE	Bore	18.4
40.5	Road	171st Ave SE	Bore	20.8
40.9	Road	I-29	Bore	38.5
41.0	Road	I-29	Bore	38.5
41.0	Road	64th St SE	Bore	36.7
42.4	Road	65th St SE	Bore	23.6
44.4	Road	67th St SE	Bore	24.2
44.4	Road	172nd Ave SE	Bore	31.9
45.4	Road	68th St SE	Bore	25.3
46.4	Road	69th St SE	Bore	12.8
48.0	Road	Private Road for service vehicles (logging, oil fields, ranches, etc.)	Bore	22.3
48.3	Road	70th St SE	Bore	24.3
48.9	Road	173rd Ave SE	Bore	21.7
49.9	Road	174th Ave SE	Bore	20.6
51.9	Road	176th Ave SE	Bore	21.4
52.9	Road	177th Ave SE	Bore	32.8
53.2	Railroad	Historic - MILW	Open-cut	N/A
54.4	Road	71st St SE	Bore	28.7
55.3	Railroad	Historic - MILW	Open-cut	N/A
55.4	Road	72nd St SE	Bore	37.8

APPENDIX 8D				
Wahpeton Expansion Project Road and Railroad Crossings				
Facility/Milepost	Type	Name	Crossing Method	Approximate Crossing Length ^a (feet)
56.4	Road	73rd St SE	Bore	22.3
57.5	Road	74th St SE	Bore	24.3
57.7	Road	178th Ave SE	Bore	13.9
58.6	Road	179th Ave SE	Bore	25.1
58.9	Railroad	Historic - MILW	Open-cut	N/A
60.1	Road	180th Ave SE	Bore	68.9

^a Crossing Length refers to the Bore Method from pit to pit when the crossing method is bore.