

# **Telephone Memo**



Called: Bill Sande - U.S. Army Corps of Engineers

Lindsey Tekler - Wisconsin Depart of Natural Resources Ben Callan - Wisconsin Depart of Natural Resources Adam Ingwall – Public Service Commission of Wisconsin

Caller: Daniel McCourtney - Allete, Inc.

Brad Foss - Dairyland Power Cooperative

Tim Barton, Brian Roh, and Tyler Beemer – Burns & McDonnell

Subject of Call: NTEC Wetland and Waterway Permitting

Call Date: June 8<sup>th</sup>, 2018

Call Time: 9 AM

Project Name: NTEC Project No.: 101798

Memo Prepared By: Tyler Beemer

Date Memo Issued: November 21st, 2018

#### Summary:

Dan McCourtney scheduled a conference call with the U.S. Army Corps of Engineers – St Paul District (USACE), Wisconsin Department of Natural Resources (WDNR), and Public Service Commission of Wisconsin (PSCW) to discuss preliminary permitting requirements and procedures for the proposed NTEC project, including all preferred and alternative components (Project). Dan McCourtney discussed the current status of the Project and outlined a tentative schedule in which wetland and waterway permits under the authority of WDNR and USACE would be submitted. The WDNR and USACE provided helpful feedback regarding their preliminary expectations and requirements per the upcoming wetland and waterway permit applications, which are summarized below:

- The WDNR and USACE were encouraging of Burns & McDonnell field survey and desktop analysis protocols for the on-going wetland delineation efforts.
  - Both agencies understood that on the ground survey access to the entire Project area was likely infeasible, primarily based on private land owner survey access denials.
- The WDNR and USACE were made aware that there would be some areas of overlap between Project components, such that mitigation would need to be adjusted as not to double count overlapping impacts.
  - This was noted as being primarily important for wetland conversion in linear utility rights-of-way
- The WDNR indicated that use of temporary culverts for construction access in waterways they deemed navigable for public use should avoided.

## Telephone Memo (cont'd)



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- The WDNR requested that all temporary construction access waterway crossings should try to use spanning methods as not to impede flow and potential public use.
- The WDNR provided further clarification on their definition of "high-quality" and "significant" wetlands
  - o "High quality" wetlands in the general Project area are typically regarded as being undisturbed and having rare or sensitive native vegetation species, such as various sedge species and/or lack of invasive species, such as reed canary grass.
  - o "Significant" wetlands in the general Project area are typically regarded as being large and generally undisturbed.
    - The WDNR clarified that there is no official definition of either classification, but that the Wisconsin Rapid Wetland Assessment Methodology (WRAM) process generally serves as a good tool to determine wetland quality and significance.
      - Burns & McDonnell agreed to include WRAM forms in the wetland delineation report in order to aid in determining wetland quality and significance.
- As the PSCW requires a review of both preferred and alternative Project components, the USACE indicated that they would not accept an application for Section 10 and Section 401/404 permitting until a final, single set of Project components was selected by the PSCW.
  - The USACE requested all available data to review (primarily the wetland delineation report) in advance of the permit application in hopes of shortening the overall permitting process.
    - It was agreed that the wetland delineation report would be provided to both the WDNR and USACE before the end of year, concurrent with the PSCW Project submittals.
  - The USACE also agreed to review a draft Section 10 and Section 401/404 permit application for completeness prior to PSCW's determine of a final Project component determination.

As of November 2018, a draft Section 10 and Section 401/404 permit application is tentatively scheduled to be submitted in January 2019 to the USACE for a completeness review; while the WDNR wetland and waterway permit applications are schedule to be submitted in mid-December 2018.



**APPLICANT:** ALLETE, Inc.

# **Public Notice**

ISSUED: September 14, 2020 EXPIRES: October 14, 2020

SECTION: 404 - Clean Water Act SECTION: 10 Rivers and Harbors Act

**REFER TO**: 2020-00887-WMS

1. APPLICATION FOR PERMIT TO discharge dredged and fill material in 54.77 acres of wetlands for the construction of the Nemadji Trail Energy Center and associated components, and construct a transmission line over the Nemadji River, a Section 10 Navigable Water of the Unites States.

#### 2. SPECIFIC INFORMATION

APPLICANT: ALLETE, Inc.

c/o Dan McCourtney 30 West Superior Street Duluth, MN 55802

AGENT: Burns & McDonnell Engineering Company, Inc.

C/o Tyler Beemer

8201 Norman Center Drive. Suite 300

Bloomington, MN 55437

PROJECT LOCATION: The proposed Nemadji Trail Energy Center power generation facility is located in Section 31, Township 49 North, Range 13 West, Douglas County, Wisconsin. The approximate center coordinates of the site are Latitude 46.68954, Longitude -92.04999.

The staging area for the generation facility is located in Section 31, Township 49 North, Range 13 West, Douglas County, Wisconsin.

The 345-kV transmission line structures would be constructed in Section 31, Township 49 North, Range 13 West, and Sections 5, 6, 8, 9, 16 & 17, Township 48 North, Range 13 West, Douglas County, Wisconsin.

The 16-inch diameter natural gas pipeline would be constructed in Sections 5, 6, 9, 16, 21, 28 & 33, Township 48 North, Range 13 West, Douglas County, Wisconsin.

The new Switchyard would be located in Section 17, Township 48 North, Range 13 West, Douglas County, Wisconsin.

DESCRIPTION OF PROJECT: South Shore Energy, LLC, a subsidiary of ALLETE, Inc., and Dairyland Power Cooperative, propose to construct the Nemadji Trail Energy Center (NTEC) project. The project consists of the construction of a 625- megawatt (MW) gas turbine generation facility, natural gas supply pipeline, 345-kilovolt (kV) transmission line, new switching station, relocation of existing natural gas pipeline and transmission line, staging areas, and laydown yards.

The proposed NTEC generation facility site for the project is approximately 26.3 acres in size and is located east of the existing Enbridge Energy Superior Terminal Facility, along the northwest bank of the Nemadji River and southeast of the intersection of 31st Avenue East and Grand Avenue in the City of Superior.

The staging area for the construction of the generation facility is approximately 24.8 acres in size is located along the northwest side of 31st Avenue and northeast of the intersection of 31st Avenue East and Grand Avenue in the City of Superior. The site is located on Enbridge's Superior Terminal property.

A 345-kV transmission line would be constructed between the generation facility and a new switching station located on the west side of Lyman Lake Road, approximately 1,680 feet south of the intersection of Lyman Lake Road and County Road Z in the City of Superior. The 345-kV transmission line route is approximately 3.7 miles in length and would be constructed as a single-circuit 345-kV line or as a double-circuit 345/161-kV line with the existing 161-kV Line No. 160, which is owned by Superior Water, Light & Power (SWL&P), an ALLETE company. Existing right-of-way would be used where the proposed transmission line is double circuited with the existing 161-kV transmission line. Additional right-of-way of approximately 25 feet along portions of the existing right-of-way would be required to accommodate the new transmission line.

SWL&P would construct a 16-inch diameter natural gas pipeline between the proposed NTEC generation facility and an existing Great Lakes Gas Transmission Company (GLGT) natural gas transmission pipeline located south of County Route C and west of Windmill Road. The route is approximately 6.8 miles in length and occurs mostly in existing natural gas pipeline right-of-way corridors.

To accommodate the new generation facility and new transmission line, the existing electric transmission lines that cross the NTEC generation facility site and the Nemadji River would be relocated. The relocation of the existing 115-kV (Line No. 132), 115-kV (Line No 761), and 161-kV (Line No 160) lines (the relocation routes) would occur prior to the start of construction for the generation facility.

BACKGROUND: The project required review and approval by the Public Service Commission of Wisconsin (PSCW). A certificate of Public Convenience and Necessity (CPCN) for the generation facility was issued by the PSCW on January 31, 2020. A (CPCN) was issued for the electric transmission line and switching station on January 30, 2020. A Certificate of Authority (CA) was issued for the natural gas pipeline was issued on March 3, 2020. The Wisconsin Department of Natural Resources, Office of Energy, is participating in a joint review process with the Wisconsin Public Service Public Service Commission of Wisconsin (PSCW) as described in Wisconsin Stat. §30.025, with respect to wetlands and navigable waterways. The United States Department of Agriculture - Rural Utilities Service is providing funding for the project and is the lead federal agency.

QUANTITY, TYPE, AND AREA OF FILL: Construction of the NTEC generation facility and associated components would result in both permanent and temporary discharges of dredged and fill material into wetlands. A summary of anticipated wetland impacts is shown on the table below. A detailed table of anticipated wetland impacts by wetland type for each project component is shown on Figure 2 of the attached drawings.

NTEC Project - Proposed Wetland Impacts

Project Component	Permanent Wetland Loss	Temporary Wetland Impacts	Forested to Emergent Wetland Conversion			
Generation Facility	4.4 Acres	0.3 Acre	0.9 Acre			
Overall Project Staging Area	0	21.2 Acres	4.6 Acres			
Transmission Line	1,240 Sq. Feet	8.4 Acres	4.7 Acres			
Switchyard	4.4 Acres	0	1.4 Acres			
Natural Gas Pipeline	0	16.0 Acre	2.6 Acre			

<sup>1 –</sup> To avoid double counting, permanent impacts are subtracted from temporary impact areas and conversion areas where they overlap.

VEGETATION IN AFFECTED AREA: The NTEC generation facility site supports a broadleaved deciduous upland and wetland forest community consisting of quaking aspen, common buckthorn, and black willow. Upland and wetland shrub communities consist of red-osier dogwood, honeysuckle, alder, and various willow species.

The existing utility corridors where the 345-kV transmission line route, transmission line relocation, and 16-inch diameter natural gas pipeline route have been previously disturbed and consist primarily of grassland and wet-meadow communities and include raspberry, goldenrod species, Kentucky bluegrass, Canada thistle, parasol white top, garden valerian, reed canary grass, wool grass, cattail and various sedge ad rush species.

The vegetation supported at the proposed switching station is within forested and scrub-shrub wetlands that consist mostly of quaking aspen, alder, willow species, common buckthorn, lake sedge, jewelweed and marsh marigold and swamp saxifrage.

SOURCE OF FILL MATERIAL: Clean fill material would come from a commercial source.

SURROUNDING LAND USE: The NTEC generation facility site is currently partially wooded with a parking lot and small stormwater pond in the northwest corner. Existing transmission lines and a natural gas pipeline cross the site.

The staging area for the generation facility is approximately 24.8 acres in size and includes an existing 1.2-acre disturbed area and 23.6-acre staging area. The staging area is located along the northwest side of 31st Avenue and northeast of the intersection of 31st Avenue East and Grand Avenue in the City of Superior. Several existing transmission lines and oil and gas pipelines cross the parcel containing the staging area.

The 345-kV transmission line route is approximately 3.7 miles in length and occurs primarily in existing transmission line right-of-way corridors through the City of Superior, Town of Superior, and the Town of Parkland in Douglas County.

The new switchyard is located in undeveloped public forest land owned by Douglas County.

The natural gas supply pipeline route occurs mostly in existing natural gas pipeline right-of-way corridors in the City of Superior and the Town of Parkland in Douglas County.

DESCRIPTION OF STRUCTURE: As part of the Project, several components will cross the Nemadji River, a Section 10 navigable water of the United States. The new transmission line will span the Nemadji River, one existing spanned transmission line will be relocated further south over the Nemadji River, and one existing spanned transmission line will be removed entirely. In addition, a new natural gas pipeline will be bored under the Nemadji River via horizontal directional drilling (HDD).

THE FOLLOWING POTENTIALLY TOXIC MATERIALS COULD BE USED AT THE PROJECT SITE: Hydraulic fluids and fuels from heavy equipment could potentially be found during construction.

THE FOLLOWING PRECAUTIONS TO PROTECT WATER QUALITY HAVE BEEN DESCRIBED BY THE APPLICANT: Horizontal Directional Drill (HDD) construction methods would be used to bore the natural gas pipeline under several perennial waterways. Trench breakers or similar structures will be installed to prevent groundwater from flowing along the line trench. For open cutting in waterways, flume and dam method will be used. Following the removal of the flume and dam system from each waterway crossing, grading back to preconstruction contours and slopes will occur as needed and be seeded with an approved seed mix. Temporary Clean Span Bridges (TCSB) would be used to cross nine waterways during the transmission line and natural gas pipeline construction phases. Clearing of forested and shrub dominated wetlands would be completed during frozen ground conditions or by hand or by reaching equipment that is parked in uplands. The ground would be left undisturbed such that the root-balls will not be impacted from clearing.

MITIGATION: The applicant proposes to compensate for the loss of wetland functions by purchasing credits from the Bluff Creek Wetland Mitigation Bank in Douglas County, Wisconsin. The final Mitigation Banking Instrument (MBI) for the Bluff Creek Mitigation Bank is currently pending review and approval from the Corps and the Interagency Review Team. The applicant also requests consideration of the Bear Creek Mitigation site as partial compensation for the project. The Bear Creek mitigation site was constructed in 2004 to provide permittee responsible compensation for the previously authorized Superior Generation project that was not constructed. A final determination of credit needs for the project and appropriate compensation, including the suitability of the Bear Creek site for partial compensation, is pending review.

# 3. FEDERALLY-LISTED THREATENED OR ENDANGERED WILDLIFE OR PLANTS OR THEIR CRITICAL HABITAT

None were identified by the applicant or are known to exist in the permit area. However, Douglas County is within the known or historic range of the following Federally-listed species:

Gray wolf – Endangered. Habitat: Northern forested areas.

Canada Lynx – Threatened. Habitat: There is final critical habitat for this species. The project location is outside the critical habitat.

Northern long-eared bat – Threatened. Habitat: Hibernates in caves and mines – swarming in surrounding wooded areas in autumn. During summer, roosts and forages in upland forests.

Regulatory Branch (File No. 2020-00887-WMS)

Piping Plover - Endangered. Habitat: Sandy beaches and islands

Red Knot - Threatened. Habitat: Coastal areas along Lake Superior.

Fassett's Locoweed – Threatened. Habitat: Open sandy lakeshores.

The Rural Utilities Service is the lead federal agency is for the proposed project and is coordinating with the U.S. Fish and Wildlife Service for compliance with the Endangered Species Act. Any impacts the project may have concerning Federally-listed threatened or endangered wildlife or plants or their critical habitat will be considered in our final assessment of the described work.

### 4. JURISDICTION

This application is being reviewed in accordance with the practices for documenting Corps jurisdiction under Sections 9 & 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act.

#### 5. STATE SECTION 401 WATER QUALITY CERTIFICATION

WATER QUALITY CERTIFICATION. This Public Notice has been sent to the Wisconsin Department of Natural Resources and is considered by the District Engineer to constitute valid notification to that agency for Section 401 water quality certification. A permit will not be granted until the Wisconsin Department of Natural Resources has issued or waived Section 401 certification.

#### 6. HISTORICAL/ARCHAEOLOGICAL

The Rural Utilities Service (RUS) is the lead federal agency for the proposed project and is coordinating with Wisconsin State Historic Preservation Office (SHPO) for compliance with the National Historic Preservation Act. Any impacts the project may have on historic properties will be considered in our final assessment of the described work. Any adverse effects on historic properties will be resolved prior to the Corps authorization, or approval, of the work in connection with this project.

#### 7. PUBLIC HEARING REQUESTS

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, in detail, the reasons for holding a public hearing. A request may be denied if substantive reasons for holding a hearing are not provided or if there is otherwise no valid interest to be served.

#### 8. PUBLIC INTEREST REVIEW

The decision whether to issue a permit will be based on an evaluation of the probable impact, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects. Among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion,

recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production and, in general, the needs and welfare of the people. Environmental and other documents will be available for review in the St. Paul District Office.

The Corps of Engineers is soliciting comments from the public; Federal, State, and local agencies and officials; Indian tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

#### 9. COASTAL ZONE MANAGEMENT.

This Public Notice has been sent to the agency responsible for Coastal Zone Management and is considered by the District Engineer to constitute valid notification to that agency for a Coastal Zone Consistency determination.

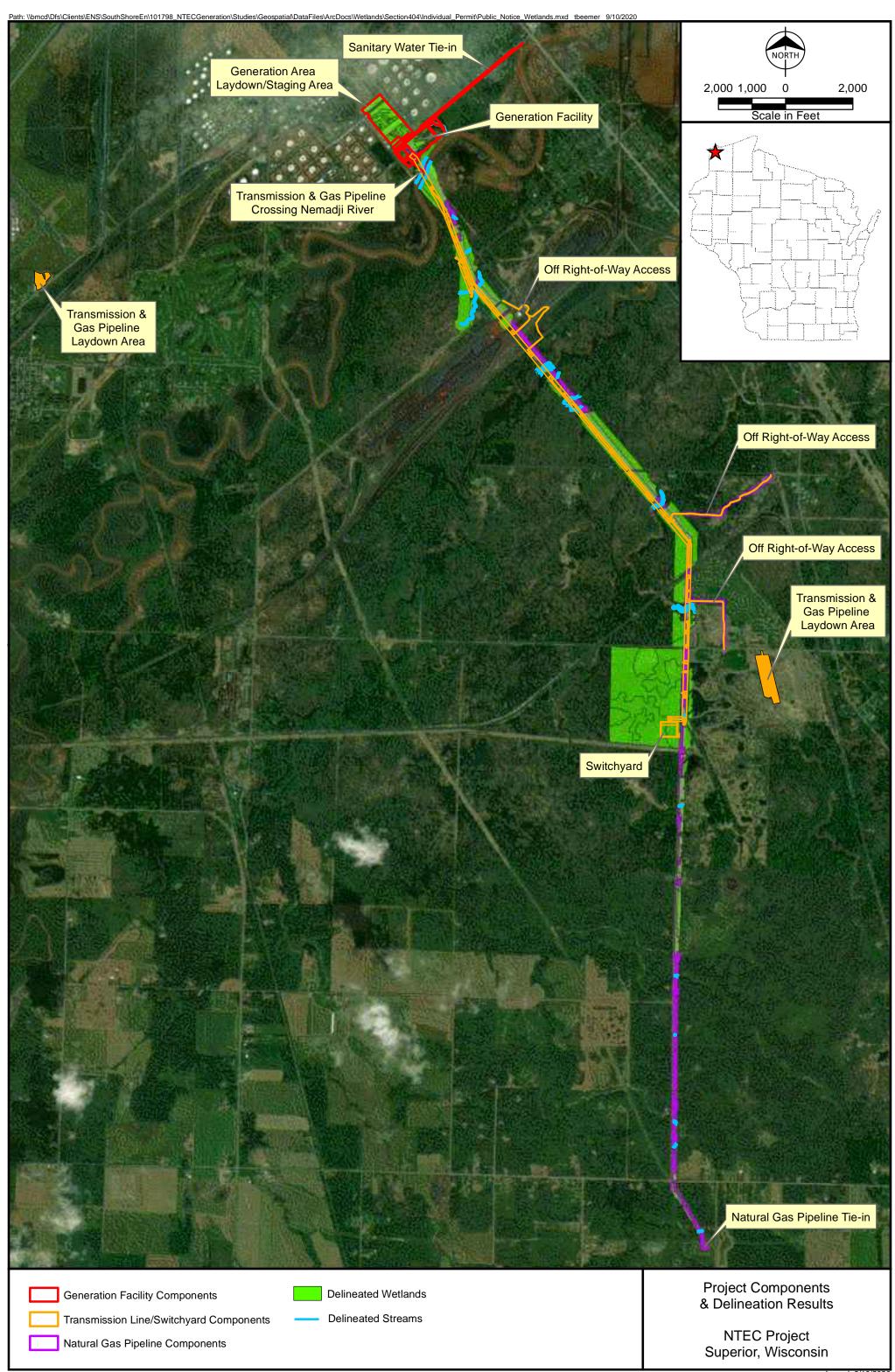
#### REPLIES/COMMENTS

Interested parties are invited to submit to this office written facts, arguments, or objections by the expiration date indicated above. These statements should bear upon the suitability of the location and the adequacy of the project and should, if appropriate, suggest any changes believed to be desirable. Comments received may be forwarded to the applicant.

Replies may be sent to William Sande at william.m.sande@usace.army.mil.

IF YOU HAVE QUESTIONS ABOUT THE PROJECT, contact William Sande at the Hayward Field Office at (651) 290-5882 or william.m.sande@usace.army.mil

To receive Public Notices by e-mail, go to: <a href="http://mvp-extstp.mvp.usace.army.mil/list\_server/">http://mvp-extstp.mvp.usace.army.mil/list\_server/</a> and add your information in the New Registration Box.



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	T T		-		Wetland	Intorm	nation				1 1		1				T	Imp	act Details	T =	_			0, 1,			Impac	t Summary	Total Farents d	Tatal Church to
		WDNR Natural	Delineated											Permanent		Temporary Open	Temporary Matting	Temporary Matting	Temporary Matting for 10"	Temporary Matting for	Temporary Matting for	Temporary Fill for	Forested to Emergent	Shrub to Emergent	Total	<b>Total Temporary</b>	Temporary	Total Temporary	Total Forested to Emergent	Total Shrub to Emergent
Feature ID <sup>6</sup>	Cowardin	Community Wetland	Area (Sq	ASNRI	County	Latitu	de <sup>d</sup> Longitu	ude <sup>d</sup>	QQ	Q	Section	Township (N),			Permanent Impact Component	Trenching for	for Natural Gas	for Natural Gas	Natural Gas Pipeline	Transmisson	Transmisson Line		Wetland	Wetland	Permanent	Impacts from	Impacts From	Impacts From	Wetland	Wetland
	Classification	Classification	Feet) <sup>c</sup>		, ,							Range (E/W)	,	Feet)		Natural Gas	Pipeline Access (Sq Feet) <sup>f,g</sup>	4.		Line Access (Sq	Workpad (Sq	Area (Sq Feet) f,I	Conversion	Conversion (Sq	Impacts (Sq	Open Trenching	Matting (Sq	Staging/Parking	Conversion (Sq	Conversion
			•													Pipeline (Sq Feet)	· ·	(Sq Feet) <sup>i,g</sup>	Facility (Sq Feet) <sup>i,g</sup>	Feet) <sup>f,g</sup>	Feet) <sup>f,g</sup>		(Sq Feet) <sup>f,h</sup>	Feet) <sup>f,i</sup>	Feet)	(Sq Feet)	Feet)	Area Fill (Sq Feet)	Feet) <sup>f</sup>	(Sq Feet) <sup>f</sup>
W-001d		Wet Prairie	3,910		Douglas	46.60	001 -92.01	1194	SW			T48N, R13W		0	-	207	1,844	674	0	0	0	0	0	0	0	207	2,518	0	0	0
W-003f W-006f	PEM PEM	Wet Prairie Wet Prairie	34,923 1,008	No No			244 -92.01 405 -92.01		NW			T48N, R13W T48N, R13W		0	<del>-</del>	1,118 49	19,401 483	16,092 193	0	0	0	0	0	0	0	1,118 49	35,493 676	0	0	0
W-000f	PEM	Wet Prairie	16,547	No			455 -92.01			SW		T48N, R13W		0	-	555	4,467	9,704	0	0	0	0	0	0	0	555	14,171	0	0	0
W-008f	PEM	Wet Prairie	6,393	No			689 -92.01		SW			T48N, R13W		0	-	453	3,214	0	0	0	0	0	0	0	0	453	3,214	0	0	0
W-009f	PEM	Wet Prairie	3,316	No			153 -92.01			SW		T48N, R13W	Mid	0	-	180	1,439	0	0	0	0	0	0	0	0	180	1,439	0	0	0
W-010f	PEM	Wet Prairie	2,031	No			486 -92.01			NW		T48N, R13W		0	=	127	975	0	0	0	0	0	0	0	0	127	975	0	0	0
W-011d W-013f	PEM PEM	Wet Prairie Wet Prairie	1,654	No No	Douglas		612 -92.01 928 -92.01			SW		T48N, R13W T48N, R13W		0	<del>-</del>	0	72 44	1.654	0	0	0	0	0	0	0	0	1,698	0	0	0
W-015f	PEM	Wet Prairie	60,117	No	Douglas	10.00	512 -92.01			SW	21	T48N, R13W		0	-	2,148	14,132	5,437	0	0	0	0	0	0	0	2.148	19,569	0	0	0
W-017f	PEM	Wet Prairie	25,026	No	Douglas		064 -92.01			NW	21	T48N, R13W		0	-	442	2,340	0	0	0	0	0	0	0	0	442	2,340	0	0	0
W-021f	PEM	Wet Prairie	84,038	No	Douglas		578 -92.01			SW		T48N, R13W		0	-	2,228	16,360	34,319	0	0	0	0	0	0	0	2,228	50,679	0	0	0
W-023f	PEM	Wet Prairie	80,969	No	Douglas	10.01	066 -92.01	.000	NW			T48N, R13W		113	New T-line Structures	2,840	23,670	11,724	0	728	9,456	0	0	0	113	2,840	45,578	0	0	0
W-030f W-035f	PEM PEM	Wet Prairie Wet Prairie	106,952 3,763	No No	Douglas Douglas		962 -92.01 295 -92.01			SW		T48N, R13W T48N, R13W		24	New T-line Structures	1,333	10,562 101	21,783 1.059	0	5,451 101	9,282 488	0	0	0	24	1,333	47,078 1,749	0	1 0	0
W-040f	PEM	Wet Prairie	121,271	No	Douglas		582 -92.01			NE	8	T48N, R13W		0		1,723	19,937	28,042	0	20,256	7,010	0	0	0	0	1.723	75,245	0	0	0
W-041f	PEM	Wet Prairie	213,785	No	Douglas		089 -92.02		NE	NE	8	T48N, R13W		77	New T-line Structures	2,046	16,447	29,049	0	15,065	22,624	0	0	0	77	2,046	83,185	0	0	0
W-045f	PEM	Wet Prairie	405,882				-92.02			SE	5	T48N, R13W		77	New T-line Structures	5,545	42,333	25,717	0	37,020	24,693	0	0	0	77	5,545	129,763	0	0	0
W-048f W-049f	PEM PEM	Wet Prairie	3,424	No.			843 -92.03		NE NE	SW	5	T48N, R13W		0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W-049f W-051f	PEM	Wet Prairie Wet Prairie	21,126 34.593				868 -92.0 019 -92.03		SW			T48N, R13W T48N, R13W		0	<u>-</u>	0	0	0	0	2,514	0	0	0	0	0	0	2,514	0	0	0
W-061f	PEM	Wet Prairie	120,974	No			348 -92.04		NW	SE	31	T49N, R13W		115	New T-line Structures	143	2,838	5,052	0	7,563	2,500	0	0	0	115	143	17,953	0	0	0
W-064f	PEM	Wet Prairie	11,387	No	Douglas	46.66	987 -92.04	1817	NW	NE	6	T48N, R13W	Mid	63	New T-line Structures	0	0	0	0	3,886	5,773	0	0	0	63	0	9,659	0	0	0
W-119f	PEM	Wet Prairie	359	No	Douglas	46.65	158 -92.01	1253	SE	NW	31	T49N, R13W	Mid	0	-	0	359	0	0	359	0	0	0	0	0	0	718	0	0	0
W-120d W-121d	PEM PEM	Wet Prairie Wet Prairie	11,657 9.562	No No	Douglas		867 -92.01 969 -92.01			NW	9	T48N, R13W T48N, R13W		0	-	0	11,658 9.543	0	0	11,660 9.564	0	0	0	0	0	0	23,318 19.107	0	0	0
W-121d W-300f	PEM	Wet Prairie Wet Prairie	9,562 486.520	No No			9529 -92.051			NW	31	T49N, R13W		0	<u> </u>	0	9,543	0	0	9,564	0	0 474.724	0	0	0	0	19,107	474.724	1 0	0
W-503f	PEM	Wet Prairie	70,613	No	Douglas		823 -92.04			NW	31	T49N, R13W		65.148	New Generation Facility	0	6	381	3,163	0	0	0	0	0	65.148	0	3.550	0	0	0
W-504f	PEM	Wet Prairie	4,174		Douglas		795 -92.05			NW	31	T49N, R13W		4,175	New Generation Facility	0	0	0	0	0	0	0	0	0	4,175	0	0	0	0	0
W-012f	PEM/PSS	Wet Prairie/Shrub-carr	129	No	Douglas		613 -92.01	1557		NW	28	T48N, R13W		0	-	0	0	0	0	0	0	0	0	65	0	0	0	0	0	65
W-037f	PEM/PSS	Wet Prairie/Shrub-carr	131,604	No	Douglas	46.65		1532	NW	SW	9	T48N, R13W	Mid	113	New T-line Structures	2,842	20,373	29,839	0	15,365	14,863	0	0	65,758	113	2,842	80,440	0	0	65,758
W-054f W-055f	PEM/PSS PEM/PSS	Wet Prairie/Shrub-carr Wet Prairie/Shrub-carr	51,672 430.341	No No	Douglas Douglas	10.01	483 -92.03 821 -92.04	,0.0	NE	NE	6	T48N, R13W		0 203	New T-line Structures	5,405	45.717	25,913	0	4,033 41,526	2,500 42,814	0	0	25,840 215,106	203	5,405	6,533 155,970	0	0	25,840 215,106
W-303f		Wet Prairie/Shrub-carr	141.176	No		46.69			NW	NW	31	T49N, R13W		0	New 1-line Structures	0,405	45,717	20,913	0	0	0	141.176	0	70.588	0	0,403	155,970	141.176	0	70.588
W-005d	PFO	Hardwood Swamp	5,892				341 -92.01	1532			33	T48N, R13W		Ö	-	0	0	5,893	0	0	0	0	5,893	0	0	Ö	5,893	0	5,893	0
W-024f	PFO	Hardwood Swamp	5,807	No			155 -92.01			NW	16	T48N, R13W		0	-	0	0	0	0	0	432	0	5,744	0	0	0	432	0	5,744	0
W-033f	PFO	Hardwood Swamp	98	No			808 -92.01		SE	SE	8	T48N, R13W		0	=	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W-036d W-038d	PFO PFO	Hardwood Swamp Hardwood Swamp	7,781 106,065	No No			226 -92.01 592 -92.01		NW NE	SW	8	T48N, R13W T48N, R13W		0 38	- New T-line Structures	0	0	7,782	0	0 5,211	7,969	0	7,782 106,046	0	38	0	7,782 13,180	0	7,782 106,046	0
W-039f	PFO	Hardwood Swamp	14,083	No			742 -92.01			NW	9	T48N, R13W		0	-	0	0	12.404	0	0	0	0	14,086	0	0	0	12,404	0	14,086	0
W-043f	PFO	Hardwood Swamp	11,239	No	Douglas		122 -92.02		NE	NE	8	T48N, R13W		0	=	0	0	10,248	0	0	0	0	11,241	0	0	0	10,248	0	11,241	0
W-046f	PFO	Hardwood Swamp	1,392	No	Douglas		434 -92.02		SW	SE	5	T48N, R13W		0	-	0	0	1,392	0	0	0	0	1,392	0	0	0	1,392	0	1,392	0
W-047f	PFO	Hardwood Swamp	220	No	Douglas		425 -92.02			SE	5	T48N, R13W		0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W-052d W-053d	PFO PFO	Hardwood Swamp Hardwood Swamp	655 2.260	No No	Douglas Douglas		056 -92.03 014 -92.03		0,,,	NW NW	5	T48N, R13W T48N, R13W		0	-	0	0	0	0	0	0	0	655 2,260	0	0	0	0	0	655 2,260	0
W-056f	PFO	Hardwood Swamp	12,224	No	Douglas		653 -92.03			NE		T48N, R13W		0	-	0	0	10,884	0	0	0	0	12,226	Ö	0	0	10,884	0	12,226	0
W-057f	PFO	Hardwood Swamp	16,726	No	Douglas		552 -92.04		NE	NE	6	T48N, R13W		0	-	0	0	0	0	0	524	0	16,729	0	0	0	524	0	16,729	0
W-058f	PFO	Hardwood Swamp	2,217	No	Douglas		798 -92.04		SW	SE	31	T49N, R13W		0	-	0	0	0	0	0	0	0	2,218	0	0	0	0	0	2,218	0
W-059f W-062f	PFO PFO	Hardwood Swamp Hardwood Swamp	50,614 81,335	No No	Douglas Douglas		555 -92.04 343 -92.04		SW NW	SE	31	T49N, R13W T49N, R13W		63 241	New T-line Structures New T-line Structures	0	0	0	0	5,117	2,247 9,873	0	50,559 81,110	0	63 241	0	2,247 14,990	0	50,559 81,110	0
W-084f	PFO	Hardwood Swamp	414.054	No			461 -92.01		SE	NE	17	T48N, R13W		135.893	New Switchvard	0	0	0	0	4,655	2.616	0	61,234	0	135.893	0	7,271	0	61,234	0
W-302f	PFO	Hardwood Swamp	32,716		Douglas	46.69	089 -92.052	2817	NW	NW	31	T49N, R13W		0	- 1	0	0	0	0	0	0	32,716	32,716	0	0	0	0	32,716	32,716	0
W-304f	PFO	Hardwood Swamp	12,251	No			039 -92.053			NW	31	T49N, R13W		0	<del>-</del>	0	0	0	0	0	0	12,252	12,252	0	0	0	0	12,252	12,252	0
W-305f	PFO	Hardwood Swamp					9551 -92.053			NW	31	T49N, R13W		0	-	0	0	0	0	0	0	52,344	52,344	0	0	0	0	52,344	52,344	0
W-306f W-308f	PFO PFO	Hardwood Swamp Hardwood Swamp	15,266 37,932	No No	Douglas Douglas			2898	NW	NW	31	T49N, R13W T49N, R13W		0	- -	0	0	0	0	0	0	15,266 37,932	15,266 37,932	0	0	0	0	15,266 37,932	15,266 37,932	0
W-3001	PFO	Hardwood Swamp	85,163	No	Douglas			3794	NW	NW	31	T49N, R13W		0	- -	0	0	0	0	0	0	49,247	49,247	0	0	0	0	49,247	49,247	0
W-501f	PFO	Hardwood Swamp	149,525	No	Douglas	46.68	719 -92.04	1775	NE	NW	31	T49N, R13W	Mid	0		0	0	0	0	0	0	0	38,932	0	0	0	0	0	38,932	0
W-517f	PFO	Hardwood Swamp	34,868	No	Douglas		93 -92.04			SE	25	T48N, R14W		34,027	New Generation Facility	0	0	0	842	0	0	0	842	0	34,027	0	842	0	842	0
W-002f	PSS	Shrub-carr	966	No	Douglas		92.01			NW	33	T48N, R13W		0	-	0	966	0	0	0	0	0	0	966	0	0	966	0	0	966
W-014f W-016f	PSS PSS	Shrub-carr Shrub-carr	1,448 46.171	No No	Douglas		925 -92.01 617 -92.01		SW NW	SW	21 21	T48N, R13W T48N, R13W	Mid Mid	0	-	95 3,043	691 26,353	1,353	0	0	0	0	0	1,449 46,179	0	95 3.043	2,044 26,353	0	0	1,449 46,179
W-018f	PSS	Shrub-carr	59,800				147 -92.01					T48N, R13W		0	-	3,380	27,664	14,439	0	0	0	0	0	59,811	0	3,380	42,103	0	0	59,811
W-031f	PSS	Shrub-carr	12,550				959 -92.01		SW			T48N, R13W	Mid	ő	-	652	5,183	7,762	Ö	38	981	Ö	ő	12,552	Ö	652	13,964	Ö	Ö	12,552
W-032f		Shrub-carr	1,233	No	Douglas	46.65	018 -92.01	1473	SW	SW	9	T48N, R13W	Mid	0	-	0	0	0	0	0	0	0	0	1,233	0	0	0	0	0	1,233
W-034f		Shrub-carr										T48N, R13W		0	-	0	0	8,105	0	0	0	0	0	8,105	0	0	8,105	0	0	8,105
W-081f W-301f		Shrub-carr Alder Thicket	166,203	No No	Douglas	46.64	151 -92.02	2056	SE	NE NIA'	17	T48N, R13W T49N, R13W	High		New Switchyard & T-line Structure	0	0	0	0	1,274 0	7,272 0	0 39.148	0	32,832 39.148	57,606 0	0	8,546 0	0 39.148	0	32,832 39.148
	PSS	Alder Thicket Alder Thicket												0	<u>-</u>	0	0	0	0	0	0	39,148 57.448	0	39,148 57.448	0	0	0	39,148 57.448	0	39,148 57.448
	PSS	Alder Thicket	15,363	No	Douglas	46.689	9828 -92.05	527	NW	NW	31	T49N, R13W	High	0	-	0	0	0	0	0	0	4,072	0	4,072	0	0	0	4,072	0	4,072
W-311f	PSS	Alder Thicket	7,530	No	Douglas	46.68	964 -92.05	5306	NW	NW	31	T49N, R13W	Mid	0		0	0	0	0	0	0	7,530	0	7,530	0	0	0	7,530	0	7,530
W-502f	PSS	Alder Thicket	104,488	No	Douglas	46.68	812 -92.04	1939	NE	NW	31	T49N, R13W	Mid	88,454	New Generation Facility	103	0	3,177	10,347	0	0	0	0	10,433	88,454	103	13,524	0	0	10,433
	PUB	Submergent Marsh	28	No	Douglas	46.63	244 -92.01	1524	NW	NW	21	T48N, R13W	Mid	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W-022f	PUB	Submergent Marsh	1,350	No k	Douglas	46.63	/94 -92.01	1506	NW	SW	16	148N, R13W	Mid	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Submergent Marsh Submergent Marsh												0	<del>-</del>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		f the wetland ID indicates deli						ווטכ	INVV	INVV	31	T49N, R13W	Low	0	-	0	0	U	0	0	0	0	0	-	0 386,430	-	1 038 808	923,855	0 <b>618,706</b>	0 <b>659,114</b>
		of the wetland ID indicates delif to Cowardin (USFWS, 1979) P						ustrina Fa	orested DITE -	Palmetria	e Uncoreolidat	ed Bottom												Total (sq feet)				923,855		15.13
		wetland extent within the Proj							1011 -	- unusuille	neonsondate													Total (acie)	0.07	V.04	20.00	- 1.41	17.40	10.10

(d) Latitude/longitude coordinates at the wetland midpoint within the Project Area.
(e) Open trenching in wetlands is specific to the installation of the natural gas pipeline where HDD methods are not proposed. The total width of open trench is 2.5 feet.

Issued 8/27/20

<sup>(</sup>f) To avoid double counting, permanent impacts are subtracted from temporary impact areas and TSS/PTO clearing areas where they overlap.

(g) Temporary weld and matting will not be in place for more than 180 consecutive days. When feasible, temporary matting will not be used during winter conditions that provide sufficient frozen ground conditions that would avoid or minimize ground disturbance. As a result of various Project component construction schedules, components with overlapping matting are purposefully double counted.

(h) Forested welfand clearing refers to clearing of PFO to PEM veltand within the Project Area.

(i) Shrub/scrub wetland clearing refers to clearing of PSS to PEM wetland within the Project Area. Wetlands with a classification of PEM/PSS are counted at a 50% conversion rate.

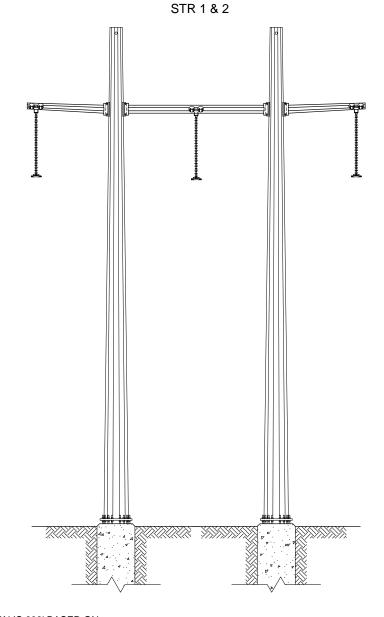
<sup>(1)</sup> Sarubsertaw evanta clearing reters to clearing or PSS to PEAN wettands within a crassification of PEAN'PSS are continued at 3.0% conversion rate.

(i) W-5057 is an existing stormwater pond that will be expanded in place to accommodate the generation facility. Based on the manmade nature of this feature, impacts are not acludated for this expansion.

(k) W-117d is a detention pond designated as a Special Area Management Plan Wetland under the City of Superior, no impacts are anticipated.

(l) Staging/pasking area fill will consist of protective layered material below crush took, to be in place for the entire during of the facility, natural gas pipeline, and transmission line project components. Preliminary restoration is provided in the permit application.

(m) Rating based on best professional judgement, guidance from WDNR, species diversity, invasive species abundance, and location of wetland to degraded or disturbed areas. Additional information can be referenced in the updated WRAM forms submitted in September 2020.



- 1. NEMADJI RIVER 100 YR. FLOOD ELEVATION IS 608' BASED ON FEMA FLOOD MAP DATED FEBRUARY 2, 2012
- 2. REQUIRED CLEARANCE TO NEMADJI RIVER ASSUMED TO BE 57' BASED ON 2017 NESC CLEARANCE TO RIGGING/ LAUNCHING AREAS 2000 ACRES.
- 3. VERTICAL CLEARANCE TO 100 YR. FLOOD EL. WILL BE MAINTAINED UNDER THE WEATHER CASE RESULTING IN THE GREATEST CONDUCTOR SAG.
- 4. (1) 48 FIBER OPGW AND (1) 7/16" EHS STEEL TO BE USED AS SHIELDING WIRES.
- 5. (3) 2 X 954 CARDINAL ACSR TO BE USED AS 345KV CONDUCTOR.

**PRELIMINARY - NOT** 



# \*BURNS MEDONNELL

7/17/2018 date designed J. BROWN checked D. SARGEANT

### **MINNESOTA POWER & DAIRYLAND POWER**

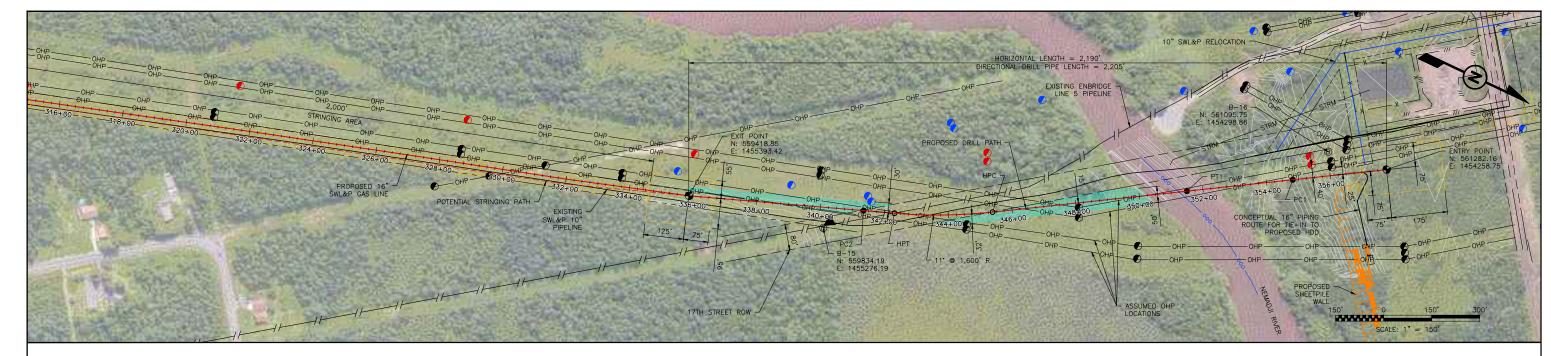
NTEC TRANSMISSION LINE SINGLE CIRCUIT 345kV NEMADJI RIVER CROSSING SUPERIOR, WISCONSIN

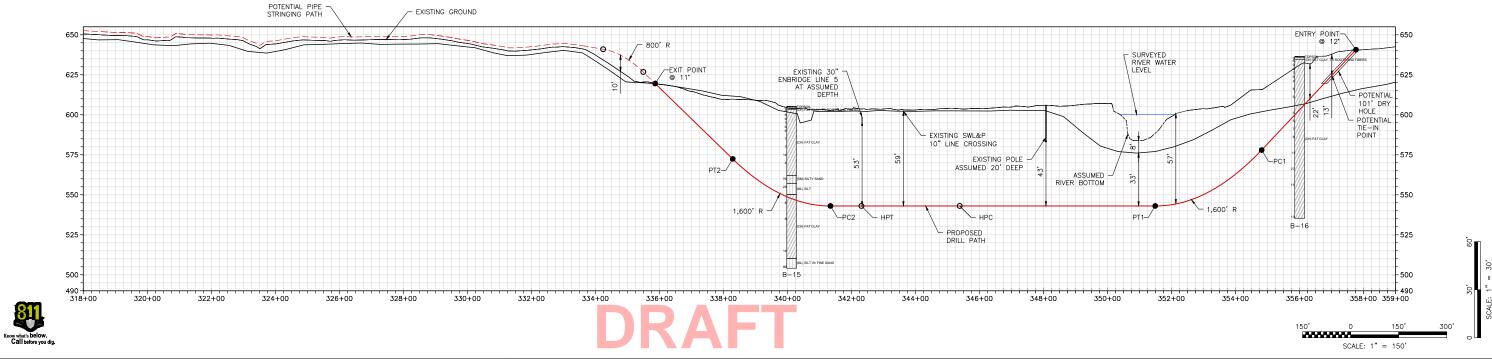
FOR CONSTRUCTION

project no. 106604

contract no.

**EXHIBIT B-2** 





DIRECTIONAL DRILL DATA									
DESCRIPTION	STATION (ft)	ELEVATION (ft							
ENTRY AT 12°	357+77.00	640.61	1						
PC1 (1,600' R)	354+82.25	577.96'							
PT1	351+49.59	543.00'	7						
HPC (1,600' R)	345+38.75	543.00'	1						
HPT AT 11°	342+31.57	543.00'	]						
PC2 (1,600' R)	341+34.80	543.00'							
PT2 338+29.50 572.40'									
EXIT AT 11* 335+87.00 619.53'									
HORIZONTAL DISTANCE (ft) = 2,190.00'									
DIRECTIONAL DRILL P	IPE LENGTH (ft) =	= 2,205.45'	7						

#### GENERAL NOTES

- PLACEMENT OF HORIZONTAL DRILLING RIG IS NOT FIXED BY
  DESIGNATION OF ENTRY AND EXIT POINTS. DRILLING RIG PLACEMENT
  AND/OR THE USE OF DUAL RIGS SHALL BE AT CONTRACTOR'S
  OPTION, AS LONG AS THE DRILLING RIG IS PLACED INSIDE
  APPROVED WORKSPACE BOUNDARIES.

- APPROVED WORKSPACE BOUNDARIES.

  2. CONTRACTOR TO CONTACT UTILITY LOCATIONS/NOTIFICATION SERVICE FOR THE CONSTRUCTION AREA.

  3. CONTRACTOR IS TO POSITIVELY LOCATE AND STAKE ALL EXISTING UNDERGOUND FACILITIES. ANY FACILITIES LOCATED WITHIN 10 FEET OF THE DESIGNED DRILL PATH SHALL BE EXPOSED.

  4. CONTRACTOR IS TO MODIFY DRILLING PRACTICES AND DOWNHOLE ASSEMBLIES AS NECESSARY TO PREVENT DAMAGE TO EXISTING SECULIES.

- ASSEMBLIES AS NECESSARY TO PREVENT DAMAGE TO EXISTING FACILITIES.

  5. NORTHINGS AND EASTINGS ARE IN US SURVEY FEET REFERENCED TO WISCONSIN STATE PLANE NORTH, NAD83

  6. ELEVATIONS ARE IN US FEET.

  7. DRILLED PATH STATIONING IS IN FEET BY HORIZONTAL MEASUREMENT AND IS REFERENCED TO THE CONTROL POSITION ESTABLISHED FOR THE DRILLED SEGMENT.

  8. DRILL PATH COORDINATES REFER TO CENTERLINE OF PIPE.

  9. ALL UTILITY LOCATIONS WERE ESTABLISHED BY A COMBINATION OF CLIENT PROVIDED DATA, 811 TICKET FIELD MARKINGS, AND THE USE OF ELECTRONIC UTILITY LOCATING SYSTEMS.
- NOTES

  10. CONTRACTOR TO ACTIVELY MONITOR THE AREA FOR IMPACTS THAT COULD OCCUR AS A RESULT OF TRENCHLESS OPERATIONS (E.G. SETTLEMENT, HEAVE, AND DRILLING FLUID FLOW).

  11. GEOTECHNICAL DATA IS PRESENTED FOR INFORMATIONAL PURPOSES ONLY. REFERENCE SHOULD BE MADE TO THE FINAL GEOTECHNICAL INVESTIGATION REPORT FOR FULL DETAILS REGARDING SUBSURFACE DESCRIPTIONS AND IDENTIFIED CONDITIONS.

  12. TOPOGRAPHIC SURVEY WAS PROVIDED BY LISC SURVEY.

  13. THE EXISTING PERMANENT EASEMENT LOCATION WAS ESTABLISHED BY COMPILING DOCUMENTATION PROVIDED BY SUPERIOR WATER LIGHT & POWER. LAKE SUPERIOR CONSULTING GIVES NO WARRANTY, EXPRESSED OR IMPLIED, AS TO THE ACCURACY, RELIABILITY, OR COMPLETENESS OF THE SHOWN EXISTING PERMANENT EASEMENT LOCATION.

  14. IMAGERY SOURCE: GOOGLE EARTH (2017).

  15. NTEC FACILITY AREA PIPING AND SHEETPILE WALL, DEPTHS OF EXISTING POWER POLES AND LOCATIONS OF PROPOSED POLES WERE PROVIDED BY SWL&P.

	RECO	MMENDED TOLERANCES				
	ITEM	TOLERANCE				
S	PILOT HOLE ENTRY ANGLE	INCREASE ANGLE UP TO 1° (STEEPER). NO DECREASE IN ANGLE ALLOWED.				
	PILOT HOLE ENTRY LOCATION	AS PER COORDINATES PROVIDED BY COMPANY. NO CHANGES WITHOUT COMPANY APPROVAL.				
	PILOT HOLE EXIT ANGLE	INCREASE ANGLE UP TO 1° (STEEPER) OR DECREASE UP TO 2° (FLATTER).				
	PILOT HOLE EXIT LOCATION	UP TO 20 FEET BEYOND OR 10 FEET SHORT OF THE EXIT STAKE. BETWEEN 5 FEET LEFT AND 5 FEET RIGHT OF CENTERLINE.				
	PILOT HOLE DEPTH	UP TO 2 FEET ABOVE THE DESIGN DRILL PROFILE OR 10 FEET BELOW THE DESIGN DRILL PROFILE.				
	PILOT HOLE ALIGNMENT	SHALL REMAIN WITHIN 5 FEET LEFT OR RIGHT OF THE HDD CENTERLINE.				
	<u> </u>	<u> </u>				

	LEGEND					
	PROPOSED 16" SWL&P PIPELINE EXISTING 10" SWL&P PIPELINE PROPOSED 10" SWL&P RE-ROUTE		ADDITIONAL TEMPORARY WORKSPACE			
	EXISTING EASEMENT     PROPOSED EASEMENT     ROAD ROW     WATERBODY		WETLAND			
	TEMPORARY WORKSPACE  EXISTING FOREIGN LINE  EDGE OF ROAD		PROPOSED ADDITIONAL EASEMENT			
STRM	STORM SEWER POTENTIAL HDD STRINGING PROFILE/PATH	RECTIFIER  DRILLED PATH ENTRY/EXIT PO	INT			
OHP OHP	OVERHEAD POWER PROPOSED SHEETPILE/NTEC FACILITY AREA	B SOIL BORE LOCATION				
	PROPOSED 115/161KV POWER P	N VALUES — xx f/				

		REVISION	APPROVAL						
REV No	DATE	DESCRIPTION	CAD	CHK	ENG	APP	РМ		
R2	01/05/18	PRELIMINARY DESIGN	CEF	JAM	RJS	JRS	AGG		
R3	01/24/18 PRELIMINARY DESIGN		CEF	JAM	RJS	JRS	AGG		
R4	R4 09/06/18 ISSUED FOR DISCUSSION		CEF	JAM	RJS	JRS	AGG		
R5	10/19/18	ISSUED FOR DISCUSSION	CEF	JAM	IAH	RJS	AGG		

LAKE SUPERIOR **EXCELLENCE & INTEGRITY** 

218.727.3141



PROJECT IN	NFORMATION	DRAWING IN	NFORMATION				
TO NEMADJI TRAIL	S LATERAL PIPELINE _ ENERGY CENTER COUNTY, WI	HORIZONTAL DIRECTIONAL DRILL DESIGN NEMADJI RIVER CROSSING					
LSC PROJECT NUMBER 00217650455		SCALE NOTED	17455.1-M.8.5-007-R5				
			PLOTTED SIZE: ANSI EXPAND D (34x22)				

**From:** tbeemer@burnsmcd.com

**Sent:** Thursday, December 6, 2018 3:26 PM **To:** William.M.Sande@usace.army.mil

**Cc:** dmccourtney@mnpower.com; Barton, Tim; Samuelson, Kathryn A (Kate);

Roh, Brian; Brad.Foss@DairylandPower.com

Subject: Nemadji Trail Energy Center (NTEC) Project - Wetland Delineation Report

#### You have received 1 secure file from tbeemer@burnsmcd.com.

Use the secure link below to download.

Mr. Sande,

At the end of this email is a secured link to download the wetland delineation report for the NTEC Project in Superior, WI. We had an introductory conference call regarding the Project wetland and waterway permitting on June 8<sup>th</sup> along with Lindsey Tekler and Ben Callan of the Wisconsin Department of Natural Resources and Adam Ingwall of the Public Service Commission of Wisconsin. During that timeframe, the Project was still be designed such that the wetland delineation report was not finalized. At this time, the report is ready for agency review. Accordingly, on behalf of the clients, I'm requesting a wetland delineation concurrence from the U.S. Army Corps of Engineers – St. Paul District. If you have any questions prior or during review of the wetland delineation report, please do not hesitate to contact myself or Dan McCourtney (dmccourtney@mnpower.com).

Sincerely,

Tyler Beemer, PWS, WDC, ENV SP \ Burns & McDonnell Environmental Services 952-656-3666 tbeemer@burnsmcd.com \ burnsmcd.com 8201 Norman Center Dr, Suite 300 \ Bloomington, MN 55437

#### **Secure File Downloads:**

Available until: 20 December 2018

Click link to download:

NTEC Wetland Delineation Report FINAL 06DEC2018.pdf 98.75 MB

You have received attachment link(s) within this email sent via Burns & McDonnell Secure File Transfer. To retrieve the attachment(s), please click on the link(s). If you are a new user you will be required to create an account in order to download the attachment(s).

**From:** tbeemer@burnsmcd.com

Sent: Thursday, December 6, 2018 3:35 PM

To: Lindsay.tekler@wisconsin.gov

Cc: dmccourtney@mnpower.com; Barton, Tim; Samuelson, Kathryn A (Kate);

Roh, Brian; Brad.Foss@DairylandPower.com

Subject: Nemadji Trail Energy Center (NTEC) Project - Wetland Delineation Report

#### You have received 1 secure file from tbeemer@burnsmcd.com.

Use the secure link below to download.

Ms. Tekler,

At the end of this email is a secured link to download the wetland delineation report for the NTEC Project in Superior, WI. We had an introductory conference call regarding the Project wetland and waterway permitting on June 8<sup>th</sup> along with Ben Callan of the WI Department of Natural Resources (WDNR), Adam Ingwall of the Public Service Commission of Wisconsin (PSCW), and Bill Sande of the U.S. Army Corps of Engineers – St. Paul District (USACE). During that timeframe, the Project was still be designed such that the wetland delineation report was not finalized. At this time, the report is ready for agency review prior to future WDNR permit and PSCW CPCN/CA submittals. Mr. Sande was sent the same delineation report for USACE review. If you have any questions prior or during review of the wetland delineation report, please do not hesitate to contact myself or Dan McCourtney (dmccourtney@mnpower.com).

Sincerely,

Tyler Beemer, PWS, WDC, ENV SP \ Burns & McDonnell

Environmental Services 952-656-3666

tbeemer@burnsmcd.com \ burnsmcd.com

8201 Norman Center Dr, Suite 300 \ Bloomington, MN 55437

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### **NTEC Wetlands**



October 7, 2020

#### Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Pond

Vetland Lake

Freshwater Forested/Shrub Wetland

Riverine

Other

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



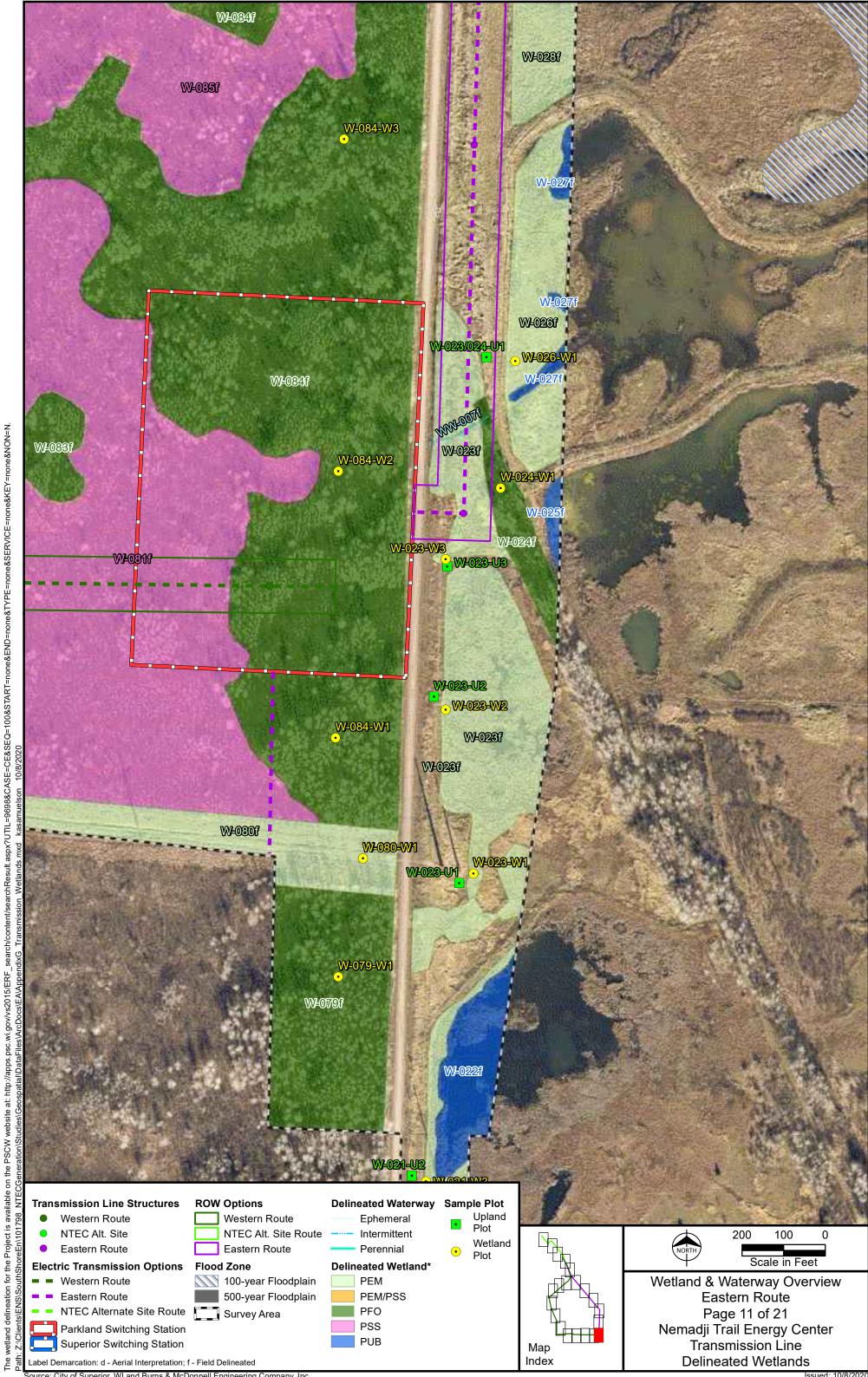
Issued: 10/8/2020

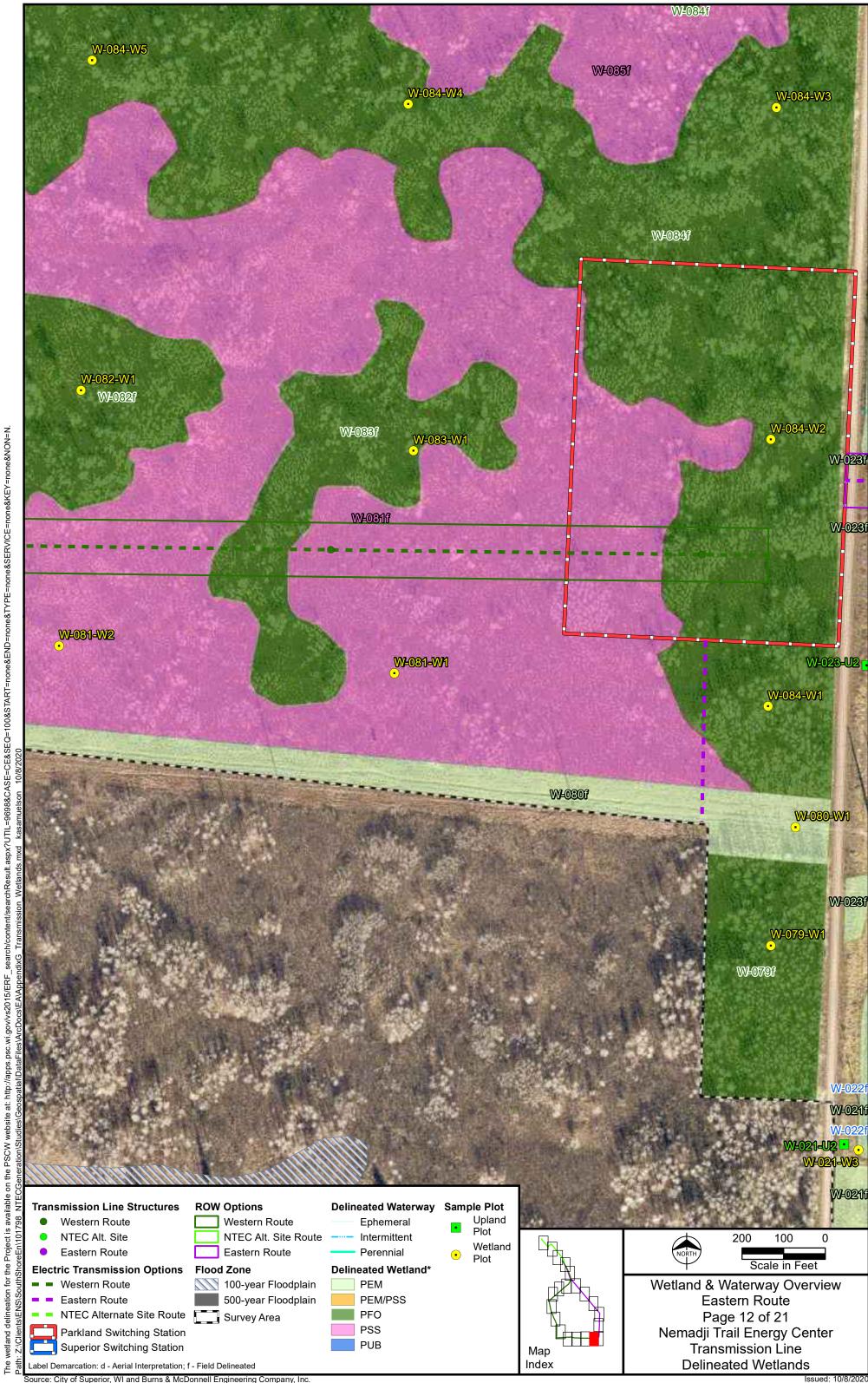
Issued: 10/8/2020

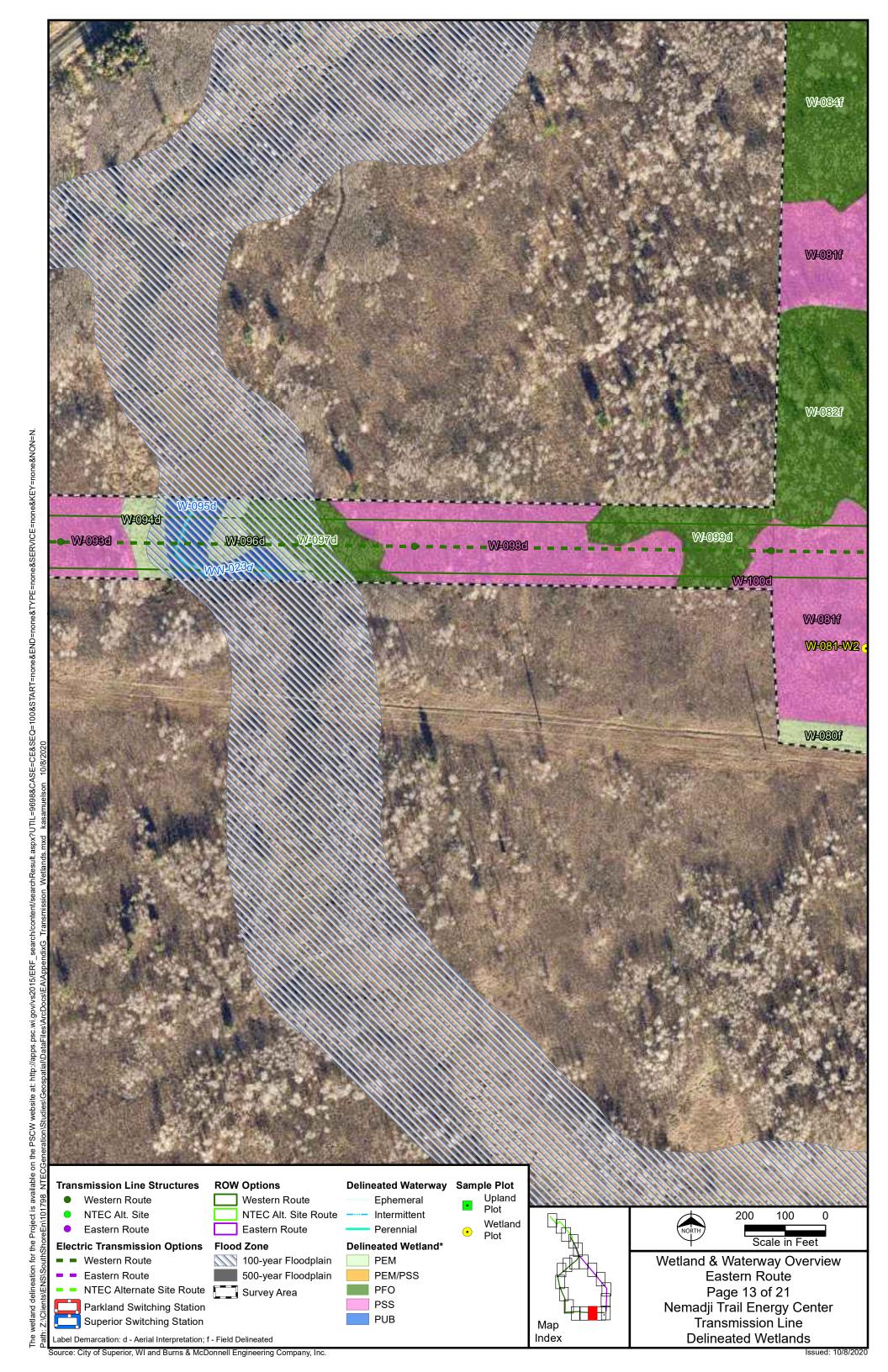




Issued: 10/8/2020







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Issued: 10/8/2020

