

Table RS-2

Environmental Screening Information for Lines Requiring New Right-of-Way

18th Road to Chandler Double Circuit 138/69 kV Line

	General Description	New line
	Length (miles)	approximately 4
#1	Screening Area (Sq. mi.- length X width)	approximately 15.8
#2	Corridor Sharing Opportunities	Federal, state, & County highways, railroads, and existing transmission line rights-of-way offer opportunity for corridor sharing.
#3	Public Lands	A State of Michigan owned boat landing and park is located in the project area.
#4	Sensitive Resources	The Escanaba River, Reno Creek and associated tributaries and wetlands are located in the screening area.
#5	Cultural Resources	No known cultural resources have been identified in the project area however the potential exists for sites to exist along the Escanaba River corridor.
	Miscellaneous	West Gladstone airport is in the screening area.

Pleasant Prairie - Zion Energy Center 345-kV line

	General Description	New 345 kV transmission line
	Length (miles)	Approximately 6
#1	Screening Area (Sq. mi.- length X width)	Approximately 11.3
#2	Corridor Sharing Opportunities	Existing 345 kV and 138 kV corridors, a railroad corridor, a state highway corridor, and a county highway corridor provide sharing opportunities. There are no state owned lands over which any of the proposed routes cross. There is a former landfill site owned by the City of Kenosha that may require special consideration. Otherwise, the corridor sharing opportunities described above fall within State Highway and RR rights-of-way.
#3	Public Lands	Smaller, isolated wetland areas as well as small tributaries to the Des Plaines River are found within the study area.
#4	Sensitive Resources	There are several cultural resources within the study corridors. The potential for encountering these cultural and historic resources is low to medium.
#5	Cultural Resources	The possible routes identified traverse mainly industrial and agricultural land that include isolated pockets of wetland, including farmed wetlands.
	Miscellaneous	

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**Western Milwaukee County Electric Reliability Project**

	General Description	New 138 kV transmission line
	Length (miles)	Approximately 3
#1	Screening Area (Sq. mi.- length X width)	Approximately 2.6
#2	Corridor Sharing Opportunities	Existing transmission lines, city streets, and state highway offer possible corridor sharing opportunities.
#3	Public Lands	DNR Forestry Education Center, Milwaukee County Grounds, and several county parks: Wisconsin Avenue, Cannon, and Gravel Sholes, Hansen Golf course are located in the screening area.
#4	Sensitive Resources	Rare Species Conservation Habitat, Underwood Creek/Parkway, Monarch Butterfly Habitat (nesting and foraging areas), and the Menomonee River are located in the screening area.
#5	Cultural Resources	There are several known burial areas and numerous historic areas and buildings located in the screening area.
	Miscellaneous	Milwaukee Regional Medical Center (MRMC) and MRMC Heliport are located in the screening area. Heavy residential development exists throughout study area. The proposed UWM research park; existing MMSD flood control facilities, Wauwatosa city Landfill, and Wisconsin Lutheran College also are located in the screening area.

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**North Lake Geneva-South Lake Geneva 138-kV line**

	General Description	New line
	Length (miles)	approximately 3.4
#1	Screening Area (Sq. mi.)	approximately 21
#2	Corridor Sharing Opportunities	US Hwy 12 and State Hwy 120, along with other roads offer opportunities for corridor sharing, along with the existing transmission line Y-152
#3	Public Lands	Big Foot Beach State Park and other WDNR owned lands are located within the study area.
#4	Sensitive Resources	Lake Geneva, Lake Como, White River, and a number of large wetland complexes are located within the study area.
#5	Cultural Resources	The WHS database identifies archaeological and historic resources in the study area, particularly located near Lake Geneva.
	Miscellaneous	There is a moderate probability on encountering endangered resources.

**Erdman-Howards Grove-Plymouth #4-Barnhart 138-kV line**

	General Description	New Line
	Length (miles)	approximately 16.7
#1	Screening Area (Sq. mi.)	approximately 105
#2	Corridor Sharing Opportunities	Various federal, state, and county highways, existing transmission line, and railroad rights-of-way offer possible sharing opportunities.
#3	Public Lands	The Schuett Creek Fishery area and various county, city, town, and village parks are located in the project area.
#4	Sensitive Resources	The Sheboygan, Mullet, & Pigeon rivers and Otter, Fisher, and Seven Mile creeks along with associated tributaries and wetlands are located in the project area.
#5	Cultural Resources	The WHS database identifies a number of known archaeological and historic resources in the study area, particularly located near the Sheboygan River corridor.
	Miscellaneous	Sheboygan County memorial airport and Feldmann Field are located in the project area.

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**Badger Coulee 345-kV line**

	General Description	New 345 kV transmission line
	Length (miles)	Approximately 118
#1	Screening Area (Sq. mi.- length X width)	Approximately 4,234
#2	Corridor Sharing Opportunities	Various federal, state, and county highways, existing transmission line, railroad, and pipeline rights-of-way offer possible sharing opportunities. Richard J Dorer SP (MN), O L Kipp SP (MN), Perrot SP (WI), Wildcat Mountain SP (WI), Rocky Arbor SP (WI), Mirror Lake SP (WI), Natural Bridge SP (WI), Devils Lake SP (WI), Bluemounds SP (WI), Lake Kegonsa SP (WI), Governor Nelson SP (WI), numerous county parks, state natural areas, wildlife areas, trails, and recreational areas are located throughout the screening area. The Upper Mississippi River National Wildlife and Fish Refuge, The Leopold Wetland Management District, and Ft Mc Coy Military Reservation are among the federal lands located in the screening area.
#3	Public Lands	Large, contiguous wetland areas are concentrated near the Mississippi and Wisconsin Rivers and their tributaries. Numerous Wisconsin State Natural Areas exist in the route screening area. The probability of encountering threatened, endangered, and rare species is high.
#4	Sensitive Resources	The Cultural Map of Wisconsin identifies numerous cultural resources within the screening area. The potential for encountering cultural and historic resources is high within the screening area.
#5	Cultural Resources	Principal ecological landscapes include the southwest savanna, western coulee and ridges, central sand plains, and central sand hills in Wisconsin. The western portions of the screening area are located in Wisconsin's driftless area and the Mississippi River valley.
	Miscellaneous	

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**Fairwater-Mackford Prairie 69-kV line**

	General Description	New line
	Length (miles)	5
#1	Screening Area (Sq. mi.- length X width)	44.9
#2	Corridor Sharing Opportunities	State and County roads, railroad corridor, and existing electrical distribution lines routes located within the screening corridor offer the potential for corridor sharing.
#3	Public Lands	WDNR owns several parcels of "scattered wildlife" lands along the Grand River corridor.
#4	Sensitive Resources	The Grand river and associated wetlands are located in the project area.
#5	Cultural Resources	The WHS database identifies numerous arcahaeological, architectural and historic sites within the screening area. Cultural Map of Wisconsin does not identify any sites within the screening area.
	Miscellaneous	There is a moderate probability on encountering endangered resources.

**Spring Valley-Twin Lakes-South Lake Geneva 138-kV line**

	General Description	New Line
	Length (miles)	approximately 15 miles of new line
#1	Screening Area (Sq. mi.- length X width)	approximately 113
#2	Corridor Sharing Opportunities	Existing transmission lines, state and county roads located within the screening area offer the best possibility of corridor sharing.
#3	Public Lands	Numerous local parks, the New Munster state wildlife area and Camp Lake, Hooker Lake, and Silver Lake state fishery areas are located within the screening area.
#4	Sensitive Resources	Silver Lake, Camp Lake, Center Lake Lake Mary and Powers Lake and the Lower Fox (Illinois) River drainage basin are found within the screening area. The New Munster Bog Island, Silver Lake Bog, and Peat Lake State Natural Areas also are located in the screening area.
#5	Cultural Resources	The WHS database identifies archaeological and historic resources in the study area, particularly associated with lakes and rivers.
	Miscellaneous	

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**Lake Delton-Birchwood 138-kV line**

	General Description	New line
	Length (miles)	approximately 5
#1	Screening Area (Sq. mi.- length X width)	approximately 41
#2	Corridor Sharing Opportunities	Interstate Highway 90/94, US Highway 12, State Highway 23, several county highways and local electrical distribution lines.
#3	Public Lands	Mirror Lake State Park, Dell Creek wildlife area, Hulburt Creek Woods State Natural Area and Hulburt Creek fishery area.
#4	Sensitive Resources	State Natural Areas and State Parks, Dell Creek, Harrison Creek, Lake Delton, Mirror Lake, Lake Blass, International Crane Foundation are located within the screening area.
#5	Cultural Resources	Cultural Map of Wisconsin identifies Dawn Manor, Seth Peterson cottage, International Crane Foundation, and the H.H. Bennett Studio within the screening area.
	Miscellaneous	Ho Chunk tribal lands and the Baraboo Dells Airport are located in the screening area.

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**Dubuque-Spring Green-Cardinal 345-kV line**

	General Description	New 345 kV transmission line
	Length (miles)	Approximately 80
#1	Screening Area (Sq. mi.- length X width)	Approximately 2,351
#2	Corridor Sharing Opportunities	Various federal, state, and county highways, existing transmission line, railroad, and pipeline rights-of-way offer possible sharing opportunities.
#3	Public Lands	White Pine Hollow State Forest Preserve (IA), Mines of Spain SP (IA), Governor Dodge SP (WI), Tower Hill SP (WI), (WI), Natural Bridge SP (WI), , Bluemounds SP (WI), Governor Nelson SP (WI), Belmont Mound SP (WI), numerous county parks, state natural areas, wildlife areas, trails, and recreational areas are located throughout the screening area. The Upper Mississippi River National Wildlife and Fish Refuge is also located in the screening area.
#4	Sensitive Resources	Large, contiguous wetland areas are concentrated near the Mississippi and Wisconsin Rivers and their tributaries. Numerous Wisconsin State Natural Areas exist in the route screening area. The probability of encountering threatened, endangered, and rare species is high.
#5	Cultural Resources	The WHS database identifies archaeological and historic resources in the study area, particularly associated the Wisconsin and Mississippi River corridors.
	Miscellaneous	Principal ecological landscapes include the southwest savanna, western coulee and ridges, and central sand hills in Wisconsin. The western portions of the screening area are located in Wisconsin's driftless area and the Mississippi and Wisconsin River valleys.

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**Dunn Road-Egg Harbor 69-kV line**

	General Description	Construct a second line
	Length (miles)	12.66
#1	Screening Area (Sq. mi.)	82.7
#2	Corridor Sharing Opportunities	State Hwy 42 and existing transmission line X-24A provide the best opportunities for corridor sharing, along with county and local roads.
#3	Public Lands	None identified
#4	Sensitive Resources	The study area is adjacent to Lake Michigan.
#5	Cultural Resources	The WHS database identifies several architectural and historic sites within the study area, many are located near State Hwy 42.
	Miscellaneous	There is a high probability of encountering endangered resources.

**Hubbard - East Beaver Dam 138-kV line**

	General Description	New line
	Length (miles)	10
#1	Screening Area (Sq. mi.)	approximately 65
#2	Corridor Sharing Opportunities	Highway 33, county highways, and a railroad right-of-way offer possible sharing opportunities.
#3	Public Lands	Portions of Horicon Marsh and Shaw Marsh wildlife areas and the Wild Goose Trail are within the screening area.
#4	Sensitive Resources	Horicon and Shaw Marsh, Rock River, Pratt Creek, Schulz Creek, Crystal Creek, Park Creek and Beaver Dam River are located in the screening area.
#5	Cultural Resources	Cultural Map of Wisconsin does not identify any sites within the screening area.
	Miscellaneous	



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**Shoto-Custer 138-kV line**

	General Description	New line
	Length (miles)	6.9
#1	Screening Area (Sq. mi.)	54.3
#2	Corridor Sharing Opportunities	Existing transmission lines, state, county and local roads provide opportunities for corridor sharing.
#3	Public Lands	Several local parks and the Manitowoc County Airport are located in the project area.
#4	Sensitive Resources	The Manitowoc River, Wet Twin River, several unnamed tributaries and associated wetlands are located in the project area.
#5	Cultural Resources	The WHS database identifies numerous archaeological, architectural and historic sites within the project area.
	Miscellaneous	There is a low to moderate probability of encountering endangered resources.

**NOTES:**

#1	Screening Area Width:	For lines 0-5 miles long, screening area width equals length of segment: for lines 5-15 miles long, screening area width equals 5 miles; for lines > 15 miles long, screening area width equals 30% of line length.
#2	Corridor Sharing Opportunities:	Identify dominant corridor types.
#3	Public Lands:	Identify properties by name.
#4	Sensitive Resources:	List major stream crossings, significant topographic features, designated natural areas, etc.
#5	Cultural Resources:	List resources shown on the statewide cultural resources map.