

*Table RS-4  
Environmental Screening Information for New Lines, Rebuilds/Reconductors on Existing Right-of-Way*

Uprate M38-Atlantic 69-kV line from 120 to 167 degrees F	
General Description	Line Uprate
Length (miles)	22
#1 Screening Area (Sq. mi.- length X width)	Existing corridor
#2 Corridor Sharing Opportunities	N/A – existing transmission line corridor.
#3 Public Lands	Copper Country State Forest
#4 Sensitive Resources	The existing line crosses the Pike, Otter, and Sturgeon Rivers along with associated wetlands and tributaries.
#5 Cultural Resources	Cultural resources may be found in the area in the proximity of the rivers located in the screening area.
Miscellaneous	

  

Sunset Point-Pearl Avenue 69-kV line rebuild	
General Description	Rebuild a portion of the line
Length (miles)	2.37
#1 Screening Area (Sq. mi.- length X width)	Existing corridor
#2 Corridor Sharing Opportunities	N/A – existing transmission line corridor.
#3 Public Lands	Riverside Cemetery
#4 Sensitive Resources	The existing line is adjacent to the Fox River, and passes through a few wetland areas.
#5 Cultural Resources	The Cultural Map of Wisconsin identifies several historic sites located in the vicinity of the existing corridor along the Fox River.
Miscellaneous	The existing line passes through primarily urbanized areas.

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Rebuild Arpin-Rocky Run 345-kV line	
General Description	Rebuild line
Length (miles)	20
#1 Screening Area (Sq. mi.- length X width)	Existing corridor
#2 Corridor Sharing Opportunities	N/A – existing transmission line corridor.
#3 Public Lands	No State owned lands were identified along the line route.
#4 Sensitive Resources	The existing line crosses Mill Creek, Bear Creek, and Rocky Run and extensive associated wetlands.
#5 Cultural Resources	The Cultural Map of Wisconsin does not identify any resources along this line route.
Miscellaneous	This route passes primarily thorough agricultural and undeveloped lands.

  

Verona-Oregon 69-kV line rebuild	
General Description	Rebuild
Length (miles)	11
#1 Screening Area (Sq. mi.- length X width)	Existing corridor
#2 Corridor Sharing Opportunities	N/A-Existing transmission line corridor.
#3 Public Lands	Hook Lake and Grass Lake Wildlife Area and Natural Area, USFWS land
#4 Sensitive Resources	Potential crossing of a few unnamed streams, limited wetlands, low potential to encounter threatened and endangered species.
#5 Cultural Resources	The Cultural Map of Wisconsin identifies no historic resources in the vicinity of the existing line
Miscellaneous	The Muck Farms Airport, Tesmer Field, and Ha-Rail Field are located in the screening area.

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<b>Brodhead-South Monroe 69-kV line rebuild</b>	
General Description	Rebuild
Length (miles)	18
#1 Screening Area (Sq. mi.- length X width)	Existing corridor
#2 Corridor Sharing Opportunities	N/A – existing transmission line corridor.
#3 Public Lands	None identified
#4 Sensitive Resources	The existing line crosses a number of streams.
#5 Cultural Resources	The Cultural Map of Wisconsin identifies a number of historic sites in and around the City of Monroe.
Miscellaneous	There is a low potential for encountering endangered resources.

  

<b>Racine-Somers-Albers 138-kV line rebuild</b>	
General Description	Rebuild 138-kV line
Length (miles)	8
#1 Screening Area (Sq. mi.- length X width)	Existing corridor
#2 Corridor Sharing Opportunities	N/A – existing transmission line corridor.
#3 Public Lands	No state-owned lands were identified along the route.
#4 Sensitive Resources	The Pike River, several unnamed tributaries, and associated wetlands are located along the line route.
#5 Cultural Resources	There are several known archaeological sites located along the line route. There is a moderate to high likelihood of encountering archaeological resources on this route.
Miscellaneous	There is a moderate to high likelihood of encountering rare species on this route.

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<b>Monroe County-Council Creek 161-kV line</b>	
General Description	Construct line
Length (miles)	20
#1 Screening Area (Sq. mi.- length X width)	Existing corridor
#2 Corridor Sharing Opportunities	N/A – existing transmission line corridor.
#3 Public Lands	Elroy-Sparta State Trail, Fort McCoy Barrens State Natural Area
#4 Sensitive Resources	The existing line crosses a number of waterways and associated wetland areas, including: Farmers Valley Creek, Silver Creek, Chub Creek, Council Creek, South Fork Lemon weir River, and some unnamed streams.
#5 Cultural Resources	The Cultural Map of Wisconsin identifies historic sites within the cities of Tomah and Sparta, along with the Elroy-Sparta state trail.
Miscellaneous	There is a moderate probability of encountering endangered resources.

<b>Uprate Council Creek-Petenwell 138-kV line</b>	
General Description	Rebuild 138-kV line
Length (miles)	32
#1 Screening Area (Sq. mi.- length X width)	Existing corridor
#2 Corridor Sharing Opportunities	N/A – existing transmission line corridor.
#3 Public Lands	No state-owned lands are crossed along the route.
#4 Sensitive Resources	The line crosses Kreyer Creek, Lemonweir River, Beaver Creek, S. Branch Yellow River, Yellow River, the West Petenwell Ditch (trout stream) and numerous unnamed tributaries along with associated wetlands. Much of the route passes through currently undeveloped woodlands and wetlands.
#5 Cultural Resources	Wisconsin Historical Society information identifies several known archaeological sites in the area with one near Necedah crossed by the line route.
Miscellaneous	Due to the proximity of this route to Necedah National Wildlife Refuge, Meadow Valley State Wildlife Area, Mill Bluff State Park, and the numerous streams, wetlands, and undeveloped lands located along this route, there is a moderate to high likelihood of encountering rare species on this route.

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Rebuild Y-32 Colley Road-Brick Church 69-kV line		
	General Description	Rebuild 69-kV line
	Length (miles)	20
#1	Screening Area (Sq. mi.- length X width)	Existing corridor
#2	Corridor Sharing Opportunities	N/A – existing transmission line corridor.
#3	Public Lands	No state-owned lands are crossed along the route.
#4	Sensitive Resources	The line route crosses Spring Brook, Little Turtle Creek (Outstanding/Exceptional Water Resource), a few unnamed streams and wetlands associated with the waterways. Most of the line route is located along public roads or in agricultural lands.
#5	Cultural Resources	The Cultural Map of Wisconsin identifies the Clinton Village Hall and the Jefferson Prairie Norwegian Settlement near the existing corridor.
	Miscellaneous	Due to the primarily agricultural setting of this line, there is a moderate likelihood of encountering rare species on this route.
Canal-Dunn Road 69-kV line		
	General Description	Construct line
	Length (miles)	7.64
#1	Screening Area (Sq. mi.- length X width)	Existing corridor
#2	Corridor Sharing Opportunities	N/A – existing transmission line corridor.
#3	Public Lands	None identified
#4	Sensitive Resources	The existing line crosses Sturgeon Bay and one unnamed stream.
#5	Cultural Resources	There is low probability of encountering endangered resources.
	Miscellaneous	

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<b>Second Shorewood-Humboldt 138-kV underground cable</b>	
General Description	Add a second underground circuit along existing route
Length (miles)	0.75
#1 Screening Area (Sq. mi.- length X width)	Existing transmission line corridor
#2 Corridor Sharing Opportunities	N/A – existing transmission line corridor.
#3 Public Lands	Most of the existing line route is located in Estabrook Park.
#4 Sensitive Resources	Estabrook Park, The Milwaukee River, and an associated wetland along the west side of the river.
#5 Cultural Resources	The line crosses a known archaeological site identified in the WHS records west of the Milwaukee River.
Miscellaneous	
<b>Town Line Road-Bass Creek 138-kV line rebuild</b>	
General Description	Rebuild 138-kV line
Length (miles)	9
#1 Screening Area (Sq. mi.- length X width)	Existing corridor
#2 Corridor Sharing Opportunities	N/A – existing transmission line corridor.
#3 Public Lands	WDNR owns lands along the existing line.
#4 Sensitive Resources	The existing line crosses Bass Creek, and a few streams and associated wetlands. Much of the existing line is adjacent to Bass Creek. Ressler Railroad Prairie is located along the line route.
#5 Cultural Resources	The Cultural Map of Wisconsin identifies no cultural resources in the project area. The route does pass near several known archaeological sites.
Miscellaneous	There is a moderate to high likelihood of encountering rare species on this route.

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<b>Blaney Park-Munising 69-kV line conversion to 138 kV</b>	
General Description	Rebuild to 138 kV
Length (miles)	50
#1 Screening Area (Sq. mi.- length X width)	Existing corridor
#2 Corridor Sharing Opportunities	N/A – existing transmission line corridor.
#3 Public Lands	Hiawatha National Forest, Escanaba River State Forest, Lake Superior State Forest, and Seney National Wildlife Refuge.
#4 Sensitive Resources	The existing line passes through numerous wetlands.
#5 Cultural Resources	None identified
Miscellaneous	There is high potential for encountering rare species.

  

<b>Rebuild part of the Y-8 Dane-Dam Heights 69-kV line</b>	
General Description	Rebuild 69-kV line
Length (miles)	5
#1 Screening Area (Sq. mi.- length X width)	Existing corridor
#2 Corridor Sharing Opportunities	N/A – existing transmission line corridor.
#3 Public Lands	Lodi Marsh Wildlife area is located along the route and Lodi Marsh State Natural Area is located near the line.
#4 Sensitive Resources	The Wisconsin River, Spring Creek, and several unnamed tributaries, and associated wetlands are located along the line route.
#5 Cultural Resources	There are several known archaeological sites located along the line route. There is a moderate to high likelihood of encountering archaeological resources on this route.
Miscellaneous	There is a moderate to high likelihood of encountering rare species on this route.

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<u>Uprate Royster to Sycamore 69-kV line to 115 MVA</u>		
	General Description	Uprate existing line
	Length (miles)	3.4
#1	Screening Area (Sq. mi.- length X width)	Existing corridor
#2	Corridor Sharing Opportunities	N/A – existing transmission line corridor.
#3	Public Lands	No state-owned lands were identified along the route.
#4	Sensitive Resources	Starkweather Creek and associated wetlands are located along the line route.
#5	Cultural Resources	There is one known archaeological sites located along the line route.
	Miscellaneous	A portion of the route is located along a bike trail.

  

<u>Bayport-Suamico-Sobieski-Pioneer rebuild/conversion</u>		
	General Description	Rebuild/Convert to 138 kV
	Length (miles)	21.5
#1	Screening Area (Sq. mi.- length X width)	Existing corridor
#2	Corridor Sharing Opportunities	N/A – existing transmission line corridor.
#3	Public Lands	None identified
#4	Sensitive Resources	The existing line crosses numerous wetlands and streams, including the Fox, Oconto, Pensaukee, Suamico, and Little Suamico Rivers; Duck, Haller, Spring, Brookside, and Kirchner Creeks, and several unnamed streams.
#5	Cultural Resources	Due to the proximity of this route to Green Bay near the mouth of the Fox River, there is a moderate to high likelihood of encountering archaeological resources on this route. The Cultural Resources Map of Wisconsin identifies one historic site within the Town of Suamico.
	Miscellaneous	Due to the proximity of this route to Green Bay and the Fox River, there is a moderate to high likelihood of encountering rare species on this route.

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<b>Replace two overhead Blount-Ruskin 69-kV lines with one underground 69-kV line</b>	
General Description	Replace Overhead circuits with underground line
Length (miles)	2.2
#1 Screening Area (Sq. mi.- length X width)	Existing corridor
#2 Corridor Sharing Opportunities	Existing transmission line corridor, public roads and railroad corridors.
#3 Public Lands	Burr Jones park and the Yahara River Parkway are located along the existing route.
#4 Sensitive Resources	The Yahara River is crossed along the existing route
#5 Cultural Resources	The WHS records identify one archaeological site and several historic properties along the line route.
Miscellaneous	There is a low probability of encountering rare species. This line passes through urban lands.

<b>West Middleton-Blount 138-kV line</b>	
General Description	Construct 138-kV line
Length (miles)	5
#1 Screening Area (Sq. mi.- length X width)	Existing corridor
#2 Corridor Sharing Opportunities	N/A – existing transmission line corridor.
#3 Public Lands	The existing line parallels a recreational trail and golf course.
#4 Sensitive Resources	This line is primarily through a highly urbanized area, much of the existing line is underground. There are a few small wetlands and unnamed streams near the existing overhead portions east of West Middleton.
#5 Cultural Resources	The Cultural Map of Wisconsin identifies a number of historic resources in the vicinity of the existing corridor.
Miscellaneous	

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Reconfigure the North Randolph-Ripon 69-kV line to	
General Description	Add 1/2 mile of new line or replace single circuit with double circuit for 4-miles.
Length (miles)	5
#1 Screening Area (Sq. mi.- length X width)	Existing corridor or public road
#2 Corridor Sharing Opportunities	N/A – existing transmission line corridor or existing road.
#3 Public Lands	No state-owned lands or major parklands are crossed on this route.
#4 Sensitive Resources	No wetlands or permanent waterways are located along the route. Landuse is primarily agricultural.
#5 Cultural Resources	The WHS records do not identify any known archaeological sites along the line route.
Miscellaneous	There is a low potential of encountering endangered resources.

Convert Indian Lake-Hiawatha 69-kV line to double-	
General Description	Convert existing line to double circuit 138 kV
Length (miles)	40
#1 Screening Area (Sq. mi.- length X width)	Existing corridor
#2 Corridor Sharing Opportunities	N/A – existing transmission line corridor.
#3 Public Lands	Lake Superior State Forest lands are crossed.
#4 Sensitive Resources	The existing line crosses the Manistique River, several streams and numerous wetland.
#5 Cultural Resources	Due to the undeveloped nature of much of the lands along this line route, there is a moderate to high probability of identifying archaeological and historic sites in the vicinity of the corridor.
Miscellaneous	There is a high probability of encountering rare species. This line passes through primarily undeveloped forested areas.

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<b>Uprate Kewaunee-East Krok 138-kV Line</b>	
General Description	Uprate 138-kV Line
Length (miles)	8.2
#1 Screening Area (Sq. mi.- length X width)	Existing corridor
#2 Corridor Sharing Opportunities	N/A – existing transmission line corridor.
#3 Public Lands	No public lands were identified along the line route.
#4 Sensitive Resources	Few intermittent streams and wetlands are located along the route.
#5 Cultural Resources	The WHS records do not identify any known archaeological sites along the line route.
Miscellaneous	There is a low probability of encountering rare species. This line passes through primarily agricultural lands.

  

<b>McCue - Lamar 69-kV double dircuit line</b>	
General Description	Add second circuit
Length (miles)	3.5
#1 Screening Area (Sq. mi.- length X width)	Existing corridor
#2 Corridor Sharing Opportunities	N/A – existing transmission line corridor along railroad.
#3 Public Lands	No state-owned lands were identified along the route.
#4 Sensitive Resources	There are no significant waterways or wetlands crossed along the route.
#5 Cultural Resources	There are no archaeolpgical sites located along the line route identified in the WHS database.
Miscellaneous	There is a low likelihood of encountering rare species on this route.

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<b>Ramsey-Harbor 138-kV line reconductor</b>	
General Description	Reconductor underground portion of existing line 138-kV Line 8.4
Length (miles)	8.4
#1 Screening Area (Sq. mi.- length X width)	Existing corridor
#2 Corridor Sharing Opportunities	N/A – existing transmission line corridor.
#3 Public Lands	The majority of the existing line is located below public roads.
#4 Sensitive Resources	The line route crosses under the Kinnikinnic River in the Milwaukee Harbor.
#5 Cultural Resources	Due to the location of the line primarily under public roads, there is a low probability of identifying intact archaeological sites in the vicinity of the corridor.
Miscellaneous	There is a low probability of encountering rare species. This line passes through primarily developed urban areas.

**NOTES:**

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|----|---------------------------------|--|
| #1 | Screening Area Width:           | For projects on existing rights-of-way the screening area consists of the current location and lands immediately adjacent. |
| #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.  |