



Henvey Inlet Wind LP

Henvey Inlet Wind Transmission Line

Appendix A. Transmission Line Screening Checklist (Ontario Regulation 116/01)

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Category	Criteria	Route A		Route B		Additional Information
		Yes	No	Yes	No	
1.0 Surface and Groundwater	1.1 Potential effects on surface water quality, quantity or flow	√		√		<ul style="list-style-type: none"> Construction is proposed away from surface waterbodies but has the potential to affect adjacent waterbodies Surface water quality has the potential to be impacted by sedimentation and/or spills during construction
	1.2 Potential effects on groundwater quality, quantity or movement	√		√		<ul style="list-style-type: none"> Potential impacts to groundwater quality impacts could occur where excavation is required for tower foundations
	1.3 Potential to cause significant sedimentation, soil erosion or shoreline or riverbank erosion on or off-site		√		√	<ul style="list-style-type: none"> BMPs for vegetation removal near waterbodies will be applied during construction. There is the potential for some sedimentation to occur, however the use of BMPs will avoid significant sedimentation
	1.4 Potential negative effects on surface or groundwater from accidental spills or releases to the environment	√		√		<ul style="list-style-type: none"> Spills of fuels, lubricating oils and other fluids have the potential to occur during construction and operation of the facility
2.0 Land Use	2.1 Potential negative effects on residential, commercial or institutional land uses within 500 metres of the site		√	√		<ul style="list-style-type: none"> No negative residential, commercial or institutional land use impacts are anticipated for Route A Route B requires some private land crossings and could result in negative impacts
	2.2 Inconsistent with the Provincial Policy Statement, provincial land use or resource management plans		√		√	<ul style="list-style-type: none"> The transmission routes are predominantly on Crown land and are consistent with PPS and provincial plans Provincial Policy Statement does not apply to any sections of the transmission corridor within First Nation Reserve lands
	2.3 Inconsistency with municipal land use policies, plans and zoning by-laws		√		√	<ul style="list-style-type: none"> The transmission routes are anticipated to be consistent with municipal land use policies and zoning by-laws Municipal policies, plans and zoning by-laws are not applicable to any sections of the transmission corridor within First Nation Reserve lands
	2.4 Use of hazard lands or unstable lands that are subject to erosion		√		√	<ul style="list-style-type: none"> It is not anticipated that any transmission components will be located within hazard lands
	2.5 Potential negative effects related to the remediation of contaminated land		√		√	<ul style="list-style-type: none"> Known contaminated sites will be avoided
3.0 Air and Noise	3.1 Potential negative effects on air quality due to emissions of nitrogen dioxide, sulphur dioxide, suspended particulates, or other pollutants	√		√		<ul style="list-style-type: none"> Diesel and gasoline-powered equipment will be used during construction phase of the Transmission Line Limited use of diesel and gasoline-powered service vehicles will occur during the maintenance phase

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3.0 Air and Noise <i>(continued)</i>	3.2 Potential negative effects on air quality due to the emission of greenhouse gases (CO ₂ , methane)	√		√		<ul style="list-style-type: none"> Greenhouse gas emissions will be limited to construction equipment during the construction phase of the Transmission Line and service vehicles during the maintenance phase
	3.3 Potential negative effects on air quality due to emission of dust or odour	√		√		<ul style="list-style-type: none"> Dust will be created during construction of the Transmission Line, but will be limited to areas in the vicinity of the work and is not anticipated to impact other activities
	3.4 Potential negative effects due to the emission of noise	√		√		<ul style="list-style-type: none"> Noise emissions will be temporary in nature and limited to construction equipment during construction phase Any noise generated during operations is expected to be very limited; however there could be some noise associated with the SS
4.0 Natural Environment	4.1 Potential negative effects on rare, threatened or endangered species of flora or fauna or their habitat	√		√		<ul style="list-style-type: none"> Rare, threatened and endangered species have been recorded and confirmed within the study area and the species and their habitat have the potential to be disrupted
	4.2 Potential negative effects on protected natural areas such as ANSIs, ESAs or other significant natural areas		√		√	<ul style="list-style-type: none"> Grundy Lake Provincial Park is north of Highway 522 adjacent to the Route A Transmission Line study area. It is anticipated that final routing will avoid any impact to this park. No other ANSIs, ESAs or other protected natural areas are known to occur within either transmission corridor
	4.3 Potential negative effects on wetlands	√		√		<ul style="list-style-type: none"> Wetland complexes are found throughout the study area and have the potential to be disrupted during construction activities
	4.4 Potential negative effects on wildlife habitat, populations, corridors or movement	√		√		<ul style="list-style-type: none"> Wildlife habitat, populations and movement corridors may be affected during construction activities
	4.5 Potential negative effects on fish or their habitat, spawning, movement or environmental conditions (e.g., water temperature, turbidity, etc.)	√		√		<ul style="list-style-type: none"> Some vegetation removal may be required in shoreline areas and the potential for associated erosion and sedimentation has the potential for negative effects
	4.6 Potential negative effects on migratory birds, including effects on their habitat or staging areas	√		√		<ul style="list-style-type: none"> Clearing of vegetation has the potential to affect migratory birds and their habitat
	4.7 Potential negative effects on locally important or valued ecosystems or vegetation	√		√		<ul style="list-style-type: none"> Infrastructure has the potential to be sited in areas that could impact valued ecosystems and vegetation communities

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5.0 Resources	5.1 Result in inefficient (below 40%) use of a non-renewable resource (efficiency is defined as the ratio of output energy to input energy, where output energy includes electricity produced plus useful heat captured)		√		√	• The Transmission Line is not expected to result in inefficient use of non-renewable resources
	5.2 Potential negative effects on the use of Canada Land Inventory Class 1-3, specialty crop or locally significant agricultural lands		√		√	• The Transmission Line is not located on significant agricultural lands
	5.3 Potential negative effects on existing agricultural production		√		√	• The Transmission Line is not expected to affect agricultural production
	5.4 Potential negative effects on the availability of mineral, aggregate or petroleum resources		√		√	• Neither construction activities nor the location of the Transmission Line infrastructure are anticipated to impact the availability of mineral, aggregate or petroleum resources
	5.5 Potential negative effects on the availability of forest resources	√		√		• The study area is within the French-Severn Forest Management Unit and will result in some tree clearing for the transmission right-of-way
	5.6 Potential negative effects on game and fishery resources, including negative effects caused by creating access to previously inaccessible areas	√		√		• Some previously inaccessible areas may become accessible through the creation of the transmission corridor
6.0 Socio-Economic	6.1 Potential negative effects on neighbourhood or community character		√	√		<ul style="list-style-type: none"> • Transmission Line towers and conductors may alter the community character along Route B where the line is in proximity to populated areas • Route A is not located in close proximity to any communities and is unlikely to have negative effects on community character
	6.2 Potential negative effects on local businesses, institutions or public facilities		√		√	<ul style="list-style-type: none"> • Local businesses are expected to benefit from an influx in demand for services during the construction phase • No long-term effects are anticipated
	6.3 Potential negative effects on recreation, cottaging or tourism		√		√	• The alterations to the visual landscape resulting from the Transmission Line which could impact tourism are expected to be minimal

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6.0 Socio-Economic <i>(continued)</i>	6.4 Potential negative effects related to increases in the demands on community services and infrastructure		√		√	<ul style="list-style-type: none"> The Transmission Line does not require water or wastewater services so no additional demands on community infrastructure will occur
	6.5 Potential negative effects on the economic base of a municipality or community		√		√	<ul style="list-style-type: none"> During construction of the Transmission Line, local suppliers will be used to the extent possible which will generate additional local revenues
	6.6 Potential negative effects on local employment and labour supply		√		√	<ul style="list-style-type: none"> Local labour will be used to the extent possible during construction activities
	6.7 Potential negative effects related to traffic		√		√	<ul style="list-style-type: none"> MTO permits will be obtained for access and egress from Highway 69 and Highway 522 The majority of all other road traffic will occur within the transmission right-of-way or construction/maintenance access roads
	6.8 Potential to cause public concerns related to public health and safety		√		√	<ul style="list-style-type: none"> Public concerns related to safety may include aspects related to electric and magnetic fields (EMFs) associated with transmission station and Transmission Lines Current scientific research does not demonstrate that EMFs cause or contribute to adverse health effects
7.0 Heritage and Culture	7.1 Potential negative effects on heritage buildings, structures or sites, archaeological resources, or cultural heritage landscapes	√		√		<ul style="list-style-type: none"> The Transmission Line will be designed to avoid or minimize impacts to areas of cultural importance that were identified through the Traditional Knowledge Study and archaeological assessments
	7.2 Potential negative effects on scenic or aesthetically pleasing landscapes or views	√		√		<ul style="list-style-type: none"> Transmission line towers and conductors will alter the visual landscapes in some sections of both routes Most sections follow the existing infrastructure ROW (i.e., Hwy 69 or Hwy 522) and are less likely to have negative effects on the visual landscape
8.0 Aboriginal	8.1 Cause negative effects on First Nations or other Aboriginal communities		√		√	<ul style="list-style-type: none"> First Nation community members will be consulted as part of the EA process
9.0 Other	9.1 Result in the creation of waste materials requiring disposal	√		√		<ul style="list-style-type: none"> Waste materials will be created during the construction and maintenance of the Transmission Line Waste materials will be disposed of at an approved facility
	9.2 Potential negative environmental effects not covered by the criteria outlined above		√		√	N/A