







Why monitor?

- Confirm the nature and magnitude of effects;
- Assess effectiveness of mitigation;
- Identify any unexpected effects;
- Identify additional mitigation measures;
- Confirm compliance with regulatory requirements;
 and
- Collect information to evaluate long-term changes or trends.

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Valued component selection

- Fish and fish habitat
- Vegetation and wetlands
- Wildlife and wildlife habitat
- Employment and the economy
- Infrastructure and services

Fish and fish habitat

• Stream crossings



Vegetation and wetlands

- Wetlands
- Plant species of conservation concern
- Invasive plant species
- Traditional use plant species





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Wildlife and wildlife habitat

- Amphibians
- Common garter snakes
- Birds
- Ungulates and predators
- Black bear







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Employment and the economy

- Project employment reporting
- Direct/indirect business opportunities reporting
- Direct labor income and taxes reporting



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Infrastructure and services

• Traffic monitoring survey



Valued Component	Key Monitoring Activity	Pre- Construction Surveys	Clearing and Construction of the Transmission Lines and station modifications			Post Construction	
		Fiscal Year(s) (April-March)					
		2017/18 (1 st -3 rd Quarters)	2017/2018 (4 th Quarter)	2018/2019	2019/2020	2020/2021	2021/202
Fish and Fish Habitat	Stream Crossing Assessment						
Vegetation and Wetlands	Wetland Surveys						
	Rare Plant Surveys						
	Invasive Species Survey						
	Traditional Use Plant Species Survey						
Wildlife and Wildlife	Wetland Amphibian Survey						
Habitat	Snake Hibernacula Survey						
	Bird-Wire Collision Survey						
	Sharp-tailed Grouse Lek Survey						
	Bird Species of Conservation Concern Survey						
	Golden-winged Warbler Habitat Survey						
	Raptor Neet Survey						
	Distribution / Occurrence Mapping Survey						
	Camera Trap Survey						
	Vehicle Collision Statistic Gathering						
	Mineral Lick Survey						
Employment and Economy	Project Employment Reporting						
	Direct Indirect Business Opportunities Reporting						
	Direct Labor Income and Taxes Reporting						
Infrastructure and	Traffic Manitoring Survey						
Services	Black Bear Balt Site Camera Trap Survey						
Outfitting and Falconry							
	Peregrine Falcon Conservation Centre Sunan						

Valued component selection

Vegetation and wetlands

- Wetlands
- Plant species of conservation concern
- Invasive plant species
- Traditional use plant species

Wildlife and wildlife habitat

- Amphibians
- Common garter snakes
- Birds
- Ungulates and predatorsBlack bear

Traditional use plant species

- Black River First Nation
- Long Plain First Nation
- Swan Lake First Nation
- Peguis First Nation
- Sagkeeng First Nation
- Roseau River Anishinabe First Nation
- Dakota Plains First Nation
- Manitoba Metis Federation

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Traditional use plant species

• Long-term vegetation monitoring plots at traditional use sites



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