

Environmental Effects Screening Form

P2716 – Pakenham Substation Transmission Project (“the Project”)

The purpose of this form is to obtain information to support the AESO’s abbreviated needs identification document (ANID) application or consideration under Section 501.3 of the ISO Rules, Abbreviated Needs Approval Process, including whether the Project could be eligible as an ANID Checklist Application. The information provided in this form may be made public as part of an AUC proceeding or in response to an AUC compliance review in accordance with Section 7.1 of AUC Rule 007, *Facility Applications*, effective November 6, 2025.

ENVIRONMENTAL EFFECTS OF THE PROJECT		
Please identify and explain whether any of the applied for routes occur within or intersect:	Response	If yes, please specify
Waterbodies	☒ Yes ☐ No	The proposed route will intersect ephemeral and permanent water bodies / wetlands
Crown land (other than the beds and shores of waterbodies and wetlands)	☒ Yes ☐ No	The entire Project is located within Crown Land
National or Provincial Parks	☐ Yes ☒ No	
Caribou Range	☐ Yes ☒ No	
Mountain Goat and Sheep Area	☒ Yes ☐ No	The Project is located within the Mountain Goat and Sheep Range
Key Wildlife and Biodiversity Zones	☐ Yes ☒ No	
Lands with Historic Resource Values of 1, 2 or 3	☐ Yes ☒ No	

Any other environmental or land use features of concern	☒ Yes ☐ No	The project does not intersect any lands with a Historic Resource Value, however, three areas along the proposed route were identified by the Government of Alberta to have potential historic resources, requiring a Historic Resource Impact Assessment. The Project is located within a Grizzly Bear Zone.
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ADDITIONAL INFORMATION

With the implementation of planned mitigation measures, is the Project expected to result in significant environmental effects?	☐ Yes ☒ No
Provide additional explanation as necessary.	ATCO Electric Ltd. (ATCO) will address the environmental and land use effects in its Facility Application for the Project as per AUC Rule 007. Based on the scope of the Project, data available, environmental surveys completed and ATCO mitigative measures, the Project is not expected to result in significant environmental effects.

SIGNATURE

I, **Johnathon Naughton**, understand this form has been completed to the best of **ATCO's** knowledge and based on project area information available to date.

Company Representative	Signature:	
	Print Name:	Johnathon Naughton
	Job Title:	Lands Planner
	Company:	ATCO Electric Ltd.
	Date:	July 29, 2026