

December 19th, 2025

Via AUC eFiling

Alberta Utilities Commission
1400, 600 Third Avenue S.W.
Calgary, Alberta T2P 0G5

RE: Beacon AI Centers – Heartland Project Thermal Power Plant Application

Heartland Power Generation LP, by its general partner Northbridge Power GPC Inc., (Heartland Power), is seeking approval to construct and operate the Beacon AI Centers – Heartland Project, a 920 MWe (nominal capacity) natural gas-fired power plant (the Project). The Project is located approximately seven (7) km east of Gibbons, within the Alberta Industrial Heartland Designated Industrial Zone (IH-DIZ).

The Project will consist of 200, 4.6 MWe INNIO Jenbacher J624 lean-burn natural gas-fired reciprocating engines, grouped in 40 Quick-Deploy Power and Containerized (QPAC) modules, each containing five (5) engines. The total capability of the Project will be 920 MWe, and under normal operating scenarios, will supply ~800 MWe to co-located, on-site data halls.

Heartland Power has undertaken engineering, design, and studies, including an Air Quality Assessment and a Noise Impact Assessment, completed environmental evaluations, and engaged other regulatory bodies to confirm there are no adverse impacts. An Initial Project Description has been filed with the Impact Assessment Agency of Canada (IAAC), and an application under *Environmental Protection and Enhancement Act (EPEA)* is being submitted concurrently.

The Project is located in the IH-DIZ, an area zoned for heavy industrial use, is aligned with area land use plans and frameworks, and is not within a Buffer Zone or a Visual Impact Assessment Zone. The Project will eventually be connected to the transmission system; however, those details have not yet been designed. As a result, a connection order is not being applied for at this time.

Heartland Power / Beacon held various consultations with stakeholders, Indigenous Groups, and Municipalities to address any questions or concerns. Stakeholders within 2,000 m of the Project were identified and contacted, and an open house was held. While there are no Indigenous Groups within the consultation radii, Heartland / Beacon still engaged a number of Indigenous Groups. A completed *AUC Municipal Engagement Form* has been received from Sturgeon County. Heartland Power provided an update in response to concerns raised to date. Any outstanding issues or concerns are identified as ongoing.

Heartland Power submits this application under Section 11 of the *Hydro and Electric Energy Act* (RSA 2000, c H-16) (*HEEA*). Heartland Power also requests any other such approvals or exemptions as deemed necessary by the Alberta Utilities Commission (the AUC or the Commission) to permit the activities contemplated in this application to proceed.

All the best,

Heartland Power Generation LP

Joseph Shovlin