AUC
Alberta Utilities Commission

June 27, 2025 **Decision 30046-D01-2025**

MAGA Energy Ltd.
900, 900 Sixth Avenue S.W.
Calgary, Alta. T2P 3K2

Attention: Colbert Law

Nine-Megawatt Natural Gas-Fired Power Plant
Proceeding 30046
Application 30046-A001

Power plant application

1. MAGA Energy Ltd. and SAIDI (Canada) Ltd. by Application 30046-A001, registered on May 15, 2025, applied to the Alberta Utilities Commission to construct and operate a nine-megawatt natural gas-fired power plant, located in Westlock County.

2. The power plant would consist of ten 900-kilowatt Weichai Gen-Set WPB1100C76NG generators, which will use natural gas gathered by the 10-33 Hazel Bluff Compressor Station connected to MAGA's dry natural gas source. The power plant would be connected to 10 cryptocurrency data centres, located on MAGA's licenced lease and would generate electricity to power the data centres for cryptocurrency mining.

3. MAGA expects to commence construction on July 7, 2025, with an expected construction completion date of July 19, 2025, and an in-service date of July 26, 2025.

4. MAGA retained ACI Acoustical Consultants Inc. to conduct a noise impact assessment (NIA) for the project in accordance with Rule 012: *Noise Control*. The NIA modelled 10 Weichai Gen-Set WPB1100C76NG units and 10 enclosed data centres as project sound sources. The NIA identified one existing energy-related facility within the study area, which is the Hazel Bluff Compressor Station, but this compressor station is currently non-operational and will remain non-operational when the proposed power plant commences operation. The project with no mitigation was predicted to exceed the permissible sound levels set out in Rule 012 at the most affected receptor, R1. To achieve compliance with Rule 012, the NIA implemented a two-metre-tall earth berm around the south, west and north perimeter of the project site as a mitigation measure. MAGA explained that the berm will also provide a visual screen for most of the impacted residences. The NIA concluded that the mitigated project will be compliant with Rule 012. The cumulative sound level at Receptor R1 is predicted to be 39.0 A-weighted decibels, which is one decibel lower than the nighttime permissible sound level at this receptor.

5. Given that construction of the earth berm is critical for the project to achieve compliance with Rule 012, the Commission imposes the following condition of approval:

a. During project construction, MAGA shall construct a two-metre-tall earth berm around the south, west and north perimeter of the project site, as described in the noise impact assessment. Within 15 days prior to commencing operations, MAGA must submit a letter to the Commission confirming that construction of the berm has been completed.

6. Overall, the Commission finds that the NIA meets the requirements of Rule 012 and accepts the conclusion in the NIA that the project will be compliant with Rule 012. Given the predicted one-decibel compliance margin[1] at the most affected receptor, MAGA is not required to conduct a post-construction comprehensive sound level survey to verify compliance at this time. If MAGA receives a noise complaint from a nearby resident after the facility is in operation, the Commission expects MAGA to make every reasonable attempt to resolve the complaint in a timely manner. If MAGA is unable to resolve the complaint, Section 5 of Rule 012 sets out the process for residents near the facility to file a complaint directly with the Commission. The Commission will investigate any noise complaints that may arise once the project commences operations and, in response to a complaint, may order a comprehensive sound level survey to verify project compliance and evaluate noise impacts.

7. MAGA has provided information respecting the need, extent, location, ownership and the timing of the power plant. MAGA confirmed that it will fulfil the requirements of all other agencies with jurisdiction over the project, and that the power plant will meet the *Alberta Ambient Air Quality Objectives*. MAGA has confirmed that the power plant will comply with Rule 012, no other person is directly and adversely affected by the power plant, and no adverse environmental impact will be caused by the power plant.

8. The Commission approves the application. Approval 30046-D02-2025 is attached.

9. The Commission's approval of the application is solely for the electrical components that comprise the power plant equipment. The Commission has no approval authority over the cryptocurrency mining and data centre operations.

10. The Commission may, no later than 60 days from the date of this decision and without notice, correct typographical, spelling and calculation errors and other similar types of errors and post the corrected decision on its website.

Alberta Utilities Commission

(original signed by)

Rita Chan
Director – Power Plants, Facilities Division
On behalf of the Alberta Utilities Commission

Attachment

[1] Compliance margin is the difference between permissible sound level and cumulative sound level (i.e., permissible sound level minus cumulative sound level).