AUC
Alberta Utilities Commission

October 9, 2026 **Decision 30958-D01-2026**

Kneehill Solar GP Inc.
2930, 155 Wellington Street West
Toronto, Ont. M5V 3H1

Attention: Yasser Beshr

Kneehill Energy Storage Facility Letter of Enquiry
Proceeding 30958
Application 30958-A001

Approval of minor amendments

1. Kneehill Solar GP Inc., by Application 30958-A001, registered on July 21, 2026, applied to the Alberta Utilities Commission for approval to make minor amendments to the 10-megawatt (MW) energy storage facility within the existing Kneehill Solar Generation Facility boundary, in the Three Hills area.

2. The proposed work is related to facilities previously approved by the Commission but not yet constructed in Approval 30539-D02-2026.[1]

3. Kneehill Solar requested to update the equipment of the battery energy storage system from the SolBank system to the HyperBlock system, a type of HyperStrong system. Kneehill Solar indicated that the number of containers would be reduced from eight to five, inverters would be reduced from eight to three, and transformers would be reduced from four to three. Kneehill Solar confirmed that the HyperBlock system uses the same lithium iron phosphate battery chemistry as the approved configuration and that the proposed changes are not changing the battery technology or associated characteristics.[2]

4. Kneehill Solar confirmed that the project capability remains the same as what was approved, at 10 MW/20 megawatt-hours.

5. Kneehill Solar stated that the proposed HyperBlock system incorporates safety systems and design features that are comparable to the approved SolBank system and are intended to prevent, detect and mitigate thermal events, fire hazards and explosion risks. Kneehill Solar confirmed that it will continue to meet the safety obligations in the approval, including energy storage facility-related training, ongoing safety upgrades and annual updates to the site-specific emergency response plan.

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1 Energy Storage Facility Approval 30539-D02-2026, Proceeding 30539, Application 30539-A001, January 28, 2026.
2 Exhibit 30958-X0001, Letter of Enquiry for Minor Amendment, PDF page 2.

6. Kneehill Solar provided a letter from Stantec Consulting Ltd., which confirmed that the original dispersion modelling and risk assessment prepared by Calvin Consulting Group Ltd. for the approved battery system remains valid and that the carbon monoxide release rates observed during HyperBlock testing are below the carbon monoxide emission rate used in the original modelling assessment.[3] Kneehill Solar confirmed that the proposed HyperBlock system would not be expected to result in materially different hydrogen fluoride emissions or hydrogen fluoride-related risk outcomes than the system evaluated in the original assessment.[4]

7. Kneehill Solar retained Green Cat Renewables Canada Corporation to complete a noise impact assessment for the proposed equipment which concluded that the project will comply with Rule 012: *Noise Control*.[5]

8. Kneehill Solar confirmed that the proposed changes are limited to internal equipment arrangement to be located within the approved project boundary.

9. Kneehill Solar has provided information respecting the need, nature, extent, land affected, land ownership and the timing of the work. Kneehill Solar also stated that no adverse environmental impact will be caused by the proposed work.

10. Based upon the information provided, the Commission is satisfied that the proposed amendment to the energy storage facility is of a minor nature, no person is directly and adversely affected by the proposal, and no significant adverse environmental impact will be caused by the proposed work. The Commission approves the amendment to the energy storage facility.

11. Approval 30958-D02-2026 is attached.

12. 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

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

Attachment

[3] Exhibit 30958-X0012, KneehillSolar-Response_to_AUC_Information_Request_Round_1.
[4] Exhibit 30958-X0018, KneehillSolar-Response_to_AUC_Information_Request_Round_2.
[5] Exhibit 30958-X0015, Attachment 3 - Kneehill BESS - LOE NIA Letter.