

Power Plant Approval 28723-D02-2024

Appendix 1 to Decision 28723-D01-2024	September 12, 2024
Dolcy Solar Inc. Dolcy Solar + Energy Storage Project Power Plant	Proceeding 28723 Application 28723-A001

Dolcy Solar Inc., by Application 28723-A001, registered on December 15, 2023, applied to the Alberta Utilities Commission for approval to construct and operate the Dolcy Solar + Energy Storage Project Power Plant in the Municipal District of Wainwright, Alberta.

Pursuant to sections 11 and 19 of the *Hydro and Electric Energy Act*, the Commission approved the application in Decision 28723-D01-2024,¹ and granted an approval to Dolcy to construct and operate the power plant, subject to the provisions of the *Hydro and Electric Energy Act* and the *Alberta Utilities Commission Act*, any regulations made under the acts, any orders made under the acts, the Commission rules made pursuant to the *Alberta Utilities Commission Act*, and the following terms and conditions:

1. The power plant shall be located in sections 19, 30 and 31, Township 41, Range 4, west of the Fourth Meridian; and sections 25 and 36, Township 41, Range 5, west of the Fourth Meridian, as further described in the application.
2. The power plant shall consist of approximately 625,000 600-watt bifacial solar panels/modules on a fixed-tilt racking system, with a total generating capability of up to 450 megawatts, approximately 76 inverter/transformer units, an underground collector system, a fence and internal access roads, and as further described in the application.
3. The approval is subject to the following conditions, which have been described in the decision:
 - a. Once Dolcy Solar Inc. has finalized its equipment selection for the project, it must file a final project update to the Commission to confirm that the project has stayed within the final project update allowances for solar power plants and energy storage facilities specified in Rule 007: *Applications for Power Plants, Substations, Transmission Lines, Industrial System Designations, Hydro Developments and Gas Utility Pipelines*. The final project update must be filed at least 90 days prior to the start of construction.

¹ Decision 28723-D01-2024: Dolcy Solar Inc. – Dolcy Solar + Energy Storage Project, Proceeding 28723, Applications 28723-A001 to 28723-A003, September 12, 2024.

- b. As part of the final project update, Dolcy Solar Inc. must file an updated agrivoltaics plan that reflects the final project layout, and incorporates the best available knowledge and best practices for initiating the agrivoltaics program.
- c. Dolcy Solar Inc. must file an annual agricultural report that documents the production realized from the agrivoltaics program. This report must be filed with the AUC no later than January 31 for the first three years of the agrivoltaics program.
- d. Dolcy Solar Inc. shall submit an annual post-construction monitoring survey report to Alberta Environment and Protected Areas beginning no later than January 31 of the year following the mortality monitoring period and submit the annual post-construction monitoring survey report and the Alberta Environment and Protected Areas' post-construction monitoring response letter to the Commission within one month of its issuance to Dolcy Solar Inc. These reports and response letters shall be subsequently filed with the same time constraints every subsequent year for which Alberta Environment and Protected Areas requires surveys pursuant to subsection 3(3) of Rule 033: *Post-approval Monitoring Requirements for Wind and Solar Power Plants*.
- e. Dolcy Solar Inc. shall install bird strike diverters on the project fencing and any additional mitigation measures recommended by Alberta Environment and Protected Areas near David Lake within the southwest quarter of Section 36 of the project lands to prevent collisions of birds with the fencing.
- h. Dolcy Solar Inc. shall continually, during construction and operation, and at a minimum annually, review and update the site-specific emergency response plan, and incorporate any reasonable changes necessary to address concerns received from Edgerton emergency services, the Municipal District of Wainwright, and other interested stakeholders such as local landowners. The updated plans are to be provided to the Municipal District of Wainwright and local fire departments.
- i. Dolcy Solar Inc. shall develop and implement a reliable communication plan based on input from local residents and landowners that adequately accounts for any limitations or deficiencies of the local telecommunications network.
- j. Dolcy Solar Inc. shall provide on-site training specifically to the local first responders following commissioning of both the power generation portion of the project and additionally following the completion of the emergency response plan.
- m. Dolcy Solar Inc. shall notify impacted stakeholders about the Commission approvals and permit and licence. Stakeholders to be notified shall include occupants, residents, landowners, Indigenous groups, industrial stakeholders within the notification radius as required in Rule 007: *Applications for Power Plants, Substations, Transmission Lines, Industrial System Designations, Hydro Developments and Gas Utility Pipelines*, local authorities, and other relevant agencies. Dolcy shall inform these stakeholders of the construction completion date specified in the approvals and permit and licence and the most up-to-date construction schedule for the project.
- n. Dolcy Solar Inc. shall file a visual screening plan with the Commission, detailing discussions with Robert (Dale) Scott and the final details of the visual impact mitigation. Unless D. Scott and Dolcy agree otherwise, Dolcy shall pay for the purchase and

installation of any vegetation required as part of the visual screening plan, and will make reasonable efforts to support the establishment of the selected vegetation. The visual screening plan must be filed at least 90 days prior to the start of construction.

- o. As part of the final project update, Dolcy Solar Inc. must submit an updated solar glare assessment to the Commission that details specifications for mitigation measures sufficient to achieve no predicted glare from the project on local roads. In the updated solar glare assessment, Dolcy shall also verify the feasibility and effectiveness of the mitigation measures via glare modelling.
 - p. Dolcy Solar Inc. shall promptly address any complaints or concerns regarding solar glare from the project. In the event of complaints or concerns, Dolcy shall file an annual report with the Commission detailing any complaints or concerns it receives regarding solar glare from the project during the first three years of operation, with the first report due to the Commission no later than 13 months after the project becomes operational. The report shall also detail Dolcy's response to the complaints or concerns, and describe the mitigation measures that Dolcy has implemented.
 - q. Dolcy Solar Inc. shall use solar panels with anti-reflective coating for the project.
 - r. Dolcy Solar Inc. shall conduct a post-construction comprehensive sound level (CSL) survey, including an evaluation of low frequency noise, at Receptor R1. The post-construction CSL survey must be conducted under representative conditions and in accordance with Rule 012: *Noise Control*. Within one year after the project commences operations, Dolcy shall file a report with the Commission presenting measurements and summarizing the results of the post-construction CSL survey.
 - s. In the final project update, Dolcy Solar Inc. shall describe whether Dolcy has selected screw piles or driven piles and explain the reasoning for the selection. If different pile technologies will be used for different parts of the project, this information must be included in the final project update.
 - t. If the pile design is altered after the final project update, Dolcy Solar Inc. shall provide the Commission with a summary of those changes and explain what necessitated the changes. This summary shall be filed with the Commission no later than the start of construction.
4. Unless otherwise authorized by the Commission, construction of the power plant shall be completed by July 15, 2028.
 5. Dolcy shall notify the Commission within 30 days of completing the power plant.
 6. Dolcy shall obtain Commission approval prior to making any substantive changes to the power plant or substantially varying the design or specifications of the power plant from what was stated in the application or what the Commission has approved.
 7. This approval is not transferable unless approved by the Commission.

The Commission may cancel or suspend this approval, in whole or in part, in accordance with Section 41 of the *Hydro and Electric Energy Act*, or may review this approval, in whole or in part upon its own motion, or upon an application by an interested party, in accordance with Section 10 of the *Alberta Utilities Commission Act*.

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

Alberta Utilities Commission

(original signed by)

Renée Marx
Panel Chair