

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 Form 6-K REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16 UNDER THE SECURITIES EXCHANGE ACT OF 1934 For the month of February, 2025. Commission File Number 001-41976 Solarbank Corporation (Translation of registrant's name into English) 505 Consumers Rd., Suite 803 Toronto, Ontario, M2J 4Z2 Canada (Address of principal executive office) Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F. Form 20-F ☐ Form 40-F ☐ Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1) ☐ Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7) ☐

SIGNATURES Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized. Date February 10, 2025

Solarbank Corporation By: /s/ Sam Sun Sam Sun Chief Financial Officer & Corporate Secretary 2

Exhibit Index Exhibit Description of Exhibit 99.1 Press Release dated February 10, 2025 3

Exhibit 99.1 SolarBank Confirms Quarterly Financial Results Release Date and Earnings Call Toronto, Ontario, February 10, 2025 SolarBank Corporation (NASDAQ: SUUN; Cboe CA: SUNN, FSE: GY2) (SolarBank or the Company) announces that it intends to release its quarterly financial results for the second quarter ended December 31, 2024 after close of the Nasdaq market on Friday, February 14, 2025 and will be hosting a webinar to provide a business update and discuss the quarterly results on February 18, 2025 following the Nasdaq market holiday on February 17, 2025. You are invited to a webinar When: February 18, 2025 04:30 PM Eastern Time (US and Canada) Topic: SolarBank Corporation Quarterly Earnings Release & Management Update Register in advance for this webinar: <https://events.teams.microsoft.com/event/76089cb8-6aa9-4c0c-91ad-4c410064ddde@f90ea049-87a1-4082-95af-7e4e24c02cb4> After registering, you will receive a confirmation email containing information about joining the webinar. About SolarBank Corporation SolarBank Corporation is an independent renewable and clean energy project developer and owner focusing on distributed and community solar projects in Canada and the USA. The Company develops solar, Battery Energy Storage System (BESS) and EV Charging projects that sell electricity to utilities, commercial, industrial, municipal and residential off-takers. The Company maximizes returns via a diverse portfolio of projects across multiple leading North America markets including projects with utilities, host off-takers, community solar, and virtual net metering projects. The Company has a potential development pipeline of over one gigawatt and has developed renewable and clean energy projects with a combined capacity of over 100 megawatts built. To learn more about SolarBank, please visit [www.solarbankcorp.com](http://www.solarbankcorp.com). For further information, please contact: SolarBank Corporation Tracy Zheng Email: [tracy.zheng@solarbankcorp.com](mailto:tracy.zheng@solarbankcorp.com) Phone: 416.494.9559

FORWARD-LOOKING STATEMENTS This news release contains forward-looking statements and forward-looking information within the meaning of Canadian securities legislation (collectively, forward-looking statements) that relate to the Company's current expectations and views of future events. Any statements that express, or involve discussions as to, expectations, beliefs, plans, objectives, assumptions or future events or performance (often, but not always, through the use of words or phrases such as "will likely result", "are expected to", "expects", "will continue", "is anticipated", "anticipates", "believes", "estimated", "intends", "plans", "forecast", "projection", "strategy", "objective" and "outlook") are not historical facts and may be forward-looking statements and may involve estimates, assumptions and uncertainties which could cause actual results or outcomes to differ materially from those expressed in such forward-looking statements. In particular and without limitation, this news release contains forward-looking statements pertaining to the Company's expectations regarding its industry trends and overall market growth; the Company's growth strategies and the size of the Company's development pipeline. No assurance can be given that these expectations will prove to be correct and such forward-looking statements included in this news release should not be unduly relied upon. These statements speak only as of the date of this news release. Forward-looking statements are based on certain assumptions and analyses made by the Company in light of the experience and perception of historical trends, current conditions and expected future developments and other factors it believes are appropriate, and are subject to risks and uncertainties. In making the forward looking statements included in this news release, the Company has made various material assumptions, including but not limited to: obtaining the necessary regulatory approvals; that regulatory requirements will be maintained; general business and economic conditions; the Company's ability to successfully execute its plans and intentions; the availability of financing on reasonable terms; the Company's ability to attract and retain skilled staff; market competition; the products and services offered by the Company's competitors; that the Company's current good relationships with its service providers and other third parties will be maintained; and government subsidies and funding for renewable energy will continue as currently contemplated. Although the Company believes that the assumptions underlying these statements are reasonable, they may prove to be incorrect, and the Company cannot assure that actual results will be consistent with these forward-looking statements. Given these risks, uncertainties and assumptions, investors should not place undue reliance on these forward-looking statements. Whether actual results, performance or achievements will conform to the Company's expectations and predictions is subject to a number of known and unknown risks, uncertainties, assumptions and other factors, including those listed under "Forward-Looking Statements" and "Risk Factors" in the Company's most recently completed Annual Information Form, and other public filings of the Company, which include: the Company may be adversely affected by volatile solar power market and industry conditions; the execution of the Company's growth strategy depends upon the continued availability of third-party financing arrangements; the Company's future success depends partly on its ability to expand the pipeline of its energy business in several key markets; governments may revise, reduce or eliminate incentives and policy support schemes for solar and battery storage power; general global economic conditions may have an adverse impact on our operating performance and results of operations; the Company's project development and construction activities may not be successful; developing and operating solar projects exposes the Company to various risks; the Company faces a number of risks involving Power Purchase Agreements (PPAs) and project-level financing arrangements; any changes to the laws, regulations and policies that the Company is subject to may present technical, regulatory and economic barriers to the purchase and use of solar power; the markets in which the Company competes are highly competitive and evolving quickly; an anti-circumvention investigation could adversely affect the Company by potentially raising the prices of key supplies for the construction of solar power projects; foreign exchange rate fluctuations; a change in the Company's effective tax rate can have a significant adverse impact on its business; seasonal variations in demand linked to construction cycles and weather conditions may influence the

Company's results of operations;the Company may be unable to generate sufficient cash flows or have access to external financing; the Company may incur substantial additionalindebtedness in the future; the Company is subject to risks from supply chain issues; risks related to inflation; unexpected warrantyexpenses that may not be adequately covered by the Company's insurance policies; if the Company is unable to attract and retainkey personnel, it may not be able to compete effectively in the renewable energy market; there are a limited number of purchasers ofutility-scale quantities of electricity; compliance with environmental laws and regulations can be expensive; corporate responsibilitymay adversely impose additional costs; the future impact of any resurgence of COVID-19 on the Company is unknown at this time; the Companyhas limited insurance coverage; the Company will be reliant on information technology systems and may be subject to damaging cyberattacks;the Company may become subject to litigation; there is no guarantee on how the Company will use its available funds; the Company willcontinue to sell securities for cash to fund operations, capital expansion, mergers and acquisitions that will dilute the current shareholders;and future dilution as a result of financings. TheCompany undertakes no obligation to update or revise any forward-looking statements, whether as a result of new information, futureevents or otherwise, except as may be required by law. New factors emerge from time to time, and it is not possible for theCompany to predict all of them, or assess the impact of each such factor or the extent to which any factor, or combination of factors,may cause results to differ materially from those contained in any forward-looking statement. Any forward-looking statementscontained in this news release are expressly qualified in their entirety by this cautionary statement.

Â Â Â Â