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 September, 2024

Commission File Number: 001-41856

Carbon Revolution Public Limited Company

(Exact name of registrant as specified in its charter)

10 Earlsfort Terrace Dublin 2, D02 T380, Ireland (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 | \boxtimes | Form 40-F | |
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INFORMATION CONTAINED IN THIS REPORT ON FORM 6-K

As previously disclosed, Carbon Revolution Public Limited Company (the "Company") entered into agreements for a Structured Equity Facility (the "OIC Financing") for up to US\$110 million in funding, subject to satisfying various conditions precedent to each tranche of funding. The initial gross proceeds of US\$35 million were received by the Company on November 3, 2023 pursuant to a Securities Purchase Agreement by and among the Company and the fund vehicles affiliated with Orion Infrastructure Capital ("OIC" and, collectively, the "OIC Investors") party thereto, while an additional US\$35 million was funded into an escrow account on such date and has been held in escrow, with the release of such funds subject to the satisfaction of certain conditions. On each of April 10, 2024, May 24, 2024, June 21, 2024, July 10, 2024 and July 29, 2024, US\$5 million was released from the escrow account (each, an "Escrow Release").

On May 23, 2023, Carbon Revolution Operations PTY LTD., an Australian private limited company and indirect wholly-owned subsidiary of the Company ("Carbon Revolution Operations"), entered into a Trust Indenture by and between Carbon Revolution Operations and UMB Bank, National Association, as trustee (the "Trustee", and such Trust Indenture, as amended by the First Supplemental Indenture thereto, dated September 11, 2023, the Second Supplemental Indenture thereto, dated May 24, 2024, and the Third Supplemental Indenture, dated June 21, 2024, the "Indenture"). The Indenture and the Series 2023-A Notes issued thereunder were executed and issued pursuant to the New Debt Program arranged by PIUS Limited LLC and its affiliates.

As previously disclosed, on May 24, 2024, the Securities Purchase Agreement relating to the OIC Financing was amended to permit the issuance of Series 2024-A Notes by Carbon Revolution Operations in lieu of Series A Preferred Shares or Series B Preferred Shares in consideration for each Escrow Release, which Series 2024-A Notes rank pari passu with the Series 2023-A Notes and have substantially the same terms, with limited exceptions, and are issued pursuant to the Indenture, and, on June 21, 2024, such Securities Purchase Agreement was further amended to set forth the conditions for up to four additional Escrow Releases of US\$5 million each, constituting the remaining balance in the escrow account.

On September 5, 2024, pursuant to the OIC Financing, US\$5 million was released from escrow and the Company issued an aggregate principal amount of additional Series 2024-A Notes to OIC in such amount. The Company also issued to the OIC Investors a warrant to purchase a number of shares equal to 2.5% of the Company's shares outstanding, determined on a "Fully-Diluted Basis" in the same manner as applicable to the existing warrants previously issued to the OIC Investors.

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.

Carbon Revolution Public Limited Company

Date: September 6, 2024

By: /s/ Jacob Dingle

Name: Jacob Dingle Title: Chief Executive Officer