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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**  
Washington, D.C. 20549

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**SCHEDULE 14A**  
**Proxy Statement Pursuant to Section 14(a) of the  
Securities Exchange Act of 1934**  
**(Amendment No.    )**

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Filed by the Registrant

Filed by a Party other than the Registrant

Check the appropriate box:

- Preliminary Proxy Statement
- Confidential, for Use of the Commission Only (as permitted by Rule 14a-6(e)(2))**
- Definitive Proxy Statement
- Definitive Additional Materials
- Soliciting Material Pursuant to §240.14a-12

**Atlantic Coastal Acquisition Corp. II**  
(Name of Registrant as Specified In Its Charter)

(Name of Person(s) Filing Proxy Statement, if other than the Registrant)

Payment of Filing Fee (Check the appropriate box):

- No fee required.
- Fee paid previously with preliminary materials.
- Fee computed on table in exhibit required by Item 25(b) per Exchange Act Rules 14a-6(i)(1) and 0-11.
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**ATLANTIC COASTAL ACQUISITION CORP. II**

**6 St Johns Lane, Floor 5  
New York, NY 10013**

**SUPPLEMENT TO PROXY STATEMENT FOR  
THE SPECIAL MEETING OF STOCKHOLDERS  
To Be Held September 16, 2024**

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**Explanatory Note**

On September 4, 2024, Atlantic Coastal Acquisition Corp. II, which we refer to as “we,” “us,” “our,” “ACAB” or the “Company,” filed a definitive proxy statement, which, as supplemented, we refer to as the “Proxy Statement,” for a special meeting, which we refer to as the “Special Meeting,” of stockholders of the Company to be held at 4:30 p.m. Eastern Time on September 16, 2024. This supplement, which we refer to as this “Supplement,” to the Proxy Statement supplements the Proxy Statement as filed and should be read in conjunction with the Proxy Statement and any other additional proxy materials we have filed.

The purpose of this Supplement is to increase the consideration to be offered to stockholders who do not redeem their shares of Series A common stock for each share that is not redeemed through the meeting date from \$0.025 per month per share to \$0.03 per month per share.

THIS SUPPLEMENT SHOULD BE READ IN CONJUNCTION WITH THE PROXY STATEMENT.

EXCEPT AS SPECIFICALLY SUPPLEMENTED BY THE INFORMATION CONTAINED HEREIN, THIS SUPPLEMENT DOES NOT MODIFY ANY OTHER INFORMATION SET FORTH IN THE PROXY STATEMENT.

This Supplement supplements and updates the disclosures in the Proxy Statement as follows:

- All references in the Proxy Statement to “\$0.025” are replaced with “\$0.03”; the reference in the Proxy Statement to “\$11.32” is replaced with “\$11.33”; the reference in the Proxy Statement to “\$33,369” is replaced with “\$40,043.”

Other than the changes described in this Supplement, the terms in the Proxy Statement remain as described.

**Important Information**

There are no changes to the proposals to be acted upon at the Special Meeting, which are described in the Proxy Statement, or the proxy card you previously received. Except as amended or supplemented by the information contained in this Supplement, all information set forth in the Proxy Statement continues to apply and should be considered in voting your shares.

This Supplement and the Proxy Statement are available on the SEC’s website at [www.sec.gov](http://www.sec.gov).

Whether or not you intend to be present at the Special Meeting of Stockholders, we urge you to vote or submit your proxy promptly.

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**SIGNATURE**

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 hereunto duly authorized.

Date: September 13, 2024

By Order of the Board of Directors

/s/ Shahraab Ahmad

Shahraab Ahmad

Chairman and Chief Executive Officer

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