

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

FORM 10-Q

QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended March 31, 2022

OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from to \_\_\_\_\_

**AMCI ACQUISITION CORP. II**  
(Exact name of registrant as specified in its charter)

Delaware  
(State or other jurisdiction of  
incorporation or organization)

001-40282  
(Commission File Number)

86-1763050  
(IRS Employer Identification No.)

600 Steamboat Road  
Greenwich, Connecticut  
(Address Of Principal Executive Offices)

06830  
(Zip Code)

(203) 625-9200  
Registrant's telephone number, including area code

Not Applicable  
(Former name or former address, if changed since last report)

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Units, each consisting of one share of Class A common stock and one-half of one redeemable warrant	AMCIU	The Nasdaq Stock Market LLC
Class A common stock, par value \$0.0001 per share	AMCI	The Nasdaq Stock Market LLC
Warrants, each whole warrant exercisable for one share of Class A common stock, each at an exercise price of \$11.50 per share	AMCIW	The Nasdaq Stock Market LLC

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes  No

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes  No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer  Accelerated filer   
Non-accelerated filer  Smaller reporting company   
Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes  No

As of May 16, 2022, 15,000,000 shares of Class A common stock, par value \$0.0001 per share, and 3,750,000 shares of Class B common stock, par value \$0.0001 per share, were issued and outstanding.

**AMCI ACQUISITION CORP. II**  
**Form 10-Q**  
**For the Quarter Ended March 31, 2022**  
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**PART I. FINANCIAL INFORMATION****Item 1. Condensed Financial Statements****AMCI ACQUISITION CORP. II  
CONDENSED BALANCE SHEETS**

	<u>March 31, 2022</u> (unaudited)	<u>December 31, 2021</u>
<b>Assets:</b>		
Current assets:		
Cash	\$ 8,315	\$ 343,399
Prepaid expenses - current	368,066	337,534
<b>Total current assets</b>	<u>376,381</u>	<u>680,933</u>
Prepaid expenses - long-term	106,687	184,812
Investments held in trust account	150,009,565	150,006,015
<b>Total Assets</b>	<u><b>\$ 150,492,633</b></u>	<u><b>\$ 150,871,760</b></u>
<b>Liabilities, Class A Common Stock Subject to Possible Redemption and Stockholders' Deficit:</b>		
Current liabilities:		
Accounts payable	\$ 68,034	\$ 85,534
Accrued expenses	2,556,117	229,733
Due to related party	219,723	49,723
Capital base tax payable	251,712	198,129
Franchise tax payable	49,365	188,237
<b>Total current liabilities</b>	<u>3,144,951</u>	<u>751,356</u>
Deferred underwriting commissions	5,250,000	5,250,000
Derivative warrant liabilities	6,380,000	5,610,000
<b>Total liabilities</b>	<u>14,774,951</u>	<u>11,611,356</u>
<b>Commitments and Contingencies (Note 5)</b>		
Class A common stock subject to possible redemption, \$0.0001 par value; 15,000,000 shares issued and outstanding at \$10.00 per share at redemption as of March 31, 2022 and December 31, 2021		
	150,000,000	150,000,000
<b>Stockholders' Deficit:</b>		
Preferred stock, \$0.0001 par value; 1,000,000 shares authorized; no shares issued or outstanding as of March 31, 2022 and December 31, 2021	—	—
Class A common stock, \$0.0001 par value; 280,000,000 shares authorized; no non-redeemable shares issued or outstanding as of March 31, 2022 and December 31, 2021	—	—
Class B common stock, \$0.0001 par value; 20,000,000 shares authorized; 3,750,000 shares issued and outstanding as of March 31, 2022 and December 31, 2021	375	375
Additional paid-in capital	—	—
Accumulated deficit	(14,282,693)	(10,739,971)
<b>Total stockholders' deficit</b>	<u>(14,282,318)</u>	<u>(10,739,596)</u>
<b>Total Liabilities, Class A Common Stock Subject to Possible Redemption and Stockholders' Deficit</b>	<u><b>\$ 150,492,633</b></u>	<u><b>\$ 150,871,760</b></u>

*The accompanying notes are an integral part of these unaudited condensed financial statements.*

**AMCI ACQUISITION CORP. II**  
**UNAUDITED CONDENSED STATEMENTS OF OPERATIONS**

	<u>For the Three Months Ended March 31, 2022</u>	<u>For the Period from January 28, 2021 (inception) through March 31, 2021</u>
General and administrative expenses	\$ 2,652,324	\$ 1,126
General and administrative expenses - related party	30,000	—
Capital base tax expense	53,583	—
Franchise tax expense	49,365	—
Loss from operations	<u>(2,785,272)</u>	<u>(1,126)</u>
Other income (expenses):		
Change in fair value of derivative warrant liabilities	(770,000)	—
Income from investments held in trust account	12,550	—
<b>Loss before income tax expense</b>	<u>(3,542,722)</u>	<u>(1,126)</u>
Income tax expense	—	—
<b>Net loss</b>	<u><u>\$ (3,542,722)</u></u>	<u><u>\$ (1,126)</u></u>
<b>Weighted average shares outstanding of Class A common stock, basic and diluted</b>	<u>15,000,000</u>	<u>—</u>
<b>Basic and diluted net loss per share, Class A common stock</b>	<u><u>\$ (0.19)</u></u>	<u><u>\$ —</u></u>
<b>Weighted average shares outstanding of Class B common stock, basic and diluted</b>	<u>3,750,000</u>	<u>3,750,000</u>
<b>Basic and diluted net loss per share, Class B common stock</b>	<u><u>\$ (0.19)</u></u>	<u><u>\$ (0.00)</u></u>

*The accompanying notes are an integral part of these unaudited condensed financial statements.*

**AMCI ACQUISITION CORP. II**  
**UNAUDITED CONDENSED STATEMENTS OF CHANGES IN STOCKHOLDERS' EQUITY (DEFICIT)**

**FOR THE THREE MONTHS ENDED MARCH 31, 2022**

	Common Stock				Additional Paid-In Capital	Accumulated Deficit	Total Stockholders' Deficit
	Class A		Class B				
	Shares	Amount	Shares	Amount			
<b>Balance - January 1, 2022</b>	—	—	3,750,000	375	—	(10,739,971)	(10,739,596)
Net loss	—	—	—	—	—	(3,542,722)	(3,542,722)
<b>Balance - March 31, 2022 (unaudited)</b>	—	\$ —	3,750,000	\$ 375	\$ —	\$ (14,282,693)	\$ (14,282,318)

**FOR THE PERIOD FROM JANUARY 28, 2021 (INCEPTION) THROUGH MARCH 31, 2021**

	Common Stock				Additional Paid-In Capital	Accumulated Deficit	Total Stockholders' Equity
	Class A		Class B				
	Shares	Amount	Shares	Amount			
<b>Balance - January 28, 2021 (inception)</b>	—	\$ —	—	\$ —	\$ —	\$ —	\$ —
Issuance of Class B common stock to Sponsor	—	—	4,312,500	431	24,569	—	25,000
Net loss	—	—	—	—	—	(1,126)	(1,126)
<b>Balance - March 31, 2021 (unaudited)</b>	—	\$ —	4,312,500	\$ 431	\$ 24,569	\$ (1,126)	\$ 23,874

*The accompanying notes are an integral part of these unaudited condensed financial statements.*

**AMCI ACQUISITION CORP. II**  
**UNAUDITED CONDENSED STATEMENTS OF CASH FLOWS**

	<u>For the Three Months Ended March 31, 2022</u>	<u>For the Period from January 28, 2021 (inception) through March 31, 2021</u>
<b>Cash Flows from Operating Activities:</b>		
Net loss	\$ (3,542,722)	\$ (1,126)
Adjustments to reconcile net loss to net cash used in operating activities:		
General and administrative expenses paid by Sponsor in exchange for issuance of Class B common stock	—	1,000
Change in fair value of derivative warrant liabilities	770,000	—
Income from investments held in the trust account	(12,550)	—
Changes in operating assets and liabilities:		
Prepaid expenses	47,593	—
Accounts payable	(17,500)	—
Due to related party	170,000	—
Accrued expenses	2,326,384	—
Capital base tax payable	53,583	—
Franchise tax payable	(138,872)	—
<b>Net cash used in operating activities</b>	<u>(344,084)</u>	<u>(126)</u>
<b>Cash Flows from Investing Activities:</b>		
Investment income released from Trust Account	9,000	—
<b>Net cash provided by investing activities</b>	<u>9,000</u>	<u>—</u>
<b>Cash Flows from Financing Activities:</b>		
Proceeds from note payable to related party	—	1,000
<b>Net cash provided by financing activities</b>	<u>—</u>	<u>1,000</u>
<b>Net change in cash</b>	(335,084)	874
<b>Cash - beginning of the period</b>	343,399	—
<b>Cash - end of the period</b>	<u>\$ 8,315</u>	<u>\$ 874</u>
<b>Supplemental disclosure of noncash activities:</b>		
Offering costs paid by related party under note payable and advances	\$ —	\$ 77,632
Offering costs included in accrued expenses	\$ —	\$ 15,450
Offering costs paid by Sponsor in exchange for issuance of Class B common stock	\$ —	\$ 24,000

*The accompanying notes are an integral part of these unaudited condensed financial statements.*

**AMCI ACQUISITION CORP. II**  
**NOTES TO UNAUDITED CONDENSED FINANCIAL STATEMENTS**

**Note 1 - Description of Organization and Business Operations**

AMCI Acquisition Corp. II (the “Company”) is a blank check company incorporated as a Delaware corporation on January 28, 2021. The Company was formed for the purpose of effecting a merger, capital stock exchange, asset acquisition, stock purchase, reorganization or similar business combination with one or more businesses (the “business combination”).

As of March 31, 2022, the Company has neither engaged in any operations nor generated any revenues. All activity to date relates to the Company’s formation and the initial public offering (“initial public offering”), described below. The Company will not generate any operating revenues until after the completion of its initial business combination, at the earliest. The Company will generate non-operating income in the form of interest income on cash and cash equivalents from the proceeds derived from the initial public offering and from changes in the fair value of its derivative warrant liabilities, if applicable. The Company has selected December 31 as its fiscal year end.

The Company’s sponsor is AMCI Sponsor II LLC, a Delaware limited liability company (the “Sponsor”).

The registration statement for the Company’s initial public offering was declared effective on August 3, 2021 (the “effective date”). On August 6, 2021, the Company consummated its initial public offering of 15,000,000 units (the “units”). Each unit consists of one Class A common stock of the Company, par value \$0.0001 per share (the “Class A common stock”), and one-half of one redeemable warrant of the Company (the “warrant”), each whole warrant entitling the holder thereof to purchase one Class A common stock for \$11.50 per share. The units were sold at a price of \$10.00 per unit, generating gross proceeds to the Company of \$150,000,000, which is discussed in Note 3.

Simultaneously with the closing of the initial public offering, the Company completed the private sale of an aggregate of 3,500,000 warrants (the “private placement warrants”) to the Sponsor at a purchase price of \$1.00 per private placement warrant, generating gross proceeds to the Company of \$3,500,000. The private placement warrants are identical to the warrants sold in the initial public offering, except that the private placement warrants, so long as they are held by the Sponsor or its permitted transferees, (i) are not redeemable by the Company, (ii) may not (including the Class A common stock issuable upon exercise of such private placement warrants), subject to certain limited exceptions, be transferred, assigned or sold by such holders until 30 days after the completion of the Company’s initial business combination, (iii) may be exercised by the holders on a cashless basis and (iv) will be entitled to registration rights. No underwriting discounts or commissions were paid with respect to such sales.

As the initial public offering includes two instruments, Class A common stock and warrants, and as the warrants are classified as a financial liability, it is necessary to allocate the gross proceeds between Class A common stock and warrants. The Company adopted the residual method to allocate the gross proceeds between Class A common stock and warrants based on their relative fair values. The gross proceeds were first allocated to the fair value of the warrants and the residual amount was allocated to the Class A common stock. The percentage derived from this allocation was used to allocate the deferred offering costs between Class A common stock and warrants. Issuance costs allocated to the warrants were expensed to the Company’s unaudited condensed statements of operations.

Transaction costs of the initial public offering amounted to \$13,782,542 and consisted of \$1,500,000 of underwriting discount, \$5,250,000 of deferred underwriting discount, \$6,509,758 in fair value of Class B common stock issued to Anchor Investors, and \$522,784 of other offering costs.

A total of \$150,000,000 was placed in a U.S.-based trust account maintained by Continental Stock Transfer & Trust Company, acting as trustee.

**AMCI ACQUISITION CORP. II**  
**NOTES TO UNAUDITED CONDENSED FINANCIAL STATEMENTS**

The Company must complete one or more initial business combination having an aggregate fair market value of at least 80% of the value of the assets held in the trust account (as defined elsewhere in this Quarterly Report on Form 10-Q) (excluding the amount of deferred underwriting discounts held in trust and taxes payable on the income earned on the trust account) at the time of the signing a definitive agreement in connection with the initial business combination. However, the Company will only complete a business combination if the post-transaction company owns or acquires 50% or more of the outstanding voting securities of the target or otherwise acquires a controlling interest in the target sufficient for it not to be required to register as an investment company under the Investment Company Act of 1940, as amended (the “Investment Company Act”). There is no assurance that the Company will be able to complete a business combination successfully.

Upon the closing of the initial public offering, management has agreed that an amount equal to at least \$10.00 per unit sold in the initial public offering, including the proceeds of the private placement warrants, will be held in a trust account (the “trust account”), located in the United States with Continental Stock Transfer & Trust Company acting as trustee, and will invest only in U.S. government securities, within the meaning set forth in Section 2(a)(16) of the Investment Company Act, having a maturity of 185 days or less or in money market funds meeting certain conditions under Rule 2a-7 promulgated under the Investment Company Act which invest only in direct U.S. government treasury obligations. Except with respect to interest earned on the funds held in the trust account that may be released to the Company to pay taxes, if any, the proceeds from the initial public offering and the sale of the private placement warrants will not be released from the trust account until the earliest of (i) the completion of initial business combination, (ii) the redemption of the Company’s public shares if the Company is unable to complete an initial business combination by August 6, 2023, subject to applicable law, or (iii) the redemption of the Company’s public shares properly submitted in connection with a stockholder vote to amend its amended and restated certificate of incorporation to modify the substance or timing of the Company’s obligation to redeem 100% of its public shares if the Company has not consummated an initial business combination by August 6, 2023 or with respect to any other material provisions relating to stockholders’ rights or pre-initial business combination activity. The proceeds deposited in the trust account could become subject to the claims of the Company’s creditors, if any, which could have priority over the claims of the Company’s public stockholders.

The Company will provide its public stockholders with the opportunity to redeem all or a portion of their public shares upon the completion of the initial business combination either (i) in connection with a stockholder meeting called to approve the business combination or (ii) without a stockholder vote by means of a tender offer. The decision as to whether the Company will seek stockholder approval of a proposed business combination or conduct a tender offer will be made by the Company, solely in its discretion. The stockholders will be entitled to redeem all or a portion of their public shares upon the completion of the initial business combination at a per-share price, payable in cash, equal to the aggregate amount then on deposit in the trust account calculated as of two business days prior to the consummation of the initial business combination, including interest earned on the funds held in the trust account (which interest shall be net of taxes payable), divided by the number of then outstanding public shares, subject to the limitations and on the conditions described herein. The amount in the trust account is initially anticipated to be \$10.00 per public share. The per share amount the Company will distribute to investors who properly redeem their shares will not be reduced by the deferred underwriting commissions the Company will pay to the representative of the underwriters.

The shares of common stock subject to redemption were recorded at a redemption value and classified as temporary equity upon the completion of the initial public offering, in accordance with Financial Accounting Standards Board’s (“FASB”) Accounting Standards Codification (“ASC”) Topic 480, “Distinguishing Liabilities from Equity.” In such case, the Company will proceed with a business combination if the Company has net tangible assets of at least \$5,000,001 upon such consummation of a business combination and, if the Company seeks stockholder approval, a majority of the issued and outstanding shares voted are voted in favor of the business combination.

**AMCI ACQUISITION CORP. II**  
**NOTES TO UNAUDITED CONDENSED FINANCIAL STATEMENTS**

The Company will have only 24 months from the closing of the initial public offering to complete the initial business combination (the “Combination Period”). However, if the Company is unable to complete the initial business combination within the Combination Period, the Company will (i) cease all operations except for the purpose of winding up, (ii) as promptly as reasonably possible but not more than ten business days thereafter, redeem the public shares, at a per-share price, payable in cash, equal to the aggregate amount then on deposit in the trust account, including interest earned on the funds held in the trust account (which interest shall be net of taxes payable and up to \$100,000 of interest to pay dissolution expenses), divided by the number of then outstanding public shares, which redemption will completely extinguish public stockholders’ rights as stockholders (including the right to receive further liquidation distributions, if any), and (iii) as promptly as reasonably possible following such redemption, subject to the approval of the Company’s remaining stockholders and the Company’s board of directors, liquidate and dissolve, subject, in each case, to the Company’s obligations under Delaware law to provide for claims of creditors and the requirements of other applicable law.

The Sponsor, officers and directors have agreed to (i) waive their redemption rights with respect to any founder shares and public shares they hold in connection with the completion of the initial business combination, (ii) waive their redemption rights with respect to any founder shares and public shares they hold in connection with a stockholder vote to approve an amendment to the Company’s amended and restated certificate of incorporation, (iii) waive their rights to liquidating distributions from the trust account with respect to any founder shares they hold if the Company fails to complete the initial business combination within the Combination Period, and (iv) vote their founder shares and any public shares purchased during or after the initial public offering in favor of the initial business combination.

The Sponsor has agreed that it will be liable to the Company if and to the extent any claims by a third party for services rendered or products sold to the Company, or a prospective target business with which the Company has entered into a written letter of intent, confidentiality or other similar agreement or business combination agreement, reduce the amount of funds in the trust account to below the lesser of (i) \$10.00 per public share and (ii) the actual amount per public share held in the trust account as of the date of the liquidation of the trust account, if less than \$10.00 per share due to reductions in the value of the trust assets, less taxes payable, provided that such liability will not apply to any claims by a third party (other than the Company’s independent registered public accounting firm) or prospective target business who executed a waiver of any and all rights to the monies held in the trust account (whether or not such waiver is enforceable), nor will it apply to any claims under the Company’s indemnity of the underwriters of the initial public offering against certain liabilities, including liabilities under the Securities Act. However, the Company has not asked the Sponsor to reserve for such indemnification obligations, nor has the Company independently verified whether the Sponsor has sufficient funds to satisfy its indemnity obligations and the Company believes that the Sponsor’s only assets are securities of the Company. Therefore, the Company cannot assure that the Sponsor would be able to satisfy those obligations. None of the Company’s officers or directors will indemnify the Company for claims by third parties including, without limitation, claims by vendors and prospective target businesses.

*Emerging Growth Company Status*

The Company is an “emerging growth company,” as defined in Section 2(a) of the Securities Act, as modified by the Jumpstart Our Business Startups Act of 2012 (the “JOBS Act”), and it may take advantage of certain exemptions from various reporting requirements that are applicable to other public companies that are not emerging growth companies including, but not limited to, not being required to comply with the independent registered public accounting firm attestation requirements of Section 404 of the Sarbanes-Oxley Act of 2002, reduced disclosure obligations regarding executive compensation in its periodic reports and proxy statements, and exemptions from the requirements of holding a nonbinding advisory vote on executive compensation and shareholder approval of any golden parachute payments not previously approved.

**AMCI ACQUISITION CORP. II**  
**NOTES TO UNAUDITED CONDENSED FINANCIAL STATEMENTS**

Further, Section 102(b)(1) of the JOBS Act exempts emerging growth companies from being required to comply with new or revised financial accounting standards until private companies (that is, those that have not had a Securities Act registration statement declared effective or do not have a class of securities registered under the Exchange Act) are required to comply with the new or revised financial accounting standards. The JOBS Act provides that an emerging growth company can elect to opt out of the extended transition period and comply with the requirements that apply to non-emerging growth companies but any such election to opt out is irrevocable. The Company has elected not to opt out of such extended transition period, which means that when a standard is issued or revised and it has different application dates for public or private companies, the Company, as an emerging growth company, can adopt the new or revised standard at the time private companies adopt the new or revised standard. This may make comparison of the Company's unaudited condensed financial statements with those of another public company which is neither an emerging growth company nor an emerging growth company which has opted out of using the extended transition period difficult or impossible because of the potential differences in accounting standards used.

*Risks and Uncertainties*

Management is continuing to evaluate the impact of the COVID-19 pandemic on the industry and has concluded that while it is reasonably possible that the virus could have a negative effect on the Company's financial position, results of its operations and/or search for a target company, the specific impact is not readily determinable as of the date of these unaudited condensed financial statements. The unaudited condensed financial statements do not include any adjustments that might result from the outcome of this uncertainty.

*Proposed Business Combination*

On March 8, 2022, the Company entered into an agreement and plan of merger (the "Merger Agreement") with AMCI Merger Sub, Inc., a Delaware corporation and a wholly owned subsidiary of the Company ("Merger Sub"), and LanzaTech NZ, Inc., a Delaware corporation ("LanzaTech"). Upon consummation of the transactions, the Company will change its name to "LanzaTech Global, Inc."

If the Business Combination is approved by the Company's stockholders and LanzaTech's stockholders, and the closing conditions in the Merger Agreement are satisfied or waived, then, among other things, upon the terms and subject to the conditions of the Merger Agreement and in accordance with Delaware General Corporation Law, Merger Sub will merge with and into LanzaTech, with LanzaTech surviving the merger as the Company's wholly owned subsidiary (the "Merger"). In connection with the consummation of the Merger, the Company will be renamed "LanzaTech Global, Inc." and is referred to herein as "New LanzaTech" as of the time following such change of name.

Under the Merger Agreement, the Company has agreed to acquire all of the outstanding equity interests of LanzaTech for consideration consisting of equity interests of New LanzaTech valued at \$1,817,000,000 in the aggregate. The consideration to be paid to holders of shares of LanzaTech capital stock will be shares of common stock of New LanzaTech ("New LanzaTech Common Stock"), valued at \$10.00 per share, to be paid at the closing of the Merger. The number of shares of New LanzaTech Common Stock payable in the Merger in respect of each share of LanzaTech capital stock (each, a "LanzaTech Share") will be determined based on the exchange ratio (the "Exchange Ratio"), and certain corresponding adjustments, in each case as set forth in the Merger Agreement.

Pursuant to the Merger Agreement, at Closing: (i) each warrant to purchase LanzaTech Shares (each, a "LanzaTech Warrant") that is outstanding and unexercised immediately prior to Closing and would automatically be exercised or exchanged in full in accordance with its terms by virtue of the occurrence of the Merger, will be so automatically exercised or exchanged in full for the applicable LanzaTech Shares, and each such LanzaTech Share will be treated as being issued and outstanding immediately prior to Closing and will be canceled and converted into the right to receive the applicable shares of New LanzaTech Common Stock; and (ii) each LanzaTech Warrant that is outstanding and unexercised immediately prior to the Closing and is not automatically exercised in full as described in clause (i) will be converted into a warrant to purchase shares of New LanzaTech Common Stock, in which case (a) the number of shares underlying such New LanzaTech warrant (each, a "New LanzaTech Warrant") will be determined by multiplying the number of LanzaTech Shares subject to such warrant immediately prior to Closing, by the Exchange Ratio and (b) the per share exercise price of such New LanzaTech Warrant will be determined by dividing the per share exercise price of such LanzaTech Warrant immediately prior to the Effective Time by the Exchange Ratio, except that in the case of certain warrants specified in the Merger Agreement, such exercise price will be \$10.00.

**AMCI ACQUISITION CORP. II**  
**NOTES TO UNAUDITED CONDENSED FINANCIAL STATEMENTS**

Pursuant to the Merger Agreement, at Closing, each option to purchase LanzaTech Shares (each, a “LanzaTech Option”) will be converted into an option to purchase a number of shares of New LanzaTech Common Stock (rounded down to the nearest whole share) equal to the product of (i) the number of LanzaTech Shares subject to such LanzaTech Option multiplied by (ii) the Exchange Ratio. The exercise price of such New LanzaTech option will be equal to the quotient of (a) the exercise price per share of such LanzaTech Option in effect immediately prior to the Effective Time divided by (b) the Exchange Ratio (and as so determined, this exercise price will be rounded up to the nearest full cent).

Pursuant to the Merger Agreement, at Closing, each award of restricted shares of LanzaTech common stock (each, a “LanzaTech RSA”) that is outstanding immediately prior to the Effective Time will be converted into an award of restricted shares of New LanzaTech Common Stock (each, a “New LanzaTech RSA”) on the same terms and conditions as were applicable to such LanzaTech RSA immediately prior to the Effective Time, except that such New LanzaTech RSA will relate to a number of shares of New LanzaTech Common Stock equal to the number of LanzaTech Shares subject to such LanzaTech RSA, multiplied by the Exchange Ratio.

The closing of the Merger is subject to certain customary conditions, including, among others, (i) adoption by AMCI’s stockholders and LanzaTech’s stockholders of the Merger Agreement and their approval of certain other actions related to the Business Combination, (ii) the expiration or termination of the waiting period (or any extension thereof) applicable to the transactions contemplated by the Merger Agreement and any ancillary agreements, in each case under the Hart-Scott-Rodino Antitrust Improvements Act of 1976, (iii) the effectiveness of a registration statement on Form S-4 (the “Registration Statement”) under the Securities Act of 1933, as amended (the “Securities Act”) with respect to the shares of New LanzaTech Common Stock to be paid as consideration in the Merger, (iv) there being no government order or law enjoining, prohibiting or making illegal the consummation of the Merger or the transactions contemplated by the Merger Agreement, (v) AMCI having at least \$5,000,001 of net tangible assets (as determined in accordance with Rule 3a51-1(g)(1) under the Exchange Act) after giving effect to any payments required to be made in connection with the redemption of AMCI’s public shares and the proceeds from the Subscription Agreements described below, (vi) AMCI having at least \$250,000,000 of cash at the closing of the Merger, consisting of cash held in AMCI’s trust account after taking into account any redemption of AMCI’s public shares, and the proceeds from the Subscription Agreements described below, net of transaction expenses of AMCI and LanzaTech, and (vii) the listing on Nasdaq of the shares of New LanzaTech Common Stock issued in connection with the Business Combination.

*Liquidity and Going Concern*

As of March 31, 2022, the Company had approximately \$8,000 in its operating bank account and a working capital deficit of approximately \$2.8 million.

The Company’s liquidity needs up to March 31, 2022 have been satisfied through a contribution of \$25,000 from the Sponsor to cover for certain offering costs in exchange for the issuance of Founder Shares, and a loan and advances from the Sponsor pursuant to the Note (as defined in Note 4). Subsequent to the IPO, net proceeds from the private placement of \$0.9 million were placed in the operating account for working capital purposes. In addition, in order to finance transaction costs in connection with a Business Combination, the Sponsor or an affiliate of the Sponsor, or certain of the Company’s officers and directors may, but are not obligated to, provide the Company Working Capital Loans (as defined in Note 4). On March 28, 2022, the Company entered into a noninterest-bearing Working Capital Loan with its Sponsor for the principal amount of up to \$1.5 million. As of March 31, 2022 and December 31, 2021, there were no amounts outstanding under any Working Capital Loan.

In connection with the Company’s assessment of going concern considerations in accordance with Financial Accounting Standard Board’s Accounting Standards Update (“ASU”) 2014-15, “*Disclosures of Uncertainties about an Entity’s Ability to Continue as a Going Concern*,” management has determined that the Company would not be able to meet its obligations as they become due within one year after the date that the unaudited condensed financial statements are available to be issued. As such, management has determined that the liquidity condition raises substantial doubt about the Company’s ability to continue as a going concern. As of March 31, 2022 and December 31, 2021, no adjustments have been made to the carrying amounts of assets or liabilities.

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**Note 2 – Basis of Presentation and Summary of Significant Accounting Policies**

***Basis of Presentation***

The accompanying unaudited condensed financial statements of the Company have been prepared in accordance with United States generally accepted accounting principles (“U.S. GAAP”) for interim financial information and Article 8 of Regulation S-X. Accordingly, they do not include all of the information and footnotes required by U.S. GAAP. In the opinion of management, all adjustments (consisting of normal accruals) considered for a fair presentation have been included. Operating results for the period from three months ended March 31, 2022 are not necessarily indicative of the results that may be expected for the year ended December 31, 2022 or any future period.

The accompanying unaudited condensed financial statements should be read in conjunction with the audited financial statements and notes thereto included in the Annual Report on Form 10-K filed by the Company with the SEC on March 25, 2022.

***Concentration of Credit Risk***

Financial instruments that potentially subject the Company to concentrations of credit risk consist of cash accounts in a financial institution, which, at times, may exceed the Federal Deposit Insurance Corporation coverage limit of \$250,000. As of March 31, 2022 and December 31, 2021, the Company has not experienced losses on these accounts and management believes the Company is not exposed to significant risks on such accounts.

***Cash and Cash Equivalents***

The Company considers all short-term investments with an original maturity of three months or less when purchased to be cash equivalents. The Company had no cash equivalents as of March 31, 2022 and December 31, 2021.

***Use of Estimates***

The preparation of unaudited condensed financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the unaudited condensed financial statements and the reported amounts of income and expenses during the reporting period. Making estimates requires management to exercise significant judgment. It is at least reasonably possible that the estimate of the effect of a condition, situation or set of circumstances that existed at the date of the unaudited condensed financial statements, which management considered in formulating its estimate, could change in the near term due to one or more future confirming events. Accordingly, the actual results could differ significantly from those estimates.

***Investments Held in the Trust Account***

The Company’s portfolio of investments is comprised of U.S. government securities, within the meaning set forth in Section 2(a)(16) of the Investment Company Act, with a maturity of 185 days or less, or investments in money market funds that invest in U.S. government securities and generally have a readily determinable fair value, or a combination thereof. When the Company’s investments held in the trust account are comprised of U.S. government securities, the investments are classified as trading securities. When the Company’s investments held in the trust account are comprised of money market funds, the investments are recognized at fair value. Trading securities and investments in money market funds are presented on the condensed balance sheets at fair value at the end of each reporting period. Gains and losses resulting from the change in fair value of these securities is included in income on investments held in the trust account in the accompanying unaudited condensed statements of operations. The estimated fair values of investments held in the trust account are determined using available market information.

***Financial Instruments***

The fair value of the Company’s assets and liabilities which qualify as financial instruments under the FASB ASC 820, “Fair Value Measurement,” equal or approximate the carrying amounts represented in the condensed balance sheets.

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***Fair Value Measurements***

Fair value is defined as the price that would be received for sale of an asset or paid for transfer of a liability, in an orderly transaction between market participants at the measurement date. GAAP establishes a three-tier fair value hierarchy, which prioritizes the inputs used in measuring fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements). These tiers consist of:

- Level 1, defined as observable inputs such as quoted prices (unadjusted) for identical instruments in active markets; and
- Level 2, defined as inputs other than quoted prices in active markets that are either directly or indirectly observable such as quoted prices for similar instruments in active markets or quoted prices for identical or similar instruments in markets that are not active; and
- Level 3, defined as unobservable inputs in which little or no market data exists, therefore requiring an entity to develop its own assumptions, such as valuations derived from valuation techniques in which one or more significant inputs or significant value drivers are unobservable.

In some circumstances, the inputs used to measure fair value might be categorized within different levels of the fair value hierarchy. In those instances, the fair value measurement is categorized in its entirety in the fair value hierarchy based on the lowest level input that is significant to the fair value measurement.

***Offering Costs Associated With Initial Public Offering***

Offering costs consisted of legal, accounting, underwriting fees and other costs incurred through the initial public offering that were directly related to the initial public offering. Offering costs were allocated to the separable financial instruments issued in the initial public offering based on a relative fair value basis, compared to total proceeds received. Offering costs associated with derivative warrant liabilities were expensed as incurred and presented as non-operating expenses in the unaudited condensed statements of operations. Offering costs associated with the Class A common stock issued were charged against the carrying value of the shares of Class A common stock upon the completion of the initial public offering. The Company classifies deferred underwriting commissions as non-current liabilities as their liquidation is not reasonably expected to require the use of current assets or require the creation of current liabilities.

***Class A Common Stock Shares Subject to Possible Redemption***

The Company accounts for its Class A common stock subject to possible redemption in accordance with the guidance in ASC Topic 480, "Distinguishing Liabilities from Equity." Class A common stock subject to mandatory redemption (if any) is classified as liability instruments and are measured at fair value. Conditionally redeemable Class A common stock (including Class A common stock that features redemption rights that are either within the control of the holder or subject to redemption upon the occurrence of uncertain events not solely within the Company's control) is classified as temporary equity. At all other times, Class A common stock is classified as stockholders' equity. The Company's Class A common stock feature certain redemption rights that are considered to be outside of the Company's control and subject to the occurrence of uncertain future events. Accordingly, as of the initial public offering, 15,000,000 shares of Class A common stock subject to possible redemption are presented at redemption value as temporary equity, outside of the stockholders' equity (deficit) section of the Company's condensed balance sheets.

Under ASC 480-10-S99, the Company has elected to recognize changes in the redemption value immediately as they occur and adjust the carrying value of the security to equal the redemption value at the end of the reporting period. This method would view the end of the reporting period as if it were also the redemption date of the security. Effective with the closing of the initial public offering, the Company recognized the accretion from initial book value to redemption amount, which resulted in charges against additional paid-in capital (to the extent available) and accumulated deficit.

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***Derivative Financial Instruments***

The Company does not use derivative instruments to hedge exposures to cash flow, market, or foreign currency risks. The Company evaluates all of its financial instruments, including issued stock purchase warrants, to determine if such instruments are derivatives or contain features that qualify as embedded derivatives, pursuant to ASC 480 and FASB ASC Topic 815, “Derivatives and Hedging” (“ASC 815”). The classification of derivative instruments, including whether such instruments should be recorded as liabilities or as equity, is re-assessed at the end of each reporting period.

The public warrants and the private placement warrants are recognized as derivative liabilities in accordance with ASC 815. Accordingly, the Company recognizes the warrant instruments as liabilities at fair value and adjusts the carrying value of the instruments to fair value at each reporting period until they are exercised. The initial fair value of the public warrants issued in connection with the initial public offering was estimated using a Monte-Carlo simulation model. The fair value of the public warrants as of March 31, 2022 and as of December 31, 2021 is based on observable listed prices for such warrants. The fair value of the private placement warrants as of March 31, 2022 and as of December 31, 2021 is determined using a Black-Scholes option pricing model. The determination of the fair value of the warrant liability may be subject to change as more current information becomes available and, accordingly, the actual results could differ significantly. Derivative warrant liabilities are classified as non-current liabilities as their liquidation is not reasonably expected to require the use of current assets or require the creation of current liabilities.

***Income Taxes***

The Company follows the asset and liability method of accounting for income taxes under FASB ASC Topic 740, “Income Taxes” (“ASC 740”). Deferred tax assets and liabilities are recognized for the estimated future tax consequences attributable to differences between the financial statement carrying amounts of existing assets and liabilities and their respective tax bases. Deferred tax assets and liabilities are measured using enacted tax rates expected to apply to taxable income in the years in which those temporary differences are expected to be recovered or settled. The effect on deferred tax assets and liabilities of a change in tax rates is recognized in income in the period that included the enactment date. Valuation allowances are established, when necessary, to reduce deferred tax assets to the amount expected to be realized.

ASC 740 prescribes a recognition threshold and a measurement attribute for the financial statement recognition and measurement of tax positions taken or expected to be taken in a tax return. For those benefits to be recognized, a tax position must be more likely than not to be sustained upon examination by taxing authorities. ASC 740 also provides guidance on derecognition, classification, interest and penalties, accounting in period, disclosure and transition. The Company recognizes accrued interest and penalties related to unrecognized tax benefits as income tax expense. The Company is currently not aware of any issues under review that could result in significant payments, accruals or material deviation from its position. The Company is subject to income tax examinations by major taxing authorities since inception.

***Net Income (Loss) Per Share Of Common Stock***

The Company complies with accounting and disclosure requirements of FASB ASC Topic 260, “Earnings Per Share.” The Company has two classes of shares, which are referred to as Class A common stock and Class B common stock. Income and losses are shared pro rata between the two classes of shares. Net income (loss) per common share is calculated by dividing the net income (loss) by the weighted average shares of common stock outstanding for the respective period.

The calculation of diluted net income (loss) does not consider the effect of the warrants underlying the units sold in the initial public offering and the private placement warrants to purchase an aggregate of 11,000,000 shares of Class A common stock in the calculation of diluted income (loss) per share, because their exercise is contingent upon future events and their inclusion would be anti-dilutive under the treasury stock method. As a result, diluted net income (loss) per share is the same as basic net income (loss) per share for the three months ended March 31, 2022 and for the period from January 28, 2021 (inception) through March 31, 2021. Accretion associated with the redeemable Class A common stock is excluded from earnings per share as the redemption value approximates fair value.

The following table reflects presents a reconciliation of the numerator and denominator used to compute basic and diluted net income (loss) per share for each class of common stock:

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	For the Three Months Ended March 31, 2022		For the Period from January 28, 2021 (inception) through March 31, 2021	
	Class A	Class B	Class A	Class B
Basic and diluted net loss per common share:				
<i>Numerator:</i>				
Allocation of net loss	\$ (2,834,178)	\$ (708,544)	\$ —	\$ (1,126)
<i>Denominator:</i>				
Basic and diluted weighted average common shares outstanding	15,000,000	3,750,000	—	3,750,000
Basic and diluted net loss per common share	\$ (0.19)	\$ (0.19)	\$ —	\$ (0.00)

**Recent Accounting Pronouncements**

The Company's management does not believe that any recently issued, but not yet effective, accounting standards updates, if currently adopted, would have a material effect on the Company's unaudited condensed financial statements.

**Note 3 - Initial Public Offering**

On August 6, 2021, the Company consummated its initial public offering of 15,000,000 units, at an offering price of \$10.00 per unit, generating gross proceeds of \$150.0 million, and incurring offering costs of approximately \$13.8 million, inclusive of \$1.5 million of underwriting discount, approximately \$5.3 million in deferred underwriting commissions, approximately \$6.5 million in fair value of Class B common stock issued to Anchor Investors, and approximately \$0.5 million in other offering costs. Each whole warrant entitles the holder to purchase one share of Class A common stock at a price of \$11.50 per share, subject to adjustment (see Note 8). Certain qualified institutional buyers or institutional accredited investors (the "Anchor Investors") purchased 15,480,000 units in the initial public offering. None of the Anchor Investors are affiliated with any member of the Company's management.

The underwriters had a 45-day option from the date of the underwriting agreement (August 3, 2021) to purchase up to an additional 2,250,000 units to cover over-allotments. On September 17, 2021, the over-allotment option expired unexercised, resulting in 562,500 shares of Class B common stock that were subject to forfeiture to be forfeited.

**Note 4 - Related Party Transactions****Founder Shares**

On January 29, 2021, the Sponsor paid \$25,000, or approximately \$0.005 per share, to cover certain offering costs in consideration for 5,031,250 shares of Class B common stock, par value \$0.0001. In March 2021, the Sponsor transferred all of the founder shares it held to members of the Company's board of directors, management team, and persons or entities affiliated with AMCI Group (the "initial shareholders"). Such shares were fully paid. On May 14, 2021, the Sponsor surrendered 718,750 founder shares to the Company for no consideration, resulting in the Sponsor owning 4,312,500 founder shares. Up to 562,500 of the founder shares will be forfeited depending on the extent to which the underwriters' over-allotment is exercised. On September 17, 2021, the over-allotment option expired unexercised, resulting in 562,500 of the founder shares being forfeited.

In exchange for the Anchor Investors' participation in the initial public offering as described in Note 3, the Sponsor sold a total of 780,000 founder shares to the Anchor Investors. The Company determined that the fair value of these founder shares was approximately \$6.5 million (or approximately \$8.35 per share) using a Monte Carlo simulation. The Company recognized the excess fair value of these founder shares, over the price sold to the Anchor Investors, as an expense of the initial public offering resulting in a charge against the carrying value of Class A common stock subject to possible redemption.

The initial stockholders have agreed not to transfer, assign or sell any of their founder shares and any Class A common stocks issuable upon conversion thereof until the earlier to occur of: (A) one year after the completion of the initial business combination and (B) the date on which the Company completes a liquidation, merger, capital stock exchange or other similar transaction after the Company's

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initial business combination that results in all of the Company's stockholders having the right to exchange their Class A common stock for cash, securities or other property; except to certain permitted transferees and under certain circumstances (the "Lock-up"). Any permitted transferees will be subject to the same restrictions and other agreements of the company's initial stockholders with respect to any founder shares. Notwithstanding the foregoing, the founder shares will be released from the Lock-up if the closing price of the Company's Class A common stock equals or exceeds \$12.00 per share (as adjusted for stock splits, stock capitalizations, reorganizations, recapitalizations and the like) for any 20 trading days within any 30-trading day period commencing at least 150 days after the company's initial business combination.

***Private Placement***

Simultaneously with the closing of the initial public offering, the Company's Sponsor has purchased an aggregate of 3,500,000 private placement warrants, each exercisable to purchase one Class A common stock at \$11.50 per share, at a price of \$1.00 per warrant, or \$3,500,000 in the aggregate.

The private placement warrants will not be redeemable by the Company so long as they are held by the initial purchasers or their permitted transferees. The initial purchasers, or their permitted transferees, have the option to exercise the private placement warrants on a cashless basis. If the private placement warrants are held by holders other than initial purchasers or their permitted transferees, the private placement warrants will be redeemable by the Company and exercisable by the holders on the same basis as the warrants included in the units being sold in the initial public offering. Otherwise, the private placement warrants have terms and provisions that are identical to those of the warrants being sold as part of the units in the initial public offering.

If the private placement warrants are held by holders other than the Sponsor or its permitted transferees, the private placement warrants will be redeemable by the Company in all redemption scenarios and exercisable by the holders on the same basis as the warrants included in the units being sold in the initial public offering.

***Related Party Loans and Advances***

On January 29, 2021, the Sponsor agreed to loan the Company up to \$300,000 to be used for a portion of the expenses of the initial public offering ("Note"). This loan was non-interest bearing, unsecured and payable upon the closing of the initial public offering. In addition to the Note, the Sponsor of the Company also paid certain administrative expenses and offering costs on behalf of the Company. These advances were due on demand and were non-interest bearing. The Company repaid the note payable and advances in exchange for the issuance of private placement warrants.

***Working Capital Loans***

In addition, in order to finance transaction costs in connection with an intended business combination, the Sponsor or an affiliate of the Sponsor, or certain of the Company's officers and directors may, but are not obligated to, loan the Company funds as may be required on a non-interest basis ("Working Capital Loans"). If the Company completes the initial business combination, it will repay the Working Capital Loans. In the event that the initial business combination does not close, the Company may use a portion of the working capital held outside the trust account to repay the Working Capital Loans but no proceeds from the trust account would be used to repay the Working Capital Loans. Up to \$1,500,000 of such Working Capital Loans may be convertible into warrants of the post-business combination entity at a price of \$1.00 per warrant at the option of the lender. Such warrants would be identical to the private placement warrants. Except as set forth above, the terms of Working Capital Loans, if any, have not been determined and no written agreements exist with respect to such loans. On March 28, 2022, the Company entered into a noninterest-bearing Working Capital Loan with its Sponsor for the principal amount of up to \$1.5 million. As of March 31, 2022 and December 31, 2021, the Company had no borrowings under the Working Capital Loans.

***Administrative Service Fee***

Subsequent to the closing of the initial public offering, the Company will pay its Sponsor \$10,000 per month for office space, secretarial and administrative services provided to members of the management team. Upon completion of the initial business combination or the Company's liquidation, the Company will cease paying these monthly fees. For the three months ended March 31,

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2022 and for the period from January 28, 2021 (inception) through March 31, 2021, the Company incurred \$30,000 and \$0, respectively, of such fees, included as general and administrative fees – related party on the accompanying unaudited condensed statements of operations. As of March 31, 2022 and December 31, 2021, approximately \$30,000 and \$50,000, respectively, of such fees were included as due to related party on the accompanying condensed balance sheets.

The Sponsor, officers and directors, or any of their respective affiliates will be reimbursed for any out-of-pocket expenses incurred in connection with activities on the Company’s behalf such as identifying potential target businesses and performing due diligence on suitable business combinations. The Company’s audit committee will review on a quarterly basis all payments that were made by the Company to the Sponsor, directors, officers or directors of the Company, or any of their affiliates. As of March 31, 2022 and December 31, 2021, there were \$140,000 and \$0, respectively, of such fees included as due to related party on the accompanying condensed balance sheets.

**Note 5 - Commitments and Contingencies**

***Registration Rights***

The holders of the (i) founder shares, which were issued in a private placement prior to the closing of the initial public offering, (ii) private placement warrants, which were issued in a private placement simultaneously with the closing of the initial public offering and the shares of Class A common stock underlying such private placement warrants and (iii) private placement warrants that may be issued upon conversion of Working Capital Loans will have registration rights to require the Company to register a sale of any of its securities held by them prior to the consummation of the initial business combination pursuant to a registration rights agreement to be signed prior to or on the effective date of the initial public offering. The holders of these securities are entitled to make up to three demands, excluding short form demands, that the Company registers such securities. In addition, the holders have certain “piggy-back” registration rights with respect to registration statements filed subsequent to the Company’s completion of its initial business combination. The Company will bear the expenses incurred in connection with the filing of any such registration statements. In addition, the Anchor Investors will, upon receipt of their founder shares, execute a registration rights agreement with respect to their founder shares.

***Underwriting Agreement***

The Company granted the underwriters a 45-day option from the date of the underwriting agreement to purchase up to an additional 2,250,000 units to cover over-allotments, if any. On September 17, 2021, the over-allotment option expired unexercised, resulting in the forfeiture of 562,500 shares of founder shares.

The underwriters were paid an underwriting discount of one percent (1%) of the gross proceeds of the initial public offering, or \$1,500,000. Additionally, the underwriters will be entitled to a deferred underwriting discount of 3.5% of the gross proceeds, or \$5,250,000, of the initial public offering upon the completion of the Company’s initial business combination.

**Note 6 - Class A Common Stock Subject to Possible Redemption**

The Company’s Class A common stock feature certain redemption rights that are considered to be outside of the Company’s control and subject to the occurrence of future events. The Company is authorized to issue 280,000,000 shares of Class A common stock with a par value of \$0.0001 per share. Holders of the Company’s Class A common stock are entitled to one vote for each share. As of March 31, 2022 and December 31, 2021, there were 15,000,000 shares of Class A common stock outstanding subject to possible redemption and are classified outside of permanent equity in the condensed balance sheets.

The Class A common stock subject to possible redemption reflected on the condensed balance sheets is reconciled in the following table:

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Gross proceeds from Initial Public Offering	\$ 150,000,000
Less:	
Fair value of Public Warrants at issuance	(5,100,000)
Offering costs allocated to Class A common stock subject to possible redemption	(13,306,092)
Plus:	
Accretion on Class A common stock subject to possible redemption amount	18,406,092
Class A common stock subject to possible redemption	<u>\$ 150,000,000</u>

**Note 7 – Stockholders’ Equity (Deficit)**

**Preferred Stock** — The Company is authorized to issue 1,000,000 shares of preferred stock with a par value of \$0.0001 and provides that shares of preferred stock may be issued from time to time in one or more series. The Company’s board of directors will be authorized to fix the voting rights, if any, designations, powers, preferences, the relative, participating, optional or other special rights and any qualifications, limitations and restrictions thereof, applicable to the shares of each series. As of March 31, 2022 and December 31, 2021, there were no shares of preferred stock issued or outstanding.

**Class A Common Stock** — The Company is authorized to issue 280,000,000 shares of Class A common stock with a par value of \$0.0001 per share. As of March 31, 2022 and December 31, 2021, there were 15,000,000 shares of Class A common stock issued and outstanding, all of which were subject to possible redemption and are classified as temporary equity (see Note 6).

**Class B Common Stock** — The Company is authorized to issue 20,000,000 Class B common stock with a par value of \$0.0001 per share. As of March 31, 2022 and December 31, 2021, there were 3,750,000 shares of Class B common stock issued and outstanding (see Note 4).

Holders of Class A common stock and holders of Class B common stock will vote together as a single class on all matters submitted to a vote of the Company’s stockholders except as required by law. Unless specified in the Company’s amended and restated certificate of incorporation, or as required by applicable provisions of the Delaware General Corporation Law (“DGCL”) or applicable stock exchange rules, the affirmative vote of a majority of the Company’s shares of common stock that are voted is required to approve any such matter voted on by its stockholders.

The Class B common stock will automatically convert into shares of Class A common stock concurrently with or immediately following the consummation of the initial business combination on a one-for-one basis, subject to adjustment for stock splits, stock dividends, reorganizations, recapitalizations and the like, and subject to further adjustment as provided herein. In the case that additional shares of Class A common stock or equity-linked securities are issued or deemed issued in connection with the initial business combination, the number of shares of Class A common stock issuable upon conversion of all founder shares will equal, in the aggregate, on an as-converted basis, 20% of the total number of shares of Class A common stock outstanding after such conversion (after giving effect to any redemptions of shares of Class A common stock by public stockholders), including the total number of shares of Class A common stock issued, or deemed issued or issuable upon conversion or exercise of any equity-linked securities or rights issued or deemed issued, by the Company in connection with or in relation to the consummation of the initial business combination, excluding any shares of Class A common stock or equity-linked securities or rights exercisable for or convertible into shares of Class A common stock issued, or to be issued, to any seller in the initial business combination and any private placement warrants issued to the Sponsor, officers or directors upon conversion of working capital loans, provided that such conversion of founder shares will never occur on a less than one-for-one basis.

**Note 8 – Warrants**

As of March 31, 2022 and December 31, 2021, in connection with the Initial Public Offering, the Company has 7,500,000 Public Warrants and 3,500,000 Private Placement Warrants outstanding.

Each whole warrant entitles the registered holder to purchase one share of Class A common stock at a price of \$11.50 per share, subject to adjustment as discussed below, at any time commencing 30 days after the completion of the initial business combination, provided

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that the Company has an effective registration statement under the Securities Act covering the shares of Class A common stock issuable upon exercise of the warrants and a current prospectus relating to them is available (or the Company permits holders to exercise their warrants on a cashless basis under the circumstances specified in the warrant agreement) and such shares are registered, qualified or exempt from registration under the securities, or blue sky, laws of the state of residence of the holder. The warrants will expire five years after the completion of the Company's initial business combination, at 5:00 p.m., New York City time, or earlier upon redemption or liquidation.

The Company has agreed that as soon as practicable, but in no event later than fifteen (15) business days after the closing of the initial business combination, it will use its best efforts to file with the SEC a registration statement for the registration, under the Securities Act, of the Class A common stock issuable upon exercise of the warrants. The Company will use its best efforts to cause the same to become effective and to maintain the effectiveness of such registration statement, and a current prospectus relating thereto, until the expiration of the warrants in accordance with the provisions of the warrant agreement. If a registration statement covering the shares of Class A common stock issuable upon exercise of the warrants is not effective by the sixtieth (60th) business day after the closing of the initial business combination, warrant holders may, until such time as there is an effective registration statement and during any period when the Company will have failed to maintain an effective registration statement, exercise warrants on a "cashless basis" in accordance with Section 3(a)(9) of the Securities Act or another exemption. Notwithstanding the above, if the Company's Class A common stock are at the time of any exercise of a warrant not listed on a national securities exchange such that they satisfy the definition of a "covered security" under Section 18(b)(1) of the Securities Act, the Company may, at its option, require holders of public warrants who exercise their warrants to do so on a "cashless basis" in accordance with Section 3(a)(9) of the Securities Act and, in the event the Company so elect, it will not be required to file or maintain in effect a registration statement, and in the event the Company do not so elect, it will use its best efforts to register or qualify the shares under applicable blue sky laws to the extent an exemption is not available.

Redemption of warrants when the price per share of Class A common stock equals or exceeds \$18.00.

Once the warrants become exercisable, the Company may redeem the outstanding warrants:

- in whole and not in part;
- at a price of \$0.01 per warrant;
- upon a minimum of 30 days' prior written notice of redemption to each warrant holder; and
- if, and only if, the closing price of the Class A common stock equals or exceeds \$18.00 per share (as adjusted for adjustments to the number of shares issuable upon exercise or the exercise price of a warrant as described under the heading "— Warrants — Public Stockholders' Warrants — Anti-Dilution Adjustments") for any 20 trading days within a 30-trading day period ending three trading days before we send the notice of redemption to the warrant holders.

Redemption of warrants when the price per share of Class A common stock equals or exceeds \$10.00.

Once the warrants become exercisable, the Company may redeem the outstanding warrants:

- in whole and not in part;
- at \$0.10 per warrant upon a minimum of 30 days' prior written notice of redemption provided that holders will be able to exercise their warrants on a cashless basis prior to redemption and receive that number of shares determined by reference to the table below, based on the redemption date and the "fair market value" (as defined below) of our Class A common stock except as otherwise described below; and
- if, and only if, the closing price of our Class A common stock equals or exceeds \$10.00 per public share (as adjusted for adjustments to the number of shares issuable upon exercise or the exercise price of a warrant as described under the heading "— Warrants — Public Stockholders' Warrants — Anti-Dilution Adjustments") for any 20 trading days within the 30-trading day period ending three trading days before we send the notice of redemption to the warrant holders.

**AMCI ACQUISITION CORP. II**  
**NOTES TO UNAUDITED CONDENSED FINANCIAL STATEMENTS**

In addition, if (x) the Company issue additional shares of Class A common stock or equity-linked securities for capital raising purposes in connection with the closing of our initial business combination at an issue price or effective issue price of less than \$9.20 per share (with such issue price or effective issue price to be determined in good faith by the Company’s board of directors and, in the case of any such issuance to the Sponsor or its affiliates, without taking into account any founder shares held by the Sponsor or such affiliates, as applicable, prior to such issuance) (the “Newly Issued Price”), (y) the aggregate gross proceeds from such issuances represent more than 60% of the total equity proceeds, and interest thereon, available for the funding of our initial business combination on the date of the consummation of the initial business combination (net of redemptions), and (z) the volume weighted average trading price of the Company’s Class A common stock during the 20 trading day period starting on the trading day prior to the day on which the Company consummate the initial business combination (such price, the “Market Value”) is below \$9.20 per share, the exercise price of the warrants will be adjusted (to the nearest cent) to be equal to 115% of the higher of the Market Value and the Newly Issued Price, the \$18.00 per share redemption trigger price described above under “— Redemption of warrants when the price per share of Class A common stock equals or exceeds \$18.00” will be adjusted (to the nearest cent) to be equal to 180% of the higher of the Market Value and the Newly Issued Price, and the \$10.00 per share redemption trigger price described above under “— Redemption of warrants when the price per share of Class A common stock equals or exceeds \$10.00” will be adjusted (to the nearest cent) to be equal to the higher of the Market Value and the Newly Issued Price.

**Note 9 - Fair Value Measurements**

The following table presents information about the Company’s financial assets and liabilities that are measured at fair value on a recurring basis by level within the fair value hierarchy:

**March 31, 2022**

Description	Quoted Prices in Active Markets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Other Unobservable Inputs (Level 3)
<b>Assets:</b>			
Investments held in Trust Account	\$ 150,009,565	\$ —	\$ —
<b>Liabilities:</b>			
Derivative liabilities - Public Warrants	\$ 4,350,000	\$ —	\$ —
Derivative liabilities - Private Placement Warrants	\$ —	\$ —	\$ 2,030,000

**December 31, 2021**

Description	Quoted Prices in Active Markets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Other Unobservable Inputs (Level 3)
<b>Assets:</b>			
Investments held in Trust Account	\$ 150,006,015	\$ —	\$ —
<b>Liabilities:</b>			
Derivative liabilities - Public Warrants	\$ 3,825,000	\$ —	\$ —
Derivative liabilities - Private Placement Warrants	\$ —	\$ —	\$ 1,785,000

Transfers to/from Levels 1, 2 and 3 are recognized at the beginning of the reporting period. The estimated fair value of public warrants was transferred from a Level 3 fair value measurement to a Level 1 measurement, when the public warrants were separately listed and traded in September 2021. There were no other transfers between levels in the three months ended March 31, 2022 and in the period from January 28, 2021 (inception) through December 31, 2021.

Level 1 assets include investments in mutual funds invested in U.S. government securities and derivative warrant liabilities (public warrants). The Company uses inputs such as actual trade data, quoted market prices from dealers or brokers, and other similar sources to determine the fair value of its investments.

**AMCI ACQUISITION CORP. II**  
**NOTES TO UNAUDITED CONDENSED FINANCIAL STATEMENTS**

For periods where no observable traded price is available, the fair value of the public warrants has been estimated using a Monte-Carlo simulation model and the private placement warrants has been estimated using a Black-Scholes option pricing model. For periods subsequent to the detachment of the public warrants from the units, the fair value of the public warrants is based on the observable listed price for such warrants. The estimated fair value of the public and private placement warrants, prior to the public warrants being traded in an active market, was determined using Level 3 inputs. Inherent in a Monte-Carlo simulation and Black-Scholes option pricing model are assumptions related to the unit price, expected volatility, risk-free interest rate, term to expiration, and dividend yield. The unit price is based on the publicly traded price of the units as of the measurement date. The Company estimated the volatility for the public and private placement warrants based on the implied volatility from the traded prices of warrants issued by other special purpose acquisition companies. The risk-free interest rate is based on interpolated U.S. Treasury rates, commensurate with a similar term to the public and private placement warrants. The expected life of the warrants is assumed to be equivalent to their remaining contractual term. Finally, the Company does not anticipate paying a dividend. Any changes in these assumptions can change the valuation significantly.

The following table provides quantitative information regarding Level 3 fair value measurements inputs at their measurement dates:

	<u>As of March 31, 2022</u>		<u>As of December 31, 2021</u>	
Exercise price	\$	11.50	\$	11.50
Volatility		8.2 %		9.6 %
Stock price	\$	9.76	\$	9.66
Remaining term (yrs)		5.34		5.75
Risk-free rate		2.39 %		1.32 %

The change in the fair value of the derivative warrant liabilities, measured using Level 3 inputs, for the three months ended March 31, 2022 is summarized as follows:

Derivative warrant liabilities at December 31, 2021	1,785,000
Change in fair value of derivative liabilities	245,000
Derivative warrant liabilities at March 31, 2022	<u>\$ 2,030,000</u>

**Note 10 - Subsequent Events**

The Company evaluated subsequent events and transactions that occurred up to the date the unaudited condensed financial statements were issued. Based upon this review, the Company did not identify any subsequent events that would have required adjustment or disclosure in the unaudited condensed financial statements.

## **Item 2. Management’s Discussion and Analysis of Financial Condition and Results of Operations.**

*References to the “Company,” “AMCI Acquisition Corp. II,” “AMCI,” “our,” “us” or “we” refer to AMCI Acquisition Corp. II. The following discussion and analysis of the Company’s financial condition and results of operations should be read in conjunction with the unaudited interim condensed financial statements and the notes thereto contained elsewhere in this report. Certain information contained in the discussion and analysis set forth below includes forward-looking statements that involve risks and uncertainties.*

### **Cautionary Note Regarding Forward-Looking Statements**

Some of the statements contained in this Quarterly Report on Form 10-Q may constitute “forward-looking statements” for purposes of the federal securities laws. Our forward-looking statements include, but are not limited to, statements regarding our or our management team’s expectations, hopes, beliefs, intentions or strategies regarding the future. In addition, any statements that refer to projections, forecasts or other characterizations of future events or circumstances, including any underlying assumptions, are forward-looking statements. The words “anticipate,” “believe,” “continue,” “could,” “estimate,” “expect,” “intend,” “may,” “might,” “plan,” “possible,” “potential,” “predict,” “project,” “should,” “would” and similar expressions may identify forward-looking statements, but the absence of these words does not mean that a statement is not forward-looking.

The forward-looking statements contained in this Quarterly Report on Form 10-Q are based on our current expectations and beliefs concerning future developments and their potential effects on us. There can be no assurance that future developments affecting us will be those that we have anticipated. These forward-looking statements involve a number of risks, uncertainties (some of which are beyond our control) or other assumptions that may cause actual results or performance to be materially different from those expressed or implied by these forward-looking statements. These risks and uncertainties include, but are not limited to, the following risks, uncertainties (some of which are beyond our control) or other factors:

- we have no operating history and no revenues, and you have no basis on which to evaluate our ability to achieve our business objective;
- our ability to select an appropriate target business or businesses;
- our ability to complete a merger, share exchange, asset acquisition, share purchase, reorganization or similar business combination with one or more businesses (the “Business Combination”);
- our expectations around the performance of a prospective target business or businesses;
- our success in retaining or recruiting, or changes required in, our officers, key employees or directors following our initial Business Combination;
- our officers and directors allocating their time to other businesses and potentially having conflicts of interest with our business or in approving our initial Business Combination;
- our potential ability to obtain additional financing to complete our initial Business Combination;
- our pool of prospective target businesses;
- our ability to consummate an initial Business Combination due to the uncertainty resulting from the recent COVID-19 pandemic;
- the ability of our officers and directors to generate a number of potential Business Combination opportunities;
- our public securities’ potential liquidity and trading;
- the use of proceeds not held in the trust account or available to us from interest income on the trust account balance;

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- the trust account not being subject to claims of third parties;
- our financial performance following our initial public offering (the “Initial Public Offering”); and
- the other risks and uncertainties discussed herein, in our filings with the SEC and in our final prospectus relating to our Initial Public Offering, filed with the SEC on August 4, 2021.

Should one or more of these risks or uncertainties materialize, or should any of our assumptions prove incorrect, actual results may vary in material respects from those projected in these forward-looking statements. We undertake no obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise, except as may be required under applicable securities laws.

### **Overview**

We are a blank check company incorporated as a Delaware corporation on January 28, 2021. We were formed for the purpose of effecting a merger, capital stock exchange, asset acquisition, stock purchase, reorganization or similar business combination with one or more businesses (the “business combination”).

Our sponsor is AMCI Sponsor II LLC, a Delaware limited liability company (the “Sponsor”).

The registration statement for our initial public offering was declared effective on August 3, 2021 (the “effective date”). On August 6, 2021, we consummated our initial public offering of 15,000,000 units (the “units”). Each unit consists of one Class A common stock, par value \$0.0001 per share (the “Class A common stock”), and one-half of one redeemable warrant (the “warrant”), each whole warrant entitling the holder thereof to purchase one Class A common stock for \$11.50 per share. The units were sold at a price of \$10.00 per unit, generating gross proceeds for us of \$150,000,000.

The underwriters had a 45-day option from the date of the underwriting agreement (August 3, 2021) to purchase up to an additional 2,250,000 units to cover over-allotments, if any. On September 17, 2021, the over-allotment option expired unexercised, resulting in the forfeiture of 562,500 shares of Class B common stock.

Simultaneously with the closing of the initial public offering, we completed the private sale of an aggregate of 3,500,000 warrants (the “private placement warrants”) to the Sponsor at a purchase price of \$1.00 per private placement warrant, generating gross proceeds for us of \$3,500,000. The private placement warrants are identical to the warrants sold in the initial public offering, except that the private placement warrants, so long as they are held by the Sponsor or its permitted transferees, (i) are not redeemable by us, (ii) may not (including the Class A common stock issuable upon exercise of such private placement warrants), subject to certain limited exceptions, be transferred, assigned or sold by such holders until 30 days after the completion of our initial business combination, (iii) may be exercised by the holders on a cashless basis and (iv) will be entitled to registration rights. No underwriting discounts or commissions were paid with respect to such sales.

### **Recent Developments**

On March 8, 2022, we entered into an agreement and plan of merger (the “Merger Agreement”) with AMCI Merger Sub, Inc., a Delaware corporation and our wholly owned subsidiary (“Merger Sub”), and LanzaTech NZ, Inc., a Delaware corporation (“LanzaTech”). The transactions contemplated by the Merger Agreement are referred to herein as the “Proposed Business Combination.” The time of the closing of the Proposed Business Combination is referred to herein as the “Closing.” The date of the Closing of the Proposed Business Combination is referred to herein as the “Closing Date.”

### **Proposed Business Combination**

If the Proposed Business Combination is approved by our stockholders and LanzaTech’s stockholders, and the closing conditions in the Merger Agreement are satisfied or waived, then, among other things, upon the terms and subject to the conditions of the Merger Agreement and in accordance with Delaware General Corporation Law, Merger Sub will merge with and into LanzaTech, with LanzaTech surviving the merger as our wholly owned subsidiary (the “Merger”). In connection with the consummation of the Merger,

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we will be renamed “LanzaTech Global, Inc.” and is referred to herein as “New LanzaTech” as of the time following such change of name.

Under the Merger Agreement, we have agreed to acquire all of the outstanding equity interests of LanzaTech for consideration consisting of equity interests of New LanzaTech valued at \$1,817,000,000 in the aggregate. The consideration to be paid to holders of shares of LanzaTech capital stock will be shares of common stock of New LanzaTech (“New LanzaTech Common Stock”), valued at \$10.00 per share, to be paid at the closing of the Merger. The number of shares of New LanzaTech Common Stock payable in the Merger in respect of each share of LanzaTech capital stock (each, a “LanzaTech Share”) will be determined based on the exchange ratio (the “Exchange Ratio”), and certain corresponding adjustments, in each case as set forth in the Merger Agreement.

Pursuant to the Merger Agreement, at Closing: (i) each warrant to purchase LanzaTech Shares (each, a “LanzaTech Warrant”) that is outstanding and unexercised immediately prior to Closing and would automatically be exercised or exchanged in full in accordance with its terms by virtue of the occurrence of the Merger, will be so automatically exercised or exchanged in full for the applicable LanzaTech Shares, and each such LanzaTech Share will be treated as being issued and outstanding immediately prior to Closing and will be canceled and converted into the right to receive the applicable shares of New LanzaTech Common Stock; and (ii) each LanzaTech Warrant that is outstanding and unexercised immediately prior to the Closing and is not automatically exercised in full as described in clause (i) will be converted into a warrant to purchase shares of New LanzaTech Common Stock, in which case (a) the number of shares underlying such New LanzaTech warrant (each, a “New LanzaTech Warrant”) will be determined by multiplying the number of LanzaTech Shares subject to such warrant immediately prior to Closing, by the Exchange Ratio and (b) the per share exercise price of such New LanzaTech Warrant will be determined by dividing the per share exercise price of such LanzaTech Warrant immediately prior to the Effective Time by the Exchange Ratio, except that in the case of certain warrants specified in the Merger Agreement, such exercise price will be \$10.00.

Pursuant to the Merger Agreement, at Closing, each option to purchase LanzaTech Shares (each, a “LanzaTech Option”) will be converted into an option to purchase a number of shares of New LanzaTech Common Stock (rounded down to the nearest whole share) equal to the product of (i) the number of LanzaTech Shares subject to such LanzaTech Option multiplied by (ii) the Exchange Ratio. The exercise price of such New LanzaTech option will be equal to the quotient of (a) the exercise price per share of such LanzaTech Option in effect immediately prior to the Effective Time divided by (b) the Exchange Ratio (and as so determined, this exercise price will be rounded up to the nearest full cent).

Pursuant to the Merger Agreement, at Closing, each award of restricted shares of LanzaTech common stock (each, a “LanzaTech RSA”) that is outstanding immediately prior to the Effective Time will be converted into an award of restricted shares of New LanzaTech Common Stock (each, a “New LanzaTech RSA”) on the same terms and conditions as were applicable to such LanzaTech RSA immediately prior to the Effective Time, except that such New LanzaTech RSA will relate to a number of shares of New LanzaTech Common Stock equal to the number of LanzaTech Shares subject to such LanzaTech RSA, multiplied by the Exchange Ratio.

The closing of the Merger is subject to certain customary conditions, including, among others, (i) adoption by AMCI’s stockholders and LanzaTech’s stockholders of the Merger Agreement and their approval of certain other actions related to the Proposed Business Combination, (ii) the expiration or termination of the waiting period (or any extension thereof) applicable to the transactions contemplated by the Merger Agreement and any ancillary agreements, in each case under the Hart-Scott-Rodino Antitrust Improvements Act of 1976, (iii) the effectiveness of a registration statement on Form S-4 (the “Registration Statement”) under the Securities Act of 1933, as amended (the “Securities Act”) with respect to the shares of New LanzaTech Common Stock to be paid as consideration in the Merger, (iv) there being no government order or law enjoining, prohibiting or making illegal the consummation of the Merger or the transactions contemplated by the Merger Agreement, (v) AMCI having at least \$5,000,001 of net tangible assets (as determined in accordance with Rule 3a51-1(g)(1) under the Exchange Act) after giving effect to any payments required to be made in connection with the redemption of AMCI’s public shares and the proceeds from the Subscription Agreements described below, (vi) AMCI having at least \$250,000,000 of cash at the closing of the Merger, consisting of cash held in AMCI’s trust account after taking into account any redemption of AMCI’s public shares, and the proceeds from the Subscription Agreements described below, net of transaction expenses of AMCI and LanzaTech, and (vii) the listing on Nasdaq of the shares of New LanzaTech Common Stock issued in connection with the Proposed Business Combination.

For additional information regarding the Merger Agreement, see the Company’s Registration Statement on Form S-4 filed by us on May 10, 2022.

This Form 10-Q does not assume the closing of the Proposed Business Combination.

### ***Subscription Agreements***

In connection with the execution of the Merger Agreement, we entered into subscription agreements (the “Subscription Agreements”) with certain accredited and institutional buyers (the “PIPE Investors”), including certain current stockholders and partners of LanzaTech and an affiliate of our Sponsor pursuant to which, among other things, we agreed to issue and sell, in a private placement to close immediately prior to the closing of the Merger, an aggregate of 12,500,000 shares of Class A common stock at a purchase price of \$10.00 per share (the “PIPE Investment”). The PIPE Investment includes 3,000,000 shares of Class A common stock to be issued to a certain PIPE Investor that has a SAFE Note with LanzaTech, pursuant to a Subscription Agreement to be entered into prior to Closing.

### ***LanzaTech Support Agreement***

In connection with the execution of the Merger Agreement, we entered into a support agreement with certain LanzaTech stockholders (the “LanzaTech Support Agreement”), pursuant to which each such LanzaTech stockholder irrevocably and unconditionally agreed, among other things, to (i) validly execute and deliver to LanzaTech, in respect of all such stockholders’ LanzaTech Shares, written consents to the adoption of the Merger Agreement and approval of other matters required to obtain the requisite stockholder approval for the Merger and other related matters from the LanzaTech stockholders (the “LanzaTech Requisite Approval”), in each case, within 10 business days after the Registration Statement has been declared effective by the SEC; (ii) vote (whether pursuant to a meeting of LanzaTech’s stockholders or by written consent) in favor of the adoption of the Merger Agreement and approval of other matters required to obtain the LanzaTech Requisite Approval; and (iii) vote (whether pursuant to a meeting of LanzaTech’s stockholders or by written consent) against (a) any competing proposal for the acquisition of LanzaTech and (b) any other action that would reasonably be expected to (x) materially impede, interfere with, delay, postpone or adversely affect the Merger or any of the other transactions contemplated by the Merger Agreement, (y) to the knowledge of such LanzaTech stockholder, result in a material breach of any covenant, representation or warranty or other obligation or agreement of LanzaTech under the Merger Agreement or (z) result in a material breach of any covenant, representation or warranty or other obligation or agreement of the relevant stockholder contained in the LanzaTech Support Agreement.

The LanzaTech stockholders that entered into the LanzaTech Support Agreement include those stockholders who (i) are directors or officers of LanzaTech and currently hold LanzaTech Shares or (ii) hold 5% or more of the LanzaTech Shares. The LanzaTech Shares that are owned by the stockholders party to the LanzaTech Support Agreement represent approximately 69.56% of the outstanding voting LanzaTech Shares.

### ***Sponsor Support Agreement***

In connection with the execution of the Merger Agreement, the Sponsor and the holders of all of the Founder Shares, including all of our directors and officers (all of the foregoing, the “AMCI Insiders”), entered into a support agreement (the “Sponsor Support Agreement”) with the Company and LanzaTech pursuant to which each AMCI Insider agreed, among other things, to: (i) vote all the shares of capital stock held by such AMCI Insider (a) in favor of each of the proposals to be submitted to the special meeting of our stockholders in connection with the Merger and (b) against a business combination not relating to the Merger and any other action that would reasonably be expected to (x) materially impede, interfere with, delay, postpone or adversely affect the Merger or any of the other transactions contemplated by the Merger Agreement, (y) to the knowledge of such AMCI Insider, result in a material breach of any covenant, representation or warranty or other obligation or agreement of AMCI under the Merger Agreement or (z) result in a material breach of any covenant, representation or warranty or other obligation or agreement contained in the Sponsor Support Agreement; (ii) irrevocably waive any anti-dilution right or other protection with respect to the shares of Founder Shares that would result in the Founder Shares converting into Class A common stock at a ratio greater than one-for-one; and (iii) not to elect to redeem their respective shares of our common stock in connection with the Merger.

In addition, under the Sponsor Support Agreement, the AMCI Insiders agreed to forfeit, on a pro rata basis, a number of shares of Founder Shares equal to 1,250,000 shares of Founder Shares (which is one-third of the total number of shares of founder Shares outstanding) multiplied by a percentage equal to the percentage by which the level of redemptions of holders of Class A common stock, if any, exceeds 50% of the total issued and outstanding shares Class A common stock multiplied by two.

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The foregoing description of the Proposed Business Combination, the Subscription and Agreements, the LanzaTech Support Agreement and the Sponsor Support Agreement does not purport to be complete. For further information on the Subscription Agreements, the LanzaTech Support Agreement and the Sponsor Support Agreement refer to the full agreements filed with the SEC on May 10, 2022 on a Registration Statement on Form S-4 on May 10, 2022.

### **Results of Operations**

Our entire activity since inception up to March 31, 2022 was in preparation for our formation and the IPO. We will not be generating any operating revenues until the closing and completion of our initial Business Combination.

For the three months ended March 31, 2022, we had a net loss of approximately \$3.5 million, which consisted of approximately a \$770,000 loss from changes in fair value of derivative warrant liabilities, approximately \$2.7 million in general and administrative expenses, \$30,000 in general and administrative expenses – related party, approximately \$54,000 in capital based tax expense and approximately \$49,000 in franchise tax expense, partially offset by approximately \$13,000 of income from investments held in the Trust Account.

For the period from January 28, 2021 (inception) through March 31, 2021, we had a net loss of approximately \$1,000, which consisted of approximately \$1,000 in formation costs.

### **Liquidity and Going Concern**

As of March 31, 2022, the Company had approximately \$8,000 in operating cash and a working capital deficit of approximately \$2.8 million.

Our liquidity needs up to March 31, 2022 have been satisfied through a contribution of \$25,000 from the Sponsor to cover certain offering costs in exchange for the issuance of founder shares, and a loan and advances from the Sponsor pursuant to the Note. Subsequent to the initial public offering, net proceeds from the private placement of \$0.9 million were placed in the operating account for working capital purposes. In addition, in order to finance transaction costs in connection with a business combination, the Sponsor or an affiliate of the Sponsor, or certain of our officers and directors may, but are not obligated to, provide us with Working Capital Loans. On March 28, 2022, the Company entered into a noninterest-bearing Working Capital Loan with its Sponsor for the principal amount of up to \$1.5 million. As of March 31, 2022 and December 31, 2021, there were no amounts outstanding under any Working Capital Loan.

In connection with our assessment of going concern considerations in accordance with Financial Accounting Standard Board's Accounting Standards Update ("ASU") 2014-15, "*Disclosures of Uncertainties about an Entity's Ability to Continue as a Going Concern*," our management has determined that we would not be able to meet our obligations as they become due within one year after the date that the unaudited condensed financial statements are available to be issued. As such, our management has determined that the liquidity condition raises substantial doubt about our ability to continue as a going concern. As of December 31, 2021, no adjustments have been made to the carrying amounts of assets or liabilities.

Management continues to evaluate the impact of the COVID-19 pandemic on the industry and has concluded that while it is reasonably possible that the virus could have a negative effect on our financial position, results of our operations and/or search for a target company, the specific impact is not readily determinable as of the date of the unaudited condensed financial statements. The unaudited condensed financial statements do not include any adjustments that might result from the outcome of this uncertainty.

### **Contractual Obligations**

#### *Registration Rights*

The holders of the (i) founder shares, which were issued in a private placement prior to the closing of the initial public offering, (ii) private placement warrants, which were issued in a private placement simultaneously with the closing of the initial public offering and the shares of Class A common stock underlying such private placement warrants and (iii) private placement warrants that may be issued upon conversion of Working Capital Loans, will have registration rights to require us to register a sale of any of its securities held by them prior to the consummation of the initial business combination pursuant to a registration rights agreement which was signed on the

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effective date of the initial public offering. The holders of these securities are entitled to make up to three demands, excluding short form demands, that we register such securities. In addition, the holders have certain “piggy-back” registration rights with respect to registration statements filed subsequent to our completion of our initial business combination. We will bear the expenses incurred in connection with the filing of any such registration statements.

### *Underwriting Agreement*

We granted the underwriters a 45-day option from the date of the underwriting agreement to purchase up to an additional 2,250,000 units to cover over-allotments, if any. On September 17, 2021, the over-allotment option expired unexercised, resulting in the forfeiture of 562,500 shares of Class B common stock.

The underwriters were paid an underwriting discount of one percent (1%) of the gross proceeds of the initial public offering, or \$1,500,000. Additionally, the underwriters will be entitled to a deferred underwriting discount of 3.5% of the gross proceeds, or \$5,250,000, of the initial public offering upon the completion of our initial business combination.

### *Administrative Service Fee*

Subsequent to the closing of the initial public offering, we have agreed to pay our Sponsor \$10,000 per month for office space and secretarial and administrative services provided to members of the management team. Upon completion of the initial business combination or our liquidation, we will cease paying these monthly fees. For the three months ended March 31, 2022 and for the period from January 28 (inception) through December 31, 2021, we incurred \$30,000 and \$50,000 of such fees, respectively, which are included as general and administrative fees – related party on the accompanying unaudited condensed statements of operations.

### **Critical Accounting Policies**

This management’s discussion and analysis of our financial condition and results of operations is based on our unaudited condensed financial statements, which have been prepared in accordance with U.S. GAAP. The preparation of these unaudited condensed financial statements requires us to make estimates and judgments that affect the reported amounts of assets, liabilities, revenues and expenses and the disclosure of contingent assets and liabilities in our unaudited condensed financial statements. On an ongoing basis, we evaluate our estimates and judgments, including those related to fair value of financial instruments and accrued expenses. We base our estimates on historical experience, known trends and events and various other factors that we believe to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. Actual results may differ from these estimates under different assumptions or conditions. We have identified the following as our critical accounting policies:

#### *Class A Common Stock Shares Subject to Possible Redemption*

We account for our Class A common stock subject to possible redemption in accordance with the guidance in ASC Topic 480, “Distinguishing Liabilities from Equity.” Class A common stock subject to mandatory redemption (if any) are classified as liability instruments and is measured at fair value. Conditionally redeemable Class A common stock (including Class A common stock that features redemption rights that are either within the control of the holder or subject to redemption upon the occurrence of uncertain events not solely within our control) are classified as temporary equity. At all other times, Class A common stock are classified as stockholders’ equity. Our Class A common stock feature certain redemption rights that are considered to be outside of our control and subject to the occurrence of uncertain future events. Accordingly, as of the initial public offering, 15,000,000 shares of Class A common stock subject to possible redemption are presented at redemption value as temporary equity, outside of the stockholders’ equity section of our condensed balance sheets.

Under ASC 480-10-S99, we have elected to recognize changes in the redemption value immediately as they occur and adjust the carrying value of the security to equal the redemption value at the end of the reporting period. This method would view the end of the reporting period as if it were also the redemption date of the security. Effective with the closing of the initial public offering, we recognized the accretion from initial book value to redemption amount, which resulted in charges against additional paid-in capital (to the extent available) and accumulated deficit.

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### *Derivative Financial Instruments*

We do not use derivative instruments to hedge exposures to cash flow, market, or foreign currency risks. We evaluate all of its financial instruments, including issued stock purchase warrants, to determine if such instruments are derivatives or contain features that qualify as embedded derivatives, pursuant to ASC 480 and FASB ASC Topic 815, “Derivatives and Hedging” (“ASC 815”). The classification of derivative instruments, including whether such instruments should be recorded as liabilities or as equity, is re-assessed at the end of each reporting period.

The public warrants and the private placement warrants are recognized as derivative liabilities in accordance with ASC 815. Accordingly, we recognize the warrant instruments as liabilities at fair value and adjusts the carrying value of the instruments to fair value at each reporting period until they are exercised. The initial fair value of the public warrants issued in connection with the initial public offering was estimated using a Monte-Carlo simulation model. The fair value of the public warrants as of December 31, 2021 is based on observable listed prices for such warrants. The fair value of the private placement warrants as of December 31, 2021 is determined using a Black-Scholes option pricing model. The determination of the fair value of the warrant liability may be subject to change as more current information becomes available and, accordingly, the actual results could differ significantly. Derivative warrant liabilities are classified as non-current liabilities as their liquidation is not reasonably expected to require the use of current assets or require the creation of current liabilities.

### *Net Income (Loss) Per Share Of Common Stock*

We comply with accounting and disclosure requirements of FASB ASC Topic 260, “Earnings Per Share.” We have two classes of shares, which are referred to as Class A common stock and Class B common stock. Income and losses are shared pro rata between the two classes of shares. Net income (loss) per common share is calculated by dividing the net income (loss) by the weighted average shares of common stock outstanding for the respective period.

The calculation of diluted net income (loss) does not consider the effect of the warrants underlying the units sold in the initial public offering and the private placement warrants to purchase an aggregate of 11,000,000 warrants in the calculation of diluted income (loss) per share, because their exercise is contingent upon future events and their inclusion would be anti-dilutive under the treasury stock method. As a result, diluted net income (loss) per share are the same as basic net income (loss) per share for the three months ended March 31, 2022 and for the period from January 28, 2021 (inception) through December 31, 2021. Accretion associated with the redeemable Class A common stock is excluded from earnings per share as the redemption value approximates fair value.

### *Recent Accounting Pronouncements*

Management does not believe that any recently issued, but not yet effective, accounting standards updates, if currently adopted, would have a material effect on our unaudited condensed financial statements.

### **Off-Balance Sheet Arrangements**

As of March 31, 2022, we did not have any off-balance sheet arrangements as defined in Item 303(b)(1)(ii)(B) of Regulation S-K.

## **JOBS Act**

The Jumpstart Our Business Startups Act of 2012 (the “JOBS Act”) contains provisions that, among other things, relax certain reporting requirements for qualifying public companies. We qualify as an “emerging growth company” and under the JOBS Act are allowed to comply with new or revised accounting pronouncements based on the effective date for private (not publicly traded) companies. We are electing to delay the adoption of new or revised accounting standards, and as a result, we may not comply with new or revised accounting standards on the relevant dates on which adoption of such standards is required for non-emerging growth companies. As a result, the unaudited condensed financial statements may not be comparable to companies that comply with new or revised accounting pronouncements as of public company effective dates.

Additionally, we are in the process of evaluating the benefits of relying on the other reduced reporting requirements provided by the JOBS Act. Subject to certain conditions set forth in the JOBS Act, if, as an “emerging growth company,” we choose to rely on such exemptions we may not be required to, among other things, (i) provide an auditor’s attestation report on our system of internal control over financial reporting pursuant to Section 404 of the Sarbanes-Oxley Act of 2002, (ii) provide all of the compensation disclosure that may be required of non-emerging growth public companies under the Dodd-Frank Wall Street Reform and Consumer Protection Act, (iii) comply with any requirement that may be adopted by the PCAOB regarding mandatory audit firm rotation or a supplement to the auditor’s report providing additional information about the audit and the unaudited condensed financial statements (auditor discussion and analysis) and (iv) disclose certain executive compensation related items such as the correlation between executive compensation and performance and comparisons of the executive compensation to median employee compensation. These exemptions will apply for a period of five years following the completion of our initial public offering or until we are no longer an “emerging growth company,” whichever is earlier.

### **Item 3. Quantitative and Qualitative Disclosures About Market Risk**

We are a smaller reporting company as defined by Rule 12b-2 of the Exchange Act and are not required to provide the information otherwise required under this item.

### **Item 4. Controls and Procedures**

#### *Evaluation of Disclosure Controls and Procedures*

Disclosure controls and procedures are controls and other procedures that are designed to ensure that information required to be disclosed in our reports filed or submitted under the Exchange Act is recorded, processed, summarized, and reported within the time periods specified in the SEC’s rules and forms. Disclosure controls and procedures include, without limitation, controls and procedures designed to ensure that information required to be disclosed in the Company reports filed or submitted under the Exchange Act is accumulated and communicated to management, including our principal executive officer and principal financial officer, to allow timely decisions regarding required disclosure.

As required by Rules 13a-15 and 15d-15 under the Exchange Act, our principal executive officer and principal financial officer carried out an evaluation of the effectiveness of the design and operation of our disclosure controls and procedures as of March 31, 2022. Based upon their evaluation, our principal executive officer and principal financial officer concluded that our disclosure controls and procedures (as defined in Rules 13a-15 (e) and 15d-15 (e) under the Exchange Act) were not effective as of March 31, 2022, because of a material weakness in our internal control over financial reporting. A material weakness is a deficiency, or a combination of deficiencies, in internal control over financial reporting, such that there is a reasonable possibility that a material misstatement of our annual or interim unaudited condensed financial statements will not be prevented or detected on a timely basis. Specifically, our management has concluded that our control around the interpretation and accounting for certain complex financial instruments was not effectively designed or maintained. This material weakness resulted in the restatement of our balance sheet as of August 6, 2021.

As a result, our management performed additional analysis as deemed necessary to ensure that our unaudited condensed financial statements were prepared in accordance with generally accepted accounting principles in the United States of America. Accordingly, management believes that the unaudited condensed financial statements included in this Annual Report on Form 10-K present fairly in all material respects our financial position, results of operations and cash flows for the period presented. Management understands that the accounting standards applicable to our unaudited condensed financial statements are complex and has, since our inception, benefited

from the support of experienced third-party professionals with whom management has regularly consulted with respect to accounting issues. Management intends to continue to further consult with such professionals in connection with accounting matters.

*Changes in Internal Control over Financial Reporting*

During the most recently completed fiscal quarter, there has been no change in our internal control over financial reporting that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting except as described below.

Our principal executive officer and principal financial officer performed additional accounting and financial analyses and other post-closing procedures including consulting with subject matter experts related to the accounting for certain complex financial instruments issued by us. Our management has expended, and will continue to expend, a substantial amount of effort and resources for the remediation and improvement of our internal control over financial reporting. While we have processes to properly identify and evaluate the appropriate accounting technical pronouncements and other literature for all significant or unusual transactions, we have expanded and will continue to improve these processes to ensure that the nuances of such transactions are effectively evaluated in the context of the increasingly complex accounting standards.

## **PART II - OTHER INFORMATION**

### **Item 1. Legal Proceedings**

None.

### **Item 1A. Risk Factors**

Factors that could cause our actual results to differ materially from those in this Quarterly Report are any of the risks described in our Annual Report on Form 10-K filed with the SEC on March 25, 2022. Any of these factors could result in a significant or material adverse effect on our results of operations or financial condition. Additional risk factors not presently known to us or that we currently deem immaterial may also impair our business or results of operations. As of the date of this Quarterly Report, there have been no material changes to the risk factors disclosed in our Annual Report on Form 10-K filed with the SEC March 25, 2022.

### **Item 2. Unregistered Sales of Equity Securities and Use of Proceeds.**

On January 29, 2021, the Sponsor subscribed for an aggregate 5,031,250 shares of Class B common stock, par value \$0.0001 per share (the “Founder Shares”) for a total subscription price of \$25,000, or approximately \$0.005 per share. Such shares are fully paid, and the cash amount of the subscription price therefor was received on January 29, 2021. In March 2021, the Sponsor transferred all of the Founder Shares held by it to members of the Company’s board of directors, its management team and persons or entities affiliated with AMCI Group. On May 14, 2021, certain of the Company’s initial stockholders forfeited an aggregate of 718,750 Founder Shares, resulting in an aggregate of 4,312,500 Founder Shares outstanding. The initial stockholders agreed to forfeit up to 562,500 Founder Shares to the extent that the over-allotment option is not exercised in full by the underwriters, so that the Founder Shares will represent 20.0% of our issued and outstanding shares after the Initial Public Offering.

On August 3, 2021, we consummated the Initial Public Offering of 15,000,000 Units. The Units were sold at an offering price of \$10.00 per unit, generating total gross proceeds of \$150,000,000. Evercore Group L.L.C. acted as sole bookrunner and I-Bankers Securities, Inc. acted as co-manager, of the Initial Public Offering. The securities in the offering were registered under the Securities Act on a registration statement on Form S-1 (Registration No. 333-253107). The Securities and Exchange Commission declared the registration statement effective on August 3, 2021.

Simultaneous with the consummation of the Initial Public Offering, the Sponsor purchased 3,500,000 Private Placement Warrants at a price of \$1.00 per Private Placement Warrant, generating gross proceeds of \$3.5 million. No underwriting discounts or commissions were paid with respect to such sales. This issuance was made pursuant to the exemption from registration contained in Section 4(a)(2) of the Securities Act.

Of the gross proceeds received from the Initial Public Offering and the Private Placement Warrants, an aggregate of \$150,000,000 was placed in the Trust Account.

On September 17, 2021, the over-allotment option expired and therefore, the initial stockholders forfeited 562,500 Founder Shares, resulting in an aggregate of 3,750,000 Founder Shares outstanding.

We paid a total of \$1,500,000 in underwriting discounts and commissions and approximately \$523,000 for other costs and expenses related to the Initial Public Offering. In addition, the underwriters agreed to defer \$5,250,000 in underwriting discounts and commissions.

For a description of the use of the proceeds generated in the Initial Public Offering, see Part I, Item 2 of this Form 10-Q.

### **Item 3. Defaults upon Senior Securities**

None.

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**Item 4. Mine Safety Disclosures.**

Not applicable.

**Item 5. Other Information.**

None.

**Item 6. Exhibits.**

The following exhibits are filed or furnished as a part of, or incorporated by reference into, this Quarterly Report on Form 10-Q.

<b>Exhibit Number</b>	<b>Description</b>
10.1	<a href="#">Convertible Promissory Note, dated as of March 28, 2022, issued to the Sponsor (incorporated by reference to the Company's Current Report on Form 8-K (File No. 001-40282), filed with the SEC on March 28, 2022).</a>
31.1	<a href="#">Certification of Chief Executive Officer (Principal Executive Officer) Pursuant to Rules 13a-14(a) and 15d-14(a) under the Securities Exchange Act of 1934, as Adopted Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.*</a>
31.2	<a href="#">Certification of Chief Financial Officer (Principal Financial and Accounting Officer) Pursuant to Rules 13a-14(a) and 15d-14(a) under the Securities Exchange Act of 1934, as Adopted Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.*</a>
32.1	<a href="#">Certification of Chief Executive Officer (Principal Executive Officer) Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.*</a>
32.2	<a href="#">Certification of Chief Financial Officer (Principal Financial and Accounting Officer) Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.*</a>
101.INS	Inline XBRL Instance Document.*
101.SCH	Inline XBRL Taxonomy Extension Schema Document.*
101.CAL	Inline XBRL Taxonomy Extension Calculation Linkbase Document.*
101.DEF	Inline XBRL Taxonomy Extension Definition Linkbase Document.*
101.LAB	Inline XBRL Taxonomy Extension Label Linkbase Document.*
101.PRE	Inline XBRL Taxonomy Extension Presentation Linkbase Document.*
104	Cover Page Interactive Data File (Embedded within the Inline XBRL document and included in Exhibit)

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\* Filed herewith.

**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.

Dated: May 16, 2022

**AMCI ACQUISITION CORP. II**

By: /s/ Patrick Murphy

Name: Patrick Murphy

Title: Chief Financial Officer

**Certification of Principal Executive Officer Pursuant to Exchange Act Rule 13a-14(a)/15d-14(a)  
as Adopted Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002**

I, Nimesh Patel, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q for the quarter ended March 31, 2022 of AMCI Acquisition Corp. II;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) for the registrant and have:
  - a. Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - b. [Paragraph intentionally omitted in accordance with SEC Release Nos. 34-47986 and 34-54942];
  - c. Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - d. Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's fourth fiscal quarter that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - a. All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - b. Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 16, 2022

/s/ Nimesh Patel

Nimesh Patel

Chief Executive Officer

(Principal Executive Officer)

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**Certification of Principal Financial Officer Pursuant to Exchange Act Rule 13a-14(a)/15d-14(a)  
as Adopted Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002**

I, Patrick Murphy, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q for the quarter ended March 31, 2022 of AMCI Acquisition Corp. II;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) for the registrant and have:
  - a. Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - b. [Paragraph intentionally omitted in accordance with SEC Release Nos. 34-47986 and 34-54942];
  - c. Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - d. Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's fourth fiscal quarter that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - a. All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - b. Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 16, 2022

/s/ Patrick Murphy

Patrick Murphy

Chief Financial Officer

(Principal Accounting and Financial Officer)

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**Certification of Principal Executive Officer Pursuant to 18 U.S.C. Section 1350  
as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002**

Pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, I, Nimesh Patel, Chief Executive Officer of AMCI Acquisition Corp. II (the "Company"), hereby certify, that, to my knowledge:

1. the Quarterly Report on Form 10-Q for the quarter ended March 31, 2022 (the "Report") of the Company fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a) or 78o(d)); and
2. the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: May 16, 2022

/s/ Nimesh Patel

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Nimesh Patel

Chief Executive Officer

(Principal Executive Officer)

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**Certification of Principal Financial Officer Pursuant to 18 U.S.C. Section 1350  
as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002**

Pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, I, Patrick Murphy, Chief Financial and Accounting Officer of AMCI Acquisition Corp. II (the "Company"), hereby certify, that, to my knowledge:

1. the Quarterly Report on Form 10-Q for the quarter ended March 31, 2022 (the "Report") of the Company fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a) or 78o(d)); and
2. the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: May 16, 2022

/s/ Patrick Murphy

Patrick Murphy

Chief Financial Officer

(Principal Financial and Accounting Officer)

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