

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person* ALEXANDER LAURENCE (Last) (First) (Middle) 4360 PARK TERRACE DRIVE, SUITE 100 (Street) WESTLAKE VILLAGE, CA 91361 (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 05/03/2022	3. Issuer Name and Ticker or Trading Symbol Energy Vault Holdings, Inc. [NRGV]	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below) Chief Marketing Officer	5. If Amendment, Date Original Filed(Month/Day/Year)
6. Individual or Joint/Group Filing Check Applicable Line <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person			

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

SEC 1473 (7-02)

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
Restricted Stock Units	(1)(2)	(1)(2)	Common Stock	270,940	\$ 0	D	

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
ALEXANDER LAURENCE 4360 PARK TERRACE DRIVE, SUITE 100 WESTLAKE VILLAGE, CA 91361			Chief Marketing Officer	

Signatures

/s/ Daniel Gunning, Attorney in Fact	05/12/2022
**Signature of Reporting Person	Date

Explanation of Responses:

* If the form is filed by more than one reporting person, see Instruction 5(b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

In connection with the merger described in that certain Business Combination Agreement and Plan of Reorganization, dated as of September 8, 2021, by and among Novus Capital Corporation II, now known as Energy Vault Holdings, Inc. ("Energy Vault Holdings") (the "Issuer"), NCCII Merger Corp. ("Merger Sub"), and Energy Vault, Inc. ("Energy Vault"), pursuant to which Merger Sub merged with and into Energy Vault, with Energy Vault surviving as a wholly-owned subsidiary of the Issuer (the "Merger"), the Reporting Person received restricted stock units ("RSUs") in Issuer in exchange for, and pursuant to the assumption and conversion of, 40,000 restricted stock units of Energy Vault.

Subject to the satisfaction of both a liquidity event requirement and service-based requirement, each RSU represents the contingent right to receive one share of the Issuer's Common Stock. The liquidity event requirement was satisfied upon the closing of the Merger. The RSUs will accordingly vest upon the satisfaction of the service-based requirement, which provides that the RSUs will vest or have vested as follows: with respect to 50% of the RSUs on the closing of the Merger, with respect to 25% of the RSUs on August 31, 2019 and with respect to 1/48th of the RSUs each month thereafter, subject to the Reporting Person's continuous service with the Issuer through each vesting date.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure.

Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

POWER OF ATTORNEY

The undersigned, as a Section 16 reporting person of Energy Vault Holdings, Inc., a Delaware corporation (the "Company"), hereby constitutes and appoints each of Dan Gunning, Daniel Reichert and Meredith Burke as the undersigned's true and lawful attorney-in-fact to:

(1) complete and execute Form ID, "Update Passphrase Confirmation" form and Forms 3, 4 and 5 and other forms and all amendments thereto as such attorney-in-fact shall in his or her discretion determined to be required or advisable pursuant to Section 16 of the Securities Exchange Act of 1934 (as amended) and the rules and regulations promulgated thereunder, or any successor laws and regulations, as a consequence of the undersigned's ownership, acquisition or disposition of securities of the Company; and

(2) do all acts necessary in order to file such forms with the Securities and Exchange Commission, any securities exchange or national association, the Company and such other person or agency as the attorney-in-fact shall deem appropriate.

The undersigned hereby ratifies and confirms all that said attorneys-in-fact and agents shall do or cause to be done by virtue hereof. The undersigned acknowledges that the foregoing attorneys-in-fact, in serving in such capacity at the request of the undersigned, are not assuming, nor is the Company assuming, any of the undersigned's responsibilities to comply with the Securities Exchange Act of 1934 (as amended).

This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms 3, 4, and 5 with respect to the undersigned's holdings of and transactions in securities issued by the Company, unless earlier revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact.

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of May 12, 2022.

/s/ Laurence Alexander
LAURENCE ALEXANDER
