

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

<b>1. Name and Address of Reporting Person *</b> <u>Pedretti Andrea</u>  (Last) (First) (Middle) <u>4360 PARK TERRACE DRIVE,</u> <u>SUITE 100</u>  (Street) <u>WESTLAKE</u> <u>CA</u> <u>91361</u>  (City) (State) (Zip)	<b>2. Issuer Name and Ticker or Trading Symbol</b> <u>Energy Vault Holdings, Inc. [ NRGV ]</u>	<b>5. Relationship of Reporting Person(s) to Issuer</b> (Check all applicable) Director 10% Owner Officer (give title below) Other (specify below)  <u>Chief Technology Officer</u>
	<b>3. Date of Earliest Transaction (Month/Day/Year)</b> <u>09/15/2022</u>	
		<b>4. If Amendment, Date of Original Filed (Month/Day/Year)</b>

## Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	09/15/2022		M <sup>(1)</sup>		1,171,704	A	(1)	1,817,448	D	
Common Stock	09/15/2022		F		545,302 <sup>(2)</sup>	D	\$4.21	1,272,146	D	
Common Stock	09/15/2022		J <sup>(3)</sup>		145,671	D	(3)	1,126,475	D	

## Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Restricted Stock Units	(4)	09/15/2022		M			1,171,704	(5)	(5)	Common Stock	1,171,704	\$0	1,171,703	D	

## Explanation of Responses:

- The Reporting Person received Restricted Stock Units ("RSUs") that represent a contingent right to receive one share of Common Stock for each RSU upon the satisfaction of applicable vesting conditions. The shares were issued pursuant to vested RSUs.
- Represents the number of shares withheld by the Issuer to satisfy the tax withholding obligation in connection with the settlement of RSUs.
- As payment for \$2,195,200 of a personal loan, Mr. Pedretti granted to the lender a security interest in 1,083,760 shares of the issuer's common stock pursuant to stock pledge and transfer agreement dated December 4, 2019. This transaction represents a disposition in partial satisfaction of the reporting person's obligation to deliver such shares pursuant to such stock pledge and transfer agreement.
- The Reporting Person received RSUs 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., NCCH 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 RSUs in exchange for, and pursuant to the assumption and conversion of, 345,967 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 vest on July 19, 2020 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.

/s/ Timothy Maloche, Attorney-in-Fact 09/19/2022

\*\* Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

\* If the form is filed by more than one reporting person, see Instruction 4 (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).

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

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 Number.