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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).

Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan for the purchase or sale of equity securities of the issuer that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.

1. Name and Address of Reporting Person * <u>Robinette Dale Thomas</u> <hr/> (Last) (First) (Middle) <u>C/O FLUX POWER HOLDINGS, INC.</u> <u>2685 S. MELROSE DRIVE</u> <hr/> (Street) <u>VISTA CA 92081</u> <hr/> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>Flux Power Holdings, Inc. [FLUX]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) <u>04/18/2024</u>	
	4. If Amendment, Date of 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 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 ⁽¹⁾	04/20/2024		M ⁽¹⁾		16,883	A	(1)	37,728	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 Unit ⁽²⁾	(1)	04/20/2024		M		16,883		(2)	(2)	Common Stock	16,883	(2)	0	D	
Restricted Stock Unit ⁽³⁾	(3)	04/18/2024		A		17,057		(3)	(3)	Common Stock	17,057	(3)	17,057	D	

Explanation of Responses:

- Represents the number of common stock issued upon the vesting of 16,883 restricted stock units ("RSUs"), which converted into the Issuer's common stock on a one-for-one basis.
- This award was granted on April 20, 2023. 16,883 RSUs vested on April 20, 2024.
- Represents a grant of RSUs on April 18, 2024, pursuant to the Issuer's 2021 Equity Incentive Plan in a transaction exempt under Rule 16b-3 to the Reporting Person, who is a non-executive director with the Issuer, in connection with services. Each RSU represents a contingent right to receive, upon vesting of the RSU, one share of the Issuer's common stock. Subject to the conditions of the Restricted Stock Unit Award Agreement, the RSUs are scheduled to vest on April 18, 2025, which is one year from the date of grant.

Remarks:

Exhibit 24 - Power of Attorney (previously filed as Exhibit 24 o Form 4 dated May 2, 2022.)

/s/ Ronald F. Dutt, Attorney-in-fact for Dale Robinette 04/22/2024

** 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.