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| OMB APPROVAL                                 |           |
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

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

|   |  |   |
|---|--|---|
| 1. Name and Address of Reporting Person*<br><u>Gagnon Neil</u><br><br>(Last) (First) (Middle)<br>1370 AVENUE OF THE AMERICAS<br>24TH FLOOR<br><br>(Street)<br>NEW YORK NY 10019<br><br>(City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol<br><u>POWER SOLUTIONS INTERNATIONAL, INC. [ PSIX ]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable)<br><br>Director <input checked="" type="checkbox"/> 10% Owner<br><br>Officer (give title below) Other (specify below) |
|   | 3. Date of Earliest Transaction (Month/Day/Year)<br>11/21/2022                                     |   |
|   | 4. If Amendment, Date of Original Filed (Month/Day/Year)   | 6. Individual or Joint/Group Filing (Check Applicable Line)<br><br><input checked="" type="checkbox"/> Form filed by One Reporting Person<br><br>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, par value \$0.001 per share | 11/21/2022                           |  | P                              |   | 5,000   | A          | \$3   | 459,429   | D  |  |
| Common Stock, par value \$0.001 per share |                                      |  |                                |   |   |            |       | 113,880   | I  | By Limited Partner of the Family Partnership   |
| Common Stock, par value \$0.001 per share |                                      |  |                                |   |   |            |       | 21,994  | I  | By self as Trustee of Gagnon Securities LLC Profit Sharing Plan <sup>(1)</sup>       |
| Common Stock, par value \$0.001 per share |                                      |  |                                |   |   |            |       | 659,680   | I  | By Managing Member as General Partner of Gagnon Investment Associates <sup>(1)</sup> |
| Common Stock, par value \$0.001 per share |                                      |  |                                |   |   |            |       | 70,180  | I  | By Managing Member as General Partner of Darwin Partnership <sup>(1)</sup>           |

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 |  | Date Exercisable   | Expiration Date |   |  |  |   |  |

Explanation of Responses:

1. Neil Gagnon serves as the Chief Executive Officer of Gagnon Advisors, LLC and is the managing member and principal owner of Gagnon Securities LLC, each of which provide investment management services to investment vehicles and managed accounts (collectively, the "Accounts"), and as such, has investment discretion with respect to the Accounts. Mr. Gagnon's interest in the securities reported herein is limited to the extent of his pecuniary interest in each of the Accounts, if any.

/s/ Neil Gagnon

11/22/2022

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.**