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**SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

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**SCHEDULE 13G**

Under the Securities and Exchange Act of 1934

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**Luna Innovations Incorporated**

(Name of Issuer)

**Common Stock**

(Title of Class of Securities)

**550351100**

(CUSIP Number)

**September 30, 2024**

(Date of Event Which Requires Filing of this Statement)

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Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

This Schedule is filed pursuant to Rule 13d-1(b)

The information required in the remainder of this cover page (except any items to which the form provides a cross-reference) shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act.

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| 1)   | Name of Reporting Person<br>Ameriprise Financial, Inc.<br><br>S.S. or I.R.S. Identification No. of Above Person<br>IRS No. 13-3180631  |
| 2)   | Check the Appropriate Box if a Member of a Group<br>(a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/> *<br><br>* This filing describes the reporting person's relationship with other persons, but the reporting person does not affirm the existence of a group. |
| 3)   | SEC Use Only   |
| 4)   | Citizenship or Place of Organization<br><br>Delaware   |
| NUMBER OF<br>SHARES<br>BENEFICIALLY<br>OWNED BY<br>EACH<br>REPORTING<br>PERSON<br>WITH | 5) Sole Voting Power<br><br>0  |
|  | 6) Shared Voting Power<br><br>2,339,841  |
|  | 7) Sole Dispositive Power<br><br>0   |
|  | 8) Shared Dispositive Power<br><br>2,340,317   |
| 9)   | Aggregate Amount Beneficially Owned by Each Reporting Person<br><br>2,340,317  |
| 10)  | Check if the Aggregate Amount in Row (9) Excludes Certain Shares<br><br>Not Applicable   |
| 11)  | Percent of Class Represented by Amount In Row (9)<br><br>6.89%   |
| 12)  | Type of Reporting Person<br><br>HC   |

|  |  |   |
|--|--|---|
| 1)   | Name of Reporting Person<br>Columbia Management Investment Advisers, LLC   |   |
|  | S.S. or I.R.S. Identification No. of Above Person<br>IRS No. 41-1533211  |   |
| 2)   | Check the Appropriate Box if a Member of a Group<br>(a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/> *                         |   |
|  | * This filing describes the reporting person's relationship with other persons, but the reporting person does not affirm the existence of a group. |   |
| 3)   | SEC Use Only   |   |
| 4)   | Citizenship or Place of Organization<br><br>Minnesota  |   |
| NUMBER OF<br>SHARES<br>BENEFICIALLY<br>OWNED BY<br>EACH<br>REPORTING<br>PERSON<br>WITH | 5)   | Sole Voting Power<br><br>0                |
|  | 6)   | Shared Voting Power<br><br>2,339,841      |
|  | 7)   | Sole Dispositive Power<br><br>0           |
|  | 8)   | Shared Dispositive Power<br><br>2,339,841 |
| 9)   | Aggregate Amount Beneficially Owned by Each Reporting Person<br><br>2,339,841  |   |
| 10)  | Check if the Aggregate Amount in Row (9) Excludes Certain Shares<br><br>Not Applicable   |   |
| 11)  | Percent of Class Represented by Amount In Row (9)<br><br>6.89%   |   |
| 12)  | Type of Reporting Person<br><br>IA   |   |

1(a) Name of Issuer: Luna Innovations Incorporated

1(b) Address of Issuer's Principal Executive Offices: 301 First Street SW, Suite 200  
Roanoke, VA 24011

2(a) Name of Person Filing: (a) Ameriprise Financial, Inc. ("AFI")  
(b) Columbia Management Investment Advisers, LLC ("CMIA")

2(b) Address of Principal Business Office: (a) Ameriprise Financial, Inc.  
145 Ameriprise Financial Center  
Minneapolis, MN 55474  
(b) 290 Congress Street  
Boston, MA 02210

2(c) Citizenship: (a) Delaware  
(b) Minnesota

2(d) Title of Class of Securities: Common Stock

2(e) Cusip Number: 550351100

3 Information if statement is filed pursuant to Rules 13d-1(b) or 13d-2(b):  
(a) Ameriprise Financial, Inc.  
A parent holding company in accordance with Rule 13d-1(b)(1)(ii)(G). (Note: See Item 7)  
(b) Columbia Management Investment Advisers, LLC  
An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E).

4 Incorporated by reference to Items (5)-(9) and (11) of the cover page pertaining to each reporting person.  
AFI, as the parent company of CMIA, may be deemed to beneficially own the shares reported herein by CMIA. Accordingly, the shares reported herein by AFI include those shares separately reported herein by CMIA.  
Each of AFI and CMIA disclaims beneficial ownership of any shares reported on this Schedule.

5 Ownership of 5% or Less of a Class: Not Applicable

6 Ownership of more than 5% on Behalf of Another Person: Not Applicable

7 Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company:  
AFI: See Exhibit I

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8 Identification and Classification of Members of the Group:

Not Applicable

9 Notice of Dissolution of Group:

Not Applicable

10 Certification:

By signing below, I certify that, to the best of my knowledge and belief, the securities referred to above were acquired in the ordinary course of business and were not acquired for the purpose of and do not have the effect of changing or influencing the control of the issuer of such securities and were not acquired in connection with or as a participant in any transaction having such purposes or effect.

Signature

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: November 14, 2024

Ameriprise Financial, Inc.

By: /s/ Michael G. Clarke

Name: Michael G. Clarke

Title: Senior Vice President, North America Head of  
Operations & Investor Services

Columbia Management Investment  
Advisers, LLC

By: /s/ Michael G. Clarke

Name: Michael G. Clarke

Title: Senior Vice President, North America Head of  
Operations & Investor Services

Contact Information

Charles Chiesa

VP Fund Treasurer

Global Operations and Investor Services

Telephone: 617-385-9593

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Exhibit Index

- Exhibit I Identification and Classification of the Subsidiary which Acquired the Security Being Reported on by the Parent Holding Company.  
Exhibit II Joint Filing Agreement

Exhibit I  
to  
Schedule 13G

Ameriprise Financial, Inc., a Delaware Corporation, is a parent holding company. The classification and identity of the relevant subsidiaries is as follows:  
Investment Adviser – Columbia Management Investment Advisers, LLC is an investment adviser registered under section 203 of the Investment Advisers Act of 1940.



Exhibit II

to

Schedule 13G

Joint Filing Agreement

The undersigned persons agree and consent to the joint filing on their behalf of this Schedule 13G dated November 14, 2024 in connection with their beneficial ownership of Luna Innovations Incorporated. Columbia Management Investment Advisers, LLC authorizes Ameriprise Financial, Inc. to execute the Schedule 13G to which this Exhibit is attached and make any necessary amendments thereto.

Ameriprise Financial, Inc.

By: /s/ Michael G. Clarke  
Name: Michael G. Clarke  
Title: Senior Vice President, North America Head of  
Operations & Investor Services

Columbia Management Investment Advisers, LLC

By: /s/ Michael G. Clarke  
Name: Michael G. Clarke  
Title: Senior Vice President, North America Head of  
Operations & Investor Services