FORM 4	UNITED ST	ATES SECURITIES AND EXCHANGE COMM	OMB APPROVAL		
Check this box if no longer subject to Sec 16. Form 4 or Form obligations may continue. See Instru 1(b).	5 Filed pursuant to	Washington, D.C. 20549 ENT OF CHANGES IN BENEFICIAL OWNER Section 16(a) of the Securities Exchange Act of 1 ic Utility Holding Company Act of 1935 or Section Investment Company Act of 1940	934, Section	OMB Number: Expires: Estimated av hours per response	3235-0287 December 31, 2014 verage burden 0.5
1. Name and Address Backus John G	of Reporting Person $^{*}$	2. Issuer Name <b>and</b> Ticker or Trading Symbol LUNA INNOVATIONS INC [LUNA]	5. Relationship Issuer	•	ig Person(s) to
(Last) (First) C/O LUNA INNOVATI INCORPORATED, 17 STREET, SW SUITE 4	03 S. JEFFERSON	3. Date of Earliest Transaction (Month/Day/Year) 08/09/2007	(Check all appl X Director Officer ( title belo	give	10% Owner Other (specify below)
(Street) ROANOKE VA 24016		4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or (Check Applica X Form filed b Form filed b Reporting P	able Line) y One Repo y More thar	orting Person
(City) (State)	(Zip)			010011	

	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned											
1.Title of Security (Instr. 3)		2A. Deemed Execution Date, if any (Month/Day/Year)	Transaction Code		4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)			Securities Beneficially Owned	6. Ownership Form: Direct (D)	Beneficial Ownership		
			Code	v	Amount	(A) or (D)	Price	Following or Indirect Reported (I) Transaction(s) (Instr. 4) (Instr. 3 and 4)		(Instr. 4)		

	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)	Code	Transaction Number of		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (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 of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Stock Unit	(1)	08/09/2007		A		1,025		(2)	(3)	Common Stock	1,025	\$4.15	1,025	D	

Explanation of Responses:

1. Stock Units convertible into registrant's common stock on a 1-for-1 basis.

2. Stock Units issued under the registrant's Non-Employee Director Deferred Compensation Plan. The Stock Units become issuable in common stock of the registrant at the election of the reporting person upon reporting person's termination of service, a change of control of the registrant, an unforseeable emergency, or a fixed date selected by the reporting person.

3. Stock Units issuable under the registrant's 2006 Equity Incentive Plan, which expires June 6, 2016.

Aaron S. Hullman, Esq., attorney-in-fact \*\* 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.