#### MULLER EDWARD R

Form 4

February 29, 2012

### FORM 4

# UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

**SECURITIES** 

2. Issuer Name and Ticker or Trading

OMB APPROVAL

Number: 3235-0287

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5. Relationship of Reporting Person(s) to

if no longer subject to Section 16. Form 4 or Form 5

Check this box

Form 4 or
Form 5
obligations
may continue.

See Instruction

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,
Section 17(a) of the Public Utility Holding Company Act of 1935 or Section
30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person \*

MULLER EDWARD R			Symbol					Issuer			
			GenOn	Energy,	Inc. [GEN]			(Check all applicable)			
(Last) (First) (Middle)  1000 MAIN STREET			3. Date of Earliest Transaction (Month/Day/Year) 02/27/2012				_	_X_ Director 10% Owner _X_ Officer (give title Other (specify below) Chairman, President and CEO			
(Street) 4. If				4. If Amendment, Date Original				6. Individual or Joint/Group Filing(Check			
Filed(Mo				Month/Day/Year)				Applicable Line) _X_ Form filed by One Reporting Person			
HOUSTON, TX 77002								Form filed by More than One Reporting Person			
(City)	(State)	(Zip)	<b></b>						D 01 1 1		
	` '						-	ired, Disposed of		•	
1.Title of Security (Instr. 3)	2. Transaction Dat (Month/Day/Year)	) Execution any		3. Transaction Code (Instr. 8)	4. Securities oner Disposed (Instr. 3, 4 an	of (D) ad 5)  (A) or	d (A)	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)	
Common Stock	02/27/2012			A	1,081,293 (1)	` '	\$ 0	2,629,088	D		
Common Stock								1,190,573	I	By Trust	

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

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SEC 1474

(9-02)

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# 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 orDerivative 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 Underlying Securitie (Instr. 3 and 4)	
	Security			Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amour Number Shares
Employee Stock Option - Right to Buy	\$ 2.44	02/27/2012		A	1,166,823	(2)	02/26/2022	Common Stock	1,166

# **Reporting Owners**

Reporting Owner Name / Address	Relationships					
1 6	Director	10% Owner	Officer	Other		
MULLER EDWARD R 1000 MAIN STREET HOUSTON, TX 77002	X		Chairman, President and CEO			

# **Signatures**

**(1)** 

/s/ Edward R.
Muller

\*\*Signature of Reporting Person

Date

## **Explanation of Responses:**

- \* 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).

Comprised of (i) 189,870 shares of common stock resulting from the vesting on February 27, 2012, upon the satisfaction of performance-based conditions, of one-third of the performance-based restricted stock units granted on February 23, 2011, (ii) 379,742 restricted stock units that, upon the satisfaction of the performance-based conditions on February 27, 2012, will vest ratably over the next two years on an annual basis and that may only be settled in common stock and (iii) 511,681 restricted stock units granted on February 27, 2012 that will vest ratably on an annual basis over the next three years and that may only be settled in common stock.

(2) These stock options vest in three equal annual installments beginning February 27, 2013.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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