

HOLDEN J WILLIAM III  
 Form 4  
 February 29, 2012

**FORM 4**

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

OMB APPROVAL

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

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

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

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
**HOLDEN J WILLIAM III**

(Last) (First) (Middle)  
 1000 MAIN STREET  
 (Street)

HOUSTON, TX 77002

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
**GenOn Energy, Inc. [GEN]**

3. Date of Earliest Transaction (Month/Day/Year)  
 02/27/2012

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
 EVP, CFO

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 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 Ownership (Instr. 4)
			Code	V	Amount or Price		
Common Stock	02/27/2012		A		306,809 (1)	A	\$ 0 560,670 D
Common Stock	02/27/2012		F		17,483 (2)	D	\$ 2.44 543,187 D

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

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 (9-02)

**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 Underlying Securities (Instr. 3 and 4)
				Code	V (A) (D)	Date Exercisable Expiration Date	Title Amount Number Shares
Employee Stock Option - Right to Buy	\$ 2.44	02/27/2012		A	331,075	<sup>(3)</sup> 02/26/2022	Common Stock 331,075

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
HOLDEN J WILLIAM III 1000 MAIN STREET HOUSTON, TX 77002			EVP, CFO	

## Signatures

/s/ J. William Holden III  
02/29/2012

\_\_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) 53,874 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) 107,750 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) 145,185 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) The reporting person disposed of these shares to satisfy tax withholding obligations related to the vesting of performance-based restricted stock units.
- (3) 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.