ACORN ENERGY, INC.

Form 4

February 24, 2014

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB

Expires:

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SECURITIES Form 5 obligations may continue.

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 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Barth Michael

2. Issuer Name and Ticker or Trading Symbol

ACORN ENERGY, INC. [ACFN]

5. Relationship of Reporting Person(s) to

(Check all applicable)

Issuer

(Last)

(First)

(Middle)

3. Date of Earliest Transaction

(Month/Day/Year)

02/21/2014

Director

10% Owner Other (specify

C/O ACORN ENERGY, INC., 3903

CENTERVILLE ROAD

X_ Officer (give title below) below)

CFO

(Street) 4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)

X Form filed by One Reporting Person

Form filed by More than One Reporting Person

WILMINGTON, DE US 19807

(City) (State) (Zip) 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. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)			of (D)	Securities I Beneficially (Owned I	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	Reported Transaction(s) (Instr. 3 and 4)		
common stock	02/21/2014		M	35,000	A	\$ 2.51	73,044.0931	D	
common stock	02/21/2014		F	24,202 (1)	D	\$ 3.63 (2)	48,842.0931	D	

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

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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. Transactic Code (Instr. 8)	5. Number of ionDerivative 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 or Number of Shares	
stock options	\$ 2.51	02/21/2014(3)		M		35,000	12/31/2009	02/20/2014	common stock	35,000	

Reporting Owners

Reporting Owner Name / Address	Relationships						
1 8	Director	10% Owner	Officer	Other			
Barth Michael							
C/O ACORN ENERGY, INC.			CEO				
3903 CENTERVILLE ROAD			CFO				
WILMINGTON, DE US 19807							

Signatures

Michael Barth 02/24/2014

**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).
- (1) shares of common stock withheld to pay exercise price for net exercise of stock option
- (2) fair market value per share of shares withheld to pay exercise price for net exercise of stock option
- (3) effective date of automatic net exercise of stock option according to its terms

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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