

Sela Benny
 Form 4
 February 12, 2009

FORM 4

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

OMB APPROVAL

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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 *
 Sela Benny

(Last) (First) (Middle)

C/O ACORN ENERGY, INC., 4
 WEST ROCKLAND ROAD,

(Street)

MONTCHANIN, DE 19710

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
 ACORN ENERGY, INC. [ACFN]

3. Date of Earliest Transaction
 (Month/Day/Year)
 02/12/2009

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)

CEO of dsIT Solutions Ltd.

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 Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
| | | | | (A) or (D) | Code V Amount (D) Price | | |

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

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 control number.

SEC 1474
 (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 | 2. Conversion or Exercise | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any | 4. Transaction Code | 5. Number of Derivative Securities Acquired | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount Underlying Security (Instr. 3 and 4) |
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|---|--|--|
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|---|--|--|

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| (Instr. 3) | Price of Derivative Security | (Month/Day/Year) | (Instr. 8) Code | (A) or Disposed of (D) (Instr. 3, 4, and 5) | | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
|---------------|------------------------------|------------------|-----------------|---|--------|------------------|-----------------|--------------|----------------------------|
| | | | | (A) | (D) | | | | |
| Stock Options | \$ 1.8 | 02/12/2009 | D | | 20,000 | 10/20/2001 | 03/31/2009 | Common Stock | 20,000 |
| Stock Options | \$ 2.51 | 02/12/2009 | A | 20,000 | | 02/12/2009 | 02/12/2011 | Common Stock | 20,000 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|---------|----------------------------|
| | Director | 10% Owner | Officer | Other |
| Sela Benny C/O ACORN ENERGY, INC. 4 WEST ROCKLAND ROAD, MONTCHANIN, DE 19710 | | | | CEO of dsIT Solutions Ltd. |

Signatures

/s/ Benny Sela 02/12/2009
 __Signature of Date
 Reporting Person

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) The option was forfeited by mutual agreement of the Reporting Person and the Issuer.
- 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.