

ACORN ENERGY, INC.  
Form 8-K  
September 30, 2008

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

FORM 8-K  
CURRENT REPORT

PURSUANT TO SECTION 13 OR 15(d) OF THE  
SECURITIES EXCHANGE ACT OF 1934

Date of Report (Date of earliest event reported) September 26, 2008

ACORN ENERGY, INC.  
(Exact name of Registrant as Specified in its Charter)

Delaware  
(State or Other Jurisdiction  
of Incorporation)

0-19771  
(Commission file Number)

22-2786081  
(IRS Employer  
Identification No.)

4 West Rockland, Montchanin, Delaware  
(Address of Principal Executive Offices)

19710  
(Zip Code)

Registrant's telephone number, including area code (302) 656-1707

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-2 under the Exchange Act (17 CFR 240.14a-2)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

**Section 5 - Corporate Governance and Management**

**Item 5.02 Departure of Directors or Certain Officers; Election of Directors; Appointment of Certain Officers; Compensatory Arrangements of Certain Officers.**

On September 26, 2008, the Board of Directors of Acorn Energy, Inc. (the "Company") approved modified terms of the employment arrangement with Michael Barth, who has served as the Chief Financial Officer and Chief Accounting Officer of both the Company and its subsidiary dsIT Solutions Ltd. since November 2005. According to the terms of employment approved by the Board, Mr. Barth will be entitled to a salary increase from \$100,000 to \$150,000 per annum. The Board also approved the payment of a cash bonus to Mr. Barth equal to the difference between his prior salary and new salary for the period from November 1, 2007 through the effective date of the modification.

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SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized on this 29th day of September, 2008.

ACORN ENERGY, INC.

By: /s/ Sheldon Krause

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Name: Sheldon Krause

Title: Secretary and General Counsel