

ACORN ENERGY, INC.  
Form 8-K  
February 21, 2012

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) February 21, 2012**

**ACORN ENERGY, INC.**

**(Exact name of Registrant as Specified in its Charter)**

Delaware                      0-19771                      22-2786081  
(State or Other Jurisdiction (Commission file Number) (IRS Employer  
of Incorporation)                      Identification No.)

4 West Rockland Road, Montchanin, Delaware 19710  
(Address of Principal Executive Offices)                      (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))

**Item 7.01 Regulation FD Disclosure.**

On February 21, 2012, Acorn Energy, Inc. issued a press release providing a corporate update, including an outlook for 2012. The press release is annexed as Exhibit 99.1 to this report.

**Item 9.01 Financial Statements and Exhibits.**

99.1 Press release of Acorn Energy, Inc., dated February 21, 2012.

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 21st day of February, 2012.

ACORN ENERGY, INC.

By: /s/Heather K. Mallard

Name: Heather K. Mallard

Title: Vice President, General Counsel and Secretary