

ACORN FACTOR, INC.  
Form 8-K  
July 31, 2007

**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) July 31, 2007**

**ACORN FACTOR, 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.)

200 Route 17, Mahwah, New Jersey  
(Address of Principal Executive Offices)

07430  
(Zip Code)

Registrant's telephone number, including area code (201) 529-2026

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))
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**Section 8 - Other Events**

**Item 8.01 Other Events**

On July 31, 2007 the Registrant issued a press release announcing its investment in Local Power Inc. The press release is filed as Exhibit 99.1 hereto.

**Section 9 - Financial Statements and Exhibits**

**Item 9.01 Financial Statements and Exhibits**

**(d) Exhibits**

| <u>Exhibit No.</u> | <u>Description</u>                |
|--------------------|-----------------------------------|
| 99.1               | Press Release dated July 31, 2007 |

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 31st day of July 2007.

ACORN FACTOR, INC.

By: /s/ Sheldon Krause

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Name: Sheldon Krause

Title: Secretary and General Counsel