

SPIRE CORP  
Form 8-K  
April 05, 2011

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): March 31, 2011

SPIRE CORPORATION  
(Exact Name of Registrant as Specified in Charter)

Massachusetts (State or Other Jurisdiction of Incorporation)	0-12742 (Commission File Number)	04-2457335 (IRS Employer Identification No.)
---	--	--

One Patriots Park, Bedford, Massachusetts (Address of Principal Executive Offices)	01730-2396 (Zip Code)
---	--------------------------

Registrant's telephone number, including area code: (781) 275-6000

Not Applicable  
(Former name or address, if changed since last report)

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 (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- 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 1.01 ENTRY INTO A MATERIAL DEFINITIVE AGREEMENT.

On March 31, 2011, Silicon Valley Bank (the "Bank") agreed to increase the letter of credit sub-facility under Spire Corporation's credit facility with the Bank from \$1.5 million to \$2.5 million. All other terms and conditions under the credit facility remain the same.

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.

SPIRE CORPORATION

Date: April 5, 2011

By: /s/ Robert S. Lieberman  
Robert S. Lieberman  
Chief Financial Officer and Treasurer