

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, DC 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) December 13, 2010

Gladstone Capital Corporation
(Exact name of registrant as specified in its charter)

Maryland
(State or other jurisdiction
of incorporation)

814-00237
(Commission
File Number)

54-2040781
(IRS Employer
Identification No.)

1521 Westbranch Drive, Suite 200
McLean, Virginia
(Address of principal executive offices)

22102
(Zip Code)

Registrant's telephone number, including area code: **(703) 287-5800**

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

On December 13, 2010, Gresford Gray delivered to the management of Gladstone Capital Corporation (the "Company") a notice that he is resigning as the Chief Financial Officer of the Company. Mr. Gray's resignation will become effective on January 7, 2011. The company will appoint an interim CFO and seek a permanent replacement.

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.

Gladstone Capital Corporation
(Registrant)

By: /s/ David Gladstone
(David Gladstone, Chief Executive Officer)

December 14, 2010
