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, 2007

GREATER BAY BANCORP

(Exact name of registrant as specified in its charter)

California (State or other jurisdiction

of incorporation)

0-25034 (Commission File Number) 77-0387041 (IRS Employer

Identification No.)

1900 University Avenue, 6th Floor

East Palo Alto, CA94303(Address of principal executive offices)(Zip Code)Registrant s telephone number, including area code: (650) 813-8200

N/A

(Former name or former address, if changed since last report.)

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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 8.01 Other Events.

On February 21, 2006, Greater Bay Bancorp (the Registrant) issued a press release announcing a proposed public offering of up to \$100 million in trust preferred securities and the proposed redemption of the Registrant s Series B Preferred Stock.

The press release is included as Exhibit 99.1 to this report.

Item 9.01 Financial Statements and Exhibits.

List below the financial statements, pro forma financial information and exhibits, if any, filed as a part of this report.

(a) Financial statements of businesses acquired. None

(b) Pro forma financial information. None

(c) Shell company transactions. None

(d) Exhibits.

Exhibit No.Description of Exhibit99.1Press Release dated February 21, 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.

Greater Bay Bancorp (Registrant)

By: /s/ Linda M. Iannone Linda M. Iannone Senior Vice President and General Counsel

Date: February 21, 2007

EXHIBIT INDEX

Exhibit No.Description of Exhibit99.1Press Release dated February 21, 2007