

Section 2 - Financial Information

Item 2.02. Results of Operations and Financial Condition.

On October 26, 2011, Parametric Technology Corporation issued a press release announcing results for its fourth fiscal quarter and year ended September 30, 2011. PTC also posted a copy of its supplemental prepared remarks with respect to the completed quarter on the Investor Relations section of its website at www.ptc.com. A copy of the press release and a copy of the prepared remarks are furnished herewith as Exhibits 99.1 and 99.2, respectively.

Section 7 – Regulation FD

Item 7.01. Regulation FD Disclosure.

The Board of Directors of PTC has authorized PTC to repurchase \$100 million worth of its shares in fiscal 2012 using cash from operations. PTC intends to repurchase its shares under this authorization and may enter into a Rule 10b5-1 Repurchase Plan with a broker pursuant to which repurchases will be made.

Section 9 - Financial Statements and Exhibits

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits.

99.1 A copy of the press release issued by Parametric Technology Corporation on October 26, 2011 is furnished herewith.

99.2 A copy of the prepared remarks posted by Parametric Technology Corporation to its website on October 26, 2011 is furnished herewith.

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.

Parametric Technology Corporation

Date: October 26, 2011

By:

/s/ Jeffrey Glidden

Jeffrey Glidden

Executive Vice President and Chief Financial Officer