SUNCOR ENERGY INC
Form 6-K
February 24, 2012

FORM 6-K

SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

Report of Foreign Private Issuer

Pursuant to Rule 13a - 16 or 15d - 16 of

the Securities Exchange Act of 1934

For the month of: February 2012 **Commission File Number: 1-12384**

SUNCOR ENERGY INC.

(Name of registrant)

150 6th Avenue S.W.

P.O. Box 2844

Calgary, Alberta

Canada, T2P 3E3

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F:

Form 20-F o Form 40-F x

Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby furnishing the information to the SEC pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934:

Yes o No x

If Yes is marked, indicate the number assigned to the registrant in connection with Rule 12g3-2(b):

N/A

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, thereunto duly authorized.

SUNCOR ENERGY INC.

Date: February 24, 2012

By: *Shawn Poirier*
Shawn Poirier
Assistant Corporate Secretary

EXHIBIT INDEX

Exhibit	Description of Exhibit
99.1	Press Release Dated February 23, 2012, Suncor Energy announces Normal Course Issuer Bid