

SUNCOR ENERGY INC
Form 6-K
January 10, 2011

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: January 2011

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

Form 40-F

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:

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:

By:

January 7, 2011

Shawn Poirier
Shawn Poirier
Assistant Corporate Secretary

EXHIBIT INDEX

| Exhibit | Description of Exhibit |
|----------------|---|
| 99.1 | Press Release Dated January 7, 2011, Suncor Energy reports oil sands production numbers for December 2010 |