

SUNCOR ENERGY INC  
Form 6-K  
January 20, 2009

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## 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 2009

Commission File Number: 1-12384

## SUNCOR ENERGY INC.

(Name of registrant)

112 Fourth Avenue S.W.  
P.O. Box 38  
Calgary, Alberta  
Canada, T2P 2V5

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:

Yes  No

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

N/A

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**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: January 20, 2009

By: ARLENE STROM

ARLENE STROM  
*Assistant Corporate  
Secretary*

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**EXHIBIT INDEX**

| <b>Exhibit</b> | <b>Description of Exhibit</b>  |
|----------------|--|
| 99.1           | Press Release Including 2009 Outlook and Interim Unaudited Financial Statements of Suncor Energy Inc. for the fourth fiscal quarter ended December 31, 2008. |

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QuickLinks

SIGNATURES

EXHIBIT INDEX