

FOR IMMEDIATE RELEASE

Suncor Energy reports planned repair schedule for damaged upgrader

Calgary, Alberta (February 22, 2010) – Suncor Energy Inc. announced today that it has completed its assessment and expected schedule to repair portions of an oil sands upgrader (U1) damaged by fire in early February. Repairs are currently underway and the company now expects the upgrader to return to production in early April.

In addition to the investigation into the cause of the fire, Chief Operating Officer Steve Williams has initiated an independent investigation supported by third party experts to review process safety and reliability. The findings from this investigation will be used to benchmark against industry best practices and assist in supporting Suncor's operational excellence initiatives.

During the repair period, the company's second upgrader (U2) is expected to continue normal operations. Combined production of synthetic crude oil and bitumen sold directly to markets during this period is targeted at an average of approximately 210,000 barrels per day (bpd) in February and 230,000 bpd in March (these volumes do not include Suncor's proportionate production share from the Syncrude joint venture). Accordingly, Suncor's production outlook issued on February 4, 2010 will be impacted and will be updated with the release of the company's first quarter results on May 4.

Based on the damage assessment and repair schedule, and applicable waiting periods and deductibles, Suncor does not expect insurance to play a significant role in mitigating losses from this incident.

This news release contains forward-looking statements identified by the words "expected", "targeted" and similar expressions that address expectations or projections about the future. Forward-looking statements are based on Suncor's current goals, expectations, estimates, projections and assumptions made in light of its experiences and the risks, uncertainties and other factors related to its business. Assumptions used to develop our production targets and outlook are based on year-to-date performance and management's best estimates for the remainder of the year. Readers are cautioned that actual results could differ materially from those expressed or implied as a result of changes to Suncor's plans and the impact of events, risks and uncertainties discussed in Suncor's current annual information form/form 40-F, annual and quarterly reports to shareholders and other documents filed with Canadian securities commissions at www.sedar.com and the United States Securities and Exchange Commission (SEC) at www.sec.gov.

Suncor Energy Inc. is Canada's premier integrated energy company. Suncor's operations include oil sands development and upgrading, conventional and offshore oil and gas production, petroleum refining, and product marketing under the Petro-Canada brand – a proud National Partner to the Vancouver 2010 Olympic and Paralympic Winter Games. While working to responsibly develop petroleum resources, Suncor is also developing a growing renewable energy portfolio. Suncor's common shares (symbol: SU) are listed on the Toronto and New York stock exchanges.

- 30 -

For more information about Suncor Energy Inc. please visit our web site at www.suncor.com.

Investor inquiries: Helen Kelly 403-693-2048
Media inquiries: Dany Laferrière 403-269-8760

News Release and Stakeholder Mailout Process & Checklist

Prior to issuing a news release, corporate and relevant business units must review the following checklist and ensure the appropriate processes are completed, and approvals have been received. Once completed, e-mail the news release to Connie MacRae for distribution.

Action	Yes ✓	N/A ✓
Advise Connie MacRae of anticipated release timing – Connie to provide heads-up to Translation group & Web team	✓	
Communication plan complete	✓	
Release includes legal notice and correct boilerplate	✓	
Is the release a material announcement?	✓	
Sign-off received from corporate legal	✓	
Sign-off received from disclosure committee (INFORMED)	✓	
Sign-off received from other affected parties (list here – i.e., SEMI, Employee Comms, HR / Union, IR)		✓
If sending to government / stakeholder groups – cover letter completed (give to Connie with release)		✓
Notification to <i>intofocus</i> (employee newsletter)	✓	
Include IR contact in release (Helen Chan / John Rogers) ?	✓	
** Quarterly releases ** – use legal disclaimer from final quarterly report – include webcast and conference call details at the end of the news release – format quarterly report same as news release template; check all references are correct		✓

Government / Stakeholder groups to send release to:

Group	✓
Government – Alberta (GR contacts including MLA's and civil servants)	
Government – Alberta – A List (Alberta cabinet ministers, Premier)	
Government – Alberta – MLAs (all 83 MLA's)	
Government – Federal (GR contacts including MPs and civil servants)	
Government – Federal – A List (select Federal cabinet ministers, Prime Minister)	
News Rel – GR Contacts (Denver)	
News Rel – GR Contacts (NG&RE)	
News Rel – GR Contacts (Oil Sands)	
News Rel – GR Contacts (SEPI)	
News Rel – OS Stakeholders	
NGO – EM&R	
NGO – Env	
NGO – Soc	
Other:	

Newsire Distribution: ✓

	Canadian Select Disclosure & New York Metro
	French Language Disclosure Network
✓	Canadian / US Timely Disclosure Network
✓	Enhanced French Language Disclosure Network
	Canadian / US Timely Investment Network
	Continental Europe & UK Oil & Gas Analysts / Media
	National Business News Network
	National Media Network
	Canadian Dailies Network
	Continental Europe Finance Network

Date of release: February 22	
Time release is to be issued (Mountain time): 4 a.m.	
Language: ✓	E-mail recipients (select any or all): ✓
✓ Both English & French (default)	✓ Operations & Financial
English only	Environment
French only	Community
	All active subscribers
Web posting: ✓	
✓	Show on Suncor.com home page under Latest News
✓	Show in Newsroom (default)
✓	Show in News Releases (default)
	Show in Community News
✓	Release should cross the wire (default)
	Release should NOT cross the wire
Summary - if different from first paragraph (needs to be translated):	
Meta keywords:	
Meta descriptions:	