

## Oil Sands Monthly Royalty Rates

November 2012

### Royalty Data

Pre-Payout Gross Royalty:	5.22277% (based on <b>Prod Month actual WTI Price</b> )
Post-Payout Gross Royalty:	5.92677% (based on the <b>average WTI price for Prod Year</b> )
Post-Payout Net Royalty % Factor (NRPF):	34.23769% (based on the <b>average WTI price for Prod Year</b> )

### WTI Prices and Exchange Rates

Month		WTI Price USD\$	Exchange Rate	
Jan 2012	Act	\$98.58	0.98691167	
Feb 2012	Act	\$100.32	1.00348352	
Mar 2012	Act	\$102.26	1.00618345	
Apr 2012	Act	\$106.21	1.00742472	
May 2012	Act	\$103.35	0.99025499	
Jun 2012	Act	\$94.72	0.97269506	
Jul 2012	Act	\$82.41	0.98625814	
Aug 2012	Act	\$87.93	1.00792135	
Sep 2012	Act	\$94.16	1.02218683	
Oct 2012	Act	\$94.56	1.01296130	
<b>Nov 2012</b>	<b>Act</b>	<b>\$89.57</b>	<b>1.00296112</b>	<b>= \$89.31 (CAD\$)</b>
Dec 2012	Est	\$86.73	1.00500000	
<b>Average</b>		<b>\$95.07</b>	<b>1.00035351</b>	<b>= \$95.03 (CAD\$)</b>

### Gross Royalty Formula

Minimum Royalty Rate:	$R_G\% = 1\% \text{ for } W \leq L$
Maximum Royalty Rate:	$R_G\% = 9\% \text{ for } W \geq H$
Price Sensitive Royalty Rate:	$R_G\% = [1\% + (W - L) * F_G] \text{ for } L < W < H$

### Net Royalty % Factor (NRPF)

Minimum Royalty % Factor:	$NRPF = 25\% \text{ for } W \leq L$
Maximum Royalty % Factor:	$NRPF = 40\% \text{ for } W \geq H$
Price Sensitive % Factor:	$NRPF = [25\% + (W - L) * F_N] \text{ for } L < W < H$

W = WTI Price CAD\$

L = CAD\$55/bbl

H = CAD\$120/bbl

$F_G = 8\%/\$65$  per barrel increase in W (straight line relation)

$F_N = 15\%/\$65$  per barrel increase in W (straight line relation)

**Note: Formulas are the working level representation of the legal version that is in OSRR2009**