



# TRIMBLE ENGINEERING ASSOCIATES LTD.

## PRODUCT PRICE FORECAST Including Operating and Capital Cost Escalation Factors (10) Effective JULY 1, 2013

YEAR	Exchange Rate US\$/ CDN\$	OIL (1)						GAS (7)			Cond. (1) CDN\$/ bbl	But. (8) CDN\$/ bbl	Prop. (8) CDN\$/ bbl	Sulph. (9) CDN\$/ lt
		WTI @ Cushing US\$/ bbl	Edmonton Light (2) CDN\$/ bbl	Hardisty Bow Riv (3) CDN\$/ bbl	WCS (4) CDN\$/ bbl	Hardisty Heavy (5) CDN\$/ bbl	Cromer Midale (6) CDN\$/ bbl	Henry Hub US\$/ MMbtu	AECO Spot CDN\$/ MMbtu	B.C. Spot CDN\$/ MMbtu				
2004 Actual	0.77	41.40	52.96	36.86	N/A	29.11	45.75	6.14	6.73	6.53	54.07	39.97	34.70	N/A
2005 Actual	0.83	56.53	69.74	45.62	N/A	34.35	57.58	8.62	8.47	8.53	69.43	52.78	43.34	N/A
2006 Actual	0.88	66.05	73.66	51.90	N/A	43.37	62.27	7.23	6.93	6.33	75.01	60.36	44.07	N/A
2007 Actual	0.94	72.33	77.77	53.87	N/A	44.72	67.10	6.86	6.61	6.12	77.30	63.47	49.60	N/A
2008 Actual	0.94	99.59	103.26	83.90	N/A	76.35	93.13	9.02	8.13	8.12	104.70	75.09	58.64	N/A
2009 Actual	0.88	61.63	66.75	59.80	59.80	55.65	63.42	4.21	4.14	4.05	68.38	47.67	38.29	N/A
2010 Actual	0.97	79.43	78.04	68.18	68.18	62.30	73.79	4.49	4.13	3.93	84.21	68.15	46.62	N/A
2011 Actual	1.01	95.00	95.69	78.42	77.12	69.09	88.36	4.28	3.68	3.37	104.12	77.43	58.75	N/A
2012 Actual	1.00	94.19	86.76	74.41	73.10	65.00	80.36	2.81	2.40	2.37	100.76	75.52	30.83	N/A
2013 Actual (6 mo.)	0.99	94.32	90.86	71.28	68.16	59.40	81.34	3.68	3.34	3.24	105.90	74.39	33.31	N/A
<b>2013 Forecast (6 mo.)</b>	<b>1.00</b>	<b>94.00</b>	<b>92.00</b>	<b>76.00</b>	<b>74.00</b>	<b>66.00</b>	<b>85.00</b>	<b>3.90</b>	<b>3.50</b>	<b>3.40</b>	<b>104.00</b>	<b>73.50</b>	<b>35.00</b>	<b>80.00</b>
2014 Forecast	1.00	94.00	93.00	78.00	76.00	68.00	86.00	4.20	3.80	3.70	104.00	74.50	40.00	80.00
2015 Forecast	1.00	95.00	94.00	79.00	78.00	70.00	87.00	4.60	4.20	4.10	104.00	75.25	45.00	80.00
2016 Forecast	1.00	96.00	95.00	80.00	79.00	71.00	88.00	5.00	4.60	4.50	104.00	76.00	50.00	80.00
2017 Forecast	1.00	97.00	96.00	81.00	80.00	72.00	89.00	5.40	5.00	4.90	104.00	76.75	55.00	80.00
2018 Forecast	1.00	99.00	98.00	83.00	82.00	74.00	91.00	5.80	5.40	5.30	104.00	78.50	58.75	80.00
2019 Forecast	1.00	101.00	100.00	85.00	84.00	76.00	93.00	5.90	5.50	5.40	105.00	80.00	60.00	80.00

Prices escalating at 2.0 percent annually thereafter.

### NOTES:

- (1) Oil and Condensate subject to quality differentials and transportation.
- (2) Light oil prices for 40.0 degrees API, 0.3% sulphur at Edmonton (Light Sweet Crude).
- (3) Bow River Blend at Hardisty oil prices for 20-24 degrees API (Medium Sour Crude).
- (4) Western Canada Select prices at Hardisty (Heavy Sour Crude).
- (5) Heavy oil prices for 12 degrees API at Hardisty (Heavy Sour Crude).
- (6) Medium oil prices for Midale at Cromer (Medium Sour Crude).
- (7) Alberta gas prices are quoted at AECO (NOVA Inventory Transfer - NIT), B.C gas prices at Station #2.
- (8) Alberta reference price.
- (9) Sulphur price is plant gate Alberta.
- (10) Operating & capital costs are forecast to escalate at 2.0% beyond the first forecast year.