Modernized Royalty Framework: Formulas Natural Gas (Methane) and Ethane For wells spud on or after January 1, 2017

R% = Price Component (r_p) + Quantity Adjustment (r_q)

R% has a minimum of 5% and maximum of 36%

Royalty Parameters		
	Price (C\$/GJ)	% Change (%/\$/GJ)
P1	2.40	6.00000%
P2	3.00	4.25000%
P3	6.75	2.25000%

Price Component (r _p)		
Price (\$/GJ)	r _p	
PP<=2.40	5%	
2.40 <pp<=3.00< td=""><td>((PP-2.40)*0.06000+0.05000)*100</td></pp<=3.00<>	((PP-2.40)*0.06000+0.05000)*100	
3.00 <pp<=6.75< td=""><td>((PP-3.00)*0.04250+0.08600)*100</td></pp<=6.75<>	((PP-3.00)*0.04250+0.08600)*100	
PP>6.75	((PP-6.75)*0.02250+0.24538)*100	
Maximum	36%	

Note: The treatment of the maturity threshold and quantity adjustment for natural gas will be similar to that for oil. Details are being finalized and will be available in the coming weeks.

A well will pay 5% royalty rate until revenue equals $C^{*}($ \$). R% applies once a well's revenues exceed C* (post-C* phase). The minimum royalty rate in the post-C* phase is 5%.