

Undertaking # 2

Musktrat Falls Review Nalcor Undertaking to Provide Estimated Retail Impact of 2017 Carbon Cost

Line	Description		Reference
1	2017 carbon cost (\$000) (Based on \$24/tonne)	32,400	Exhibit 101, p. 66
2	Utility share	86%	Exhibit 27
3	Utility carbon cost (\$000)	27,864	Line 1 x Line 2
4	Island revenue requirement (\$000)	716,838	PUB-Nalcor-5, p. 3
5	Revised Island revenue requirement (\$000)	744,702	Line 3 + Line 4
6	Wholesale energy (GWh)	7,154	PUB-Nalcor-5, p. 3
7	Revised wholesale rate (\$/MWh)	104.10	Line 5 / Line 6
8	Original wholesale rate (\$/MWh)	100.21	PUB-Nalcor-5, p. 3
9	Increase in wholesale rate for carbon cost (\$/MWh)	3.89	Line 7 - Line 8
10	Percentage change in wholesale rate	3.9%	Line 9 / Line 8
11	Pass-through percentage	66.8%	PUB-Nalcor-5, p. 3
12	Retail impact	2.6%	Line 10 x Line 11
13	Original retail 2016 rate (cents/kWh)	15.42	PUB-Nalcor-5, p. 3
14	Carbon impact on retail rates (cents/kWh)	0.40	Line 12 x Line 13
15	Average domestic usage (kWh)	18,200	System Planning NLH
16	Estimated retail annual carbon cost per residential customer (\$)	72.78	Line 14 / 100 * Line 15
17	Estimated retail monthly carbon cost per residential customer	\$6/month	Line 16 / 12