

BOARD STAFF INTERROGATORY #4

INTERROGATORY

Ref: Operating Revenues – Average Use
Exhibit C1 / Tab 2 / Schedule 1 / Appendix A / Pages 6-7

Preamble:

In Tables 5 and 6 of Exhibit C1 / Tab 2 / Schedule 1 / Appendix A, Enbridge provided the monthly baseload average use per customer and heatload average use per customer for the Rate 1 and 6 classes.

Question(s):

- a) Please provide the detailed calculation of the monthly baseload average use and heatload average use for each of Rate Classes 1 and 6.

RESPONSE

The calculations of the average monthly baseload and average monthly heatload per customer follow for Rate 1 (Table 1) and Rate 6 (Table 2). Unlike the annual average use forecast methodology which uses regression models, average monthly baseload and heatload values rely on historical monthly profiles of average use.

As detailed at Exhibit C1, Tab 2, Schedule 1, page 15, paragraph 35, summer baseload is calculated as the average total consumption for the months of July and August. The forecasts of summer baseload for Rate 1 and Rate 6 are 55 m³ and 660 m³ respectively for 2018. For all other months, summer baseload is profiled using seasonality factors estimated by load analysis to reflect the seasonal aspect of baseload demand. 2018 seasonality factors are shown at line 1.2 in the tables. The product of the seasonality factors and the summer baseload values per month then determine the average monthly baseload per customer (line 1.3). Average monthly heatload per customer (line 1.4) is calculated by subtracting average monthly baseload per customer from the monthly average use per customer.

Witnesses: R. Cheung
M. Suarez

TABLE 1
 GENERAL SERVICE RATE 1
 2018 BUDGET - AVERAGE BASELOAD AND AVERAGE HEATLOAD PER CUSTOMER

Item.	Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	Col. 9	Col. 10	Col. 11	Col. 12	Col. 13	Notes
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
1.1	400	411	356	259	143	73	56	54	54	86	181	290	2,363	Exhibit C1, Tab 2, Schedule 1, Appendix A, Table 5
1.2	1.2348	1.2343	1.2970	1.2148	1.1812	1.1908	-	-	1.0000	1.0181	1.1337	1.1864		
1.3	68	68	71	67	65	65	56	54	54	56	62	65	751	Summer baseload * seasonality factors (row 1.2)
1.4	332	343	285	193	78	7	0	0	0	30	119	225	1,612	Row 1.1 - Row 1.4

Witnesses: R. Cheung
 M. Suarez

TABLE 2
 GENERAL SERVICE RATE 6
 2018 BUDGET - AVERAGE BASELOAD AND AVERAGE HEATLOAD PER CUSTOMER

Item.	Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	Col. 9	Col. 10	Col. 11	Col. 12	Col. 13	Notes
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
1.1	4,319	5,144	4,374	3,198	1,881	935	668	652	659	1,066	2,293	3,467	28,656	Exhibit C1, Tab 2, Schedule 1, Appendix A, Table 6
1.3	1.7333	1.9243	1.7730	1.4823	1.3782	1.2740	-	-	1.0000	1.0085	1.3926	1.6331		
1.3	1,145	1,271	1,171	979	910	841	668	652	659	666	920	1,078	10,959	Summer baseload * seasonality factors (row 1.2)
1.4	3,174	3,873	3,203	2,220	971	94	0	0	0	400	1,373	2,389	17,697	Row 1.1 - Row 1.4

Witnesses: R. Cheung
 M. Suarez