

ENBRIDGE GAS DISTRIBUTION INC. AND UNION GAS LIMITED

Undertaking of Mr. Kitchen
To Mr. St. Louis

REF: Tr.2 p121

To advise how many years of data is actually metered for the calculation.

Response:

The regression analysis incorporates one winter's daily metered data to determine a contract rate customer's design day demand. Union calculates design day demand for system planning purposes on an annual basis using the previous winter's (November 1 to March 31) actual measured demand along with the corresponding heating degree days. This data is extrapolated to design day weather conditions to ensure reliable service to the customer. The analysis is completed each year to ensure that customer data is as up to date as possible. In the case of the Kitchener Utilities this would take into account new customer growth, plant additions or closures, energy efficiency, etc.

The design day demand from the winter of 2010/2011 was used for purposes of Union's 2013 cost allocation study.

Table 1 shows the highest daily measured volume for Kitchener Utilities and the corresponding Heating Degree Day for the past 10 years. Please note that some of the highest usage days fall on a weekend and do not represent maximum volumes. The design day demand is also shown for comparison, which is based on a regression analysis at a 43.1 degree day¹.

¹ Union updated the Union South design day standard from a 44 degree day to a 43.1 degree day starting in the winter of 2013/2014 in accordance with the Sussex Economic Advisors report, filed as part of Union's 2012 Deferral Account proceeding (EB-2013-0202).

Table 1
Kitchener Utilities Highest Daily Measured Volume in Each Year for the Past 10 Years

Line No.	Winter	Date	Day of Week	Measured Volume (10 ³ m ³ /day)	Heating Degree Day (Celsius)	Design Day Demand (10 ³ m ³ /day)
	(a)	(b)	(c)	(d)	(e)	(f)
1	2016/2017	06-Jan-17	Fri	1,838	31.3	2,498
2	2015/2016	13-Feb-16	Sat	2,062	36.8	2,453
3	2014/2015	15-Feb-15	Sun	2,208	43.1	2,448
4	2013/2014	07-Jan-14	Tue	2,256	38.8	2,504
5	2012/2013	24-Jan-13	Thu	1,939	32.0	2,544
6	2011/2012	03-Jan-12	Tue	1,832	30.9	N/A (1)
7	2010/2011	10-Feb-11	Thu	1,863	32.1	2,511 (2)
8	2009/2010	29-Jan-10	Fri	1,850	32.5	2,627
9	2008/2009	16-Jan-09	Fri	2,050	36.8	2,500
10	2007/2008	10-Feb-08	Sun	2,015	37.9	2,530

Note:

- (1) Design day demand analysis not calculated for the winter of 2011/2012.
- (2) Winter of 2010/2011 design day demand used for purposes of Union's 2013 cost allocation study.