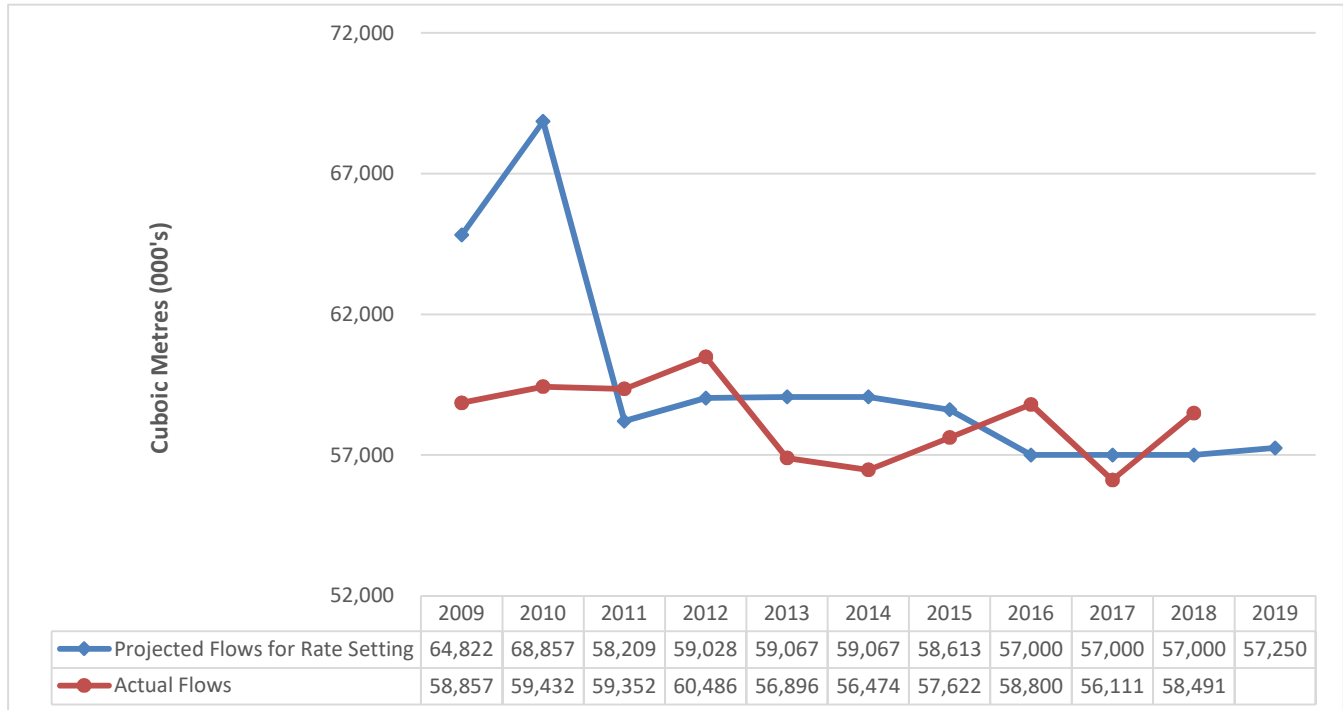


Appendix II - Water Volume Analysis



The 2018 actual flows are estimate to finish the year approximately 2.67% higher than project flows.

The water volume forecast for 2019 has been prepared giving consideration to historical trends and input received from some local area municipalities. the forecasted water usage in 2018 totalled approximately 58,520 ML.

The volume forecast for 2019 is below the 3-year average of 57,810 ML and 5-year average of 57,505 ML. This includes 2014 which was cool and wet compared to normal and 2015 which was a more typical summer weather year. 2016 experienced drought conditions during the summer and 2017 has experienced a very wet summer. The 2019 estimate reflects a slight increase over previous year's projections as a result of current growth trends within Niagara.