

Manitoba Hydro 2017/18 & 2018/19 General Rate Application

Exhibit MIPUG-29
February 1, 2018

Subject to Check - Transcript pages 6298 – 6302; pages 6323-6324

Mr. Bowman took, subject to check, a comparison of the 2013 electric load forecast that underpinned development plan 5, with level 2 DSM to the 2017 load forecast, net of DSM, with a difference of 1,800 GWh in 2027 (page 6298-6299) also that with a 3.95% scenario, the load forecast is still down compared to NFAT (page 6323-6324)

Response:

Mr. Bowman notes that between the 2013 NFAT load forecast and the 2017 load forecast, looking to the year 2026/27, there was a decrease of 1,722 GW.h (7.1%) as shown in the attached table.

Of this amount, approximately 5.3% is calculated to arise due to the assumed 5 years of 7.9% increases as compared to the rate increases for those years assumed for the 2013 NFAT forecast. Absent this rate effect, the load forecast decrease would be approximately 1.8%. Some portion of this decrease would also be due to increased assumed DSM activities.

Table 1: 2017 Load Forecast Comparison to 2013 Load Forecast Comparison and Impact of Elasticities (GWh)

2017 Load Forecast	2026/27
General Consumers Sales (GWh) - PUB-MFR-65 pg. 7	24,752
2016 DSM Plan, Plan Impacts (at meter), COALITION/MH I-48a Attachments pg. 3 of 3	2,527
Less 2016/17 Annual Actual DSM Impacts (at meter) COALITION/MH I-48a	255
Net Power Smart Plan Savings (at meter)	2,272
Net General Consumer Sales (GWh) 2026/27	22,480
NFAT Update 2013 Load Forecast	
General Consumer Sales (GWh) - Appendix D of NFAT Review, page 7	26,513
2014-17 PowerSmart Plan Impacts (at meter), pg. 56 of 86 (Appendix 8.1 in 2015/16 GRA)	2,311
Net Power Smart Plan Savings (at meter)	2,311
Net General Consumer Sales (GWh) 2026/27	24,202
Difference (GWh)	(1,722)
Percentage Difference	-7.1%
Approximate Price Elasticity Effect Differential between 7.9% Rate Plan and NFAT Rate Plan	
Rate Differential (7.9% less 3.95%)	3.95%
# of Years Impact	5
Using 0.27 Price Elasticity for Gross Firm Energy from PUB-MFR-65, pg. 57	-0.27
Load Forecast Percentage Change from Elasticity	-5.3%
Approximate load reduction portion not related to elasticity	-1.8%