

From: [RogerBryenton](#)
To: [Commission Secretary BCUC:EX](#); [Minister, EMPR EMPR:EX](#)
Subject: BCUC Site C Review - Appendix A - 3 to Roger Bryenton Submission
Date: Thursday, August 17, 2017 2:50:42 PM
Attachments: [Forecast-vs-Actual-Aug-2017-Chart.xlsx](#)

Dear BCUC and Minister Mungall

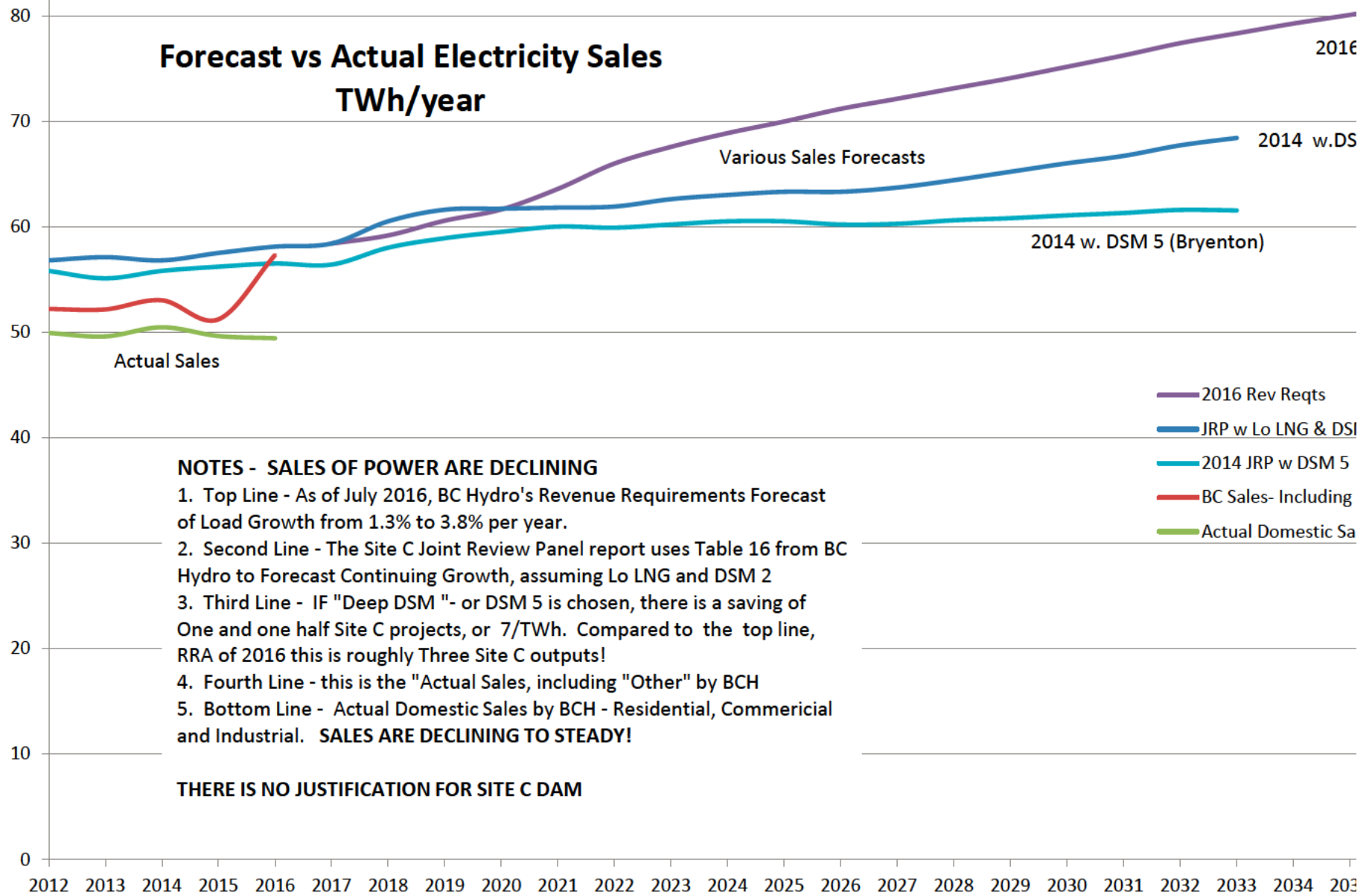
Attached is a chart compiled from BC Hydro data, from the 2016 Revenue Requirements, the Joint Review Panel of Site C - using 2012 data, and from BC Hydro's Annual Reports. It is worth noting that "Forecasts" of electricity requirements continue to far exceed kilowatt hour sales of power. The second noteworthy aspect is that actual domestic kWh sales have been essentially flat from 2012 through 2016, sales which do not include BC Hydro's "Other sales", included in domestic sales possibly to increase the apparent "domestic" category.

Thank you

Sincerely, Roger Bryenton, P. Eng. (former), MBA
Energy Systems Consultant [REDACTED]

[REDACTED]

Forecast vs Actual Electricity Sales TWh/year



NOTES - SALES OF POWER ARE DECLINING

1. Top Line - As of July 2016, BC Hydro's Revenue Requirements Forecast of Load Growth from 1.3% to 3.8% per year.
2. Second Line - The Site C Joint Review Panel report uses Table 16 from BC Hydro to Forecast Continuing Growth, assuming Lo LNG and DSM 2
3. Third Line - IF "Deep DSM "- or DSM 5 is chosen, there is a saving of One and one half Site C projects, or 7/TWh. Compared to the top line, RRA of 2016 this is roughly Three Site C outputs!
4. Fourth Line - this is the "Actual Sales, including "Other" by BCH
5. Bottom Line - Actual Domestic Sales by BCH - Residential, Commercial and Industrial. **SALES ARE DECLINING TO STEADY!**

THERE IS NO JUSTIFICATION FOR SITE C DAM

- 2016 Rev Reqs
- JRP w Lo LNG & DSM 2
- 2014 JRP w DSM 5
- BC Sales- Including Other
- Actual Domestic Sales