



June 15, 2017

Patrick Sackville
Lead, Policy and Government Relations
Ontario Society of Professional Engineers

Subject: **Electricity System Curtailment Analysis for 2016**

Below is the curtailment analysis for the 2016 calendar year that you wanted for energy advocacy purposes. I have also included the data for 2015 for comparison purposes.

Regards,

A handwritten signature in black ink that reads 'Paul Acchione'.

Paul N. Acchione, P. Eng., FCAE
Member – OSPE Energy Task Force

Summary of Curtailment Data:

Source of Curtailment	2015	2016	Change
Hydroelectric facilities (OPG data)	3.2 TWh	4.7 TWh	+ 48%
Wind facilities (IESO Data)	0.7 TWh	2.2 TWh	+ 214%
Nuclear facilities (IESO data)	0.9 TWh	0.7 TWh	- 22%
Total Curtailment	4.8 TWh	7.6 TWh	+ 58%

Ministry of Energy data in their Long Term Energy Plans indicates an average home consumes 10 MWh of electricity per year so the 2016 curtailment represented enough wasted clean electricity to power 760,000 average homes for one year.

References: IESO Year-End Data Reports for 2015 and 2016
OPG Annual Financial Reports for 2015 and 2016
Ministry of Energy, 2010 LTEP page 20, 2013 LTEP page 34.