

Pollution Probe INTERROGATORY #19 List 2

Interrogatory

Issue Number: 1.0

Issue: Project Need and Justification

Ref B/Tab 6/Sch 5, Appendix 6, IPSP Discussion Paper #7, Integrating the Elements, page 162, Table 10.1

- a) Please provide detailed, year-by year breakdowns of the specific resources that comprise the “Existing Nuclear”, “Refurbished Nuclear” and “New Nuclear” resources listed in Table 10.1.
- b) Please provide detailed, year-by year breakdowns of the specific resources that comprise each of the remaining categories of resources listed in Table 10.1.
- c) Please confirm that Hydro One uses the resources projection values in Tables 10.1 and 10.2 in determining need for the proposed transmission circuits.
- d) For both of responses to a) and b), please provide a copy of the data electronically in an MS Excel spreadsheet or other spreadsheet readable format.

Response

- a) Please refer to separate correspondence from Hydro One and the OPA to the Board each dated March 6, 2008. Information used in preparing Table 10.1 figures for the years post 2008 include commercially sensitive and confidential information provided to the OPA by Bruce Power and OPG. The OPA is not entitled to disclose this commercially sensitive confidential information unless it is legally compelled to do so by a Governmental Authority. Aggregated data expressed on a year-by-year basis for “New Nuclear” resources is provided in attachment A, Table 1.

Please also refer to Attachment B, Table 3. This table is filed in redacted form in respect of the Board’s Apr. 7, 2008 Order concerning Generation Forecast Information. Please refer to the OPA’s letter of April 10, 2008 regarding material filed with the Board under the Board’s Practice Direction on Confidential Filings.

- b) A year-by-year summary of resources comprising each of the remaining categories listed in Table 10.1 is provided in attachment A, Table 2.
- c) The results of OPA studies that have considered the need for the Bruce to Milton Project are consistent with the system wide resource projections provided in Tables

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Exhibit C

Tab 2

Schedule 19

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- 1 10.1 and 10.2. For the Bruce area generation forecasts filed in support of this Hydro
2 One application, the OPA used more specific and updated information. This includes:
3 a) increases in the capacity of the Bruce B units by 2013, general timing concerning
4 the refurbishment of the Bruce A units; committed wind capacity including standard
5 offer resources and information on the retirement timing of the Bruce B units (see:
6 Day 1 Technical Conference Presentation Exhibit KT.1 slides 14 to 21; Hydro One
7 responses to Board Staff Interrogatory 1.1, Fallis Interrogatory 14 and 26, Energy
8 Probe Interrogatory 6).
9
10 d) Please see Attachment A, referred to in parts (a) and (b) above.
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Table 1

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
New Nuclear	-	-	-	-	-	-	-	-	-	-	-	700	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400
Total New Nuclear	-	-	-	-	-	-	-	-	-	-	-	700	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400

Table 2

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Existing	Existing Nuclear	11,514	11,514	11,514	10,764	10,764	11,514	10,998	9,966	9,116	7,750	7,750	5,270	3,540	2,660	1,265	1,265	1,265	1,265	1,265	750
	Existing Water	5,958	5,959	5,959	5,959	5,959	5,959	5,959	5,959	5,959	5,959	5,959	5,959	5,959	5,959	5,959	5,959	5,959	5,959	5,959	5,959
	Existing Wind	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
	Existing Biomass	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
	Existing Gas/Oil	4,539	4,539	4,539	4,539	4,539	4,539	4,539	4,539	4,539	4,539	4,539	4,539	4,539	4,539	4,539	4,539	4,539	4,539	4,539	4,539
	Existing Coal	6,434	6,434	6,434	6,434	4,969	2,987	2,987	2,987	-	-	-	-	-	-	-	-	-	-	-	-
New / Refurbished	New Water	37	139	233	331	416	596	619	753	916	928	939	945	1,468	1,480	1,481	1,482	1,483	1,552	1,553	1,652
	New Wind	15	45	162	267	285	298	298	367	439	511	609	714	802	802	802	802	802	802	802	802
	New Biomass	5	5	5	235	235	235	235	235	637	637	637	637	706	786	786	786	786	786	786	786
	New Solar	-	-	-	-	2	5	15	25	40	40	40	40	40	40	40	40	40	40	40	40
	Conservation	322	785	1,315	1,545	1,811	2,038	2,236	2,407	2,611	2,831	3,074	3,281	3,510	3,756	4,026	4,318	4,633	4,973	5,310	5,706
	New Gas	485	766	3,443	4,279	5,929	5,929	6,515	6,520	6,525	6,535	6,545	6,555	6,595	6,665	6,715	6,765	6,815	6,915	7,015	7,015
	New Storage	-	-	-	-	-	-	-	-	-	-	500	500	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
	New Gasification	-	-	-	-	-	-	-	-	-	-	250	250	250	250	250	250	250	250	250	250
	Refurbished Nuclear	-	-	-	1,500	1,500	1,500	1,500	1,500	2,016	2,016	2,532	3,898	4,748	6,144	7,874	9,604	10,484	10,484	10,484	10,484
	New Nuclear	-	-	-	-	-	-	-	-	-	-	700	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400
	Interconnection	800	950	500	500	500	500	500	500	500	500	500	500	500	550	500	500	500	500	500	500
Total Effective		30,229	31,255	34,223	36,473	37,010	36,207	36,520	35,808	33,345	32,293	33,145	33,802	34,519	36,072	36,758	38,830	40,076	40,585	41,023	41,518

Table 3 - Breakdown of "Existing Nuclear", "Refurbished Nuclear" and "New Nuclear" of Table 10.1 and Figure 2.15 of Discussion Paper 7 (REDACTED)

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