Environmental Defence Interrogatory #18

Interrogatory

Reference:
F2-1-1, Attachment 7

Questions:

Over 2020 to 2026, please provide the best current estimate of:

(a) Pickering's total installed capacity (MW);
(b) Pickering's available capacity (MW) at the time of Ontario's peak annual demand;
(c) Pickering's generation (MWh);
(d) The avoided generation (MWh), by fuel type, as a result of Pickering's extended operation;
(e) Pickering's rolling average forced loss rate;
(f) The installed capacity (MW) of the replacement peaking generation capacity;
(g) The available capacity (MW) of the replacement peaking generation capacity at the time of Ontario's peak annual demand;
(h) Pickering's fuel and operating cost per kWh;
(i) Pickering's incremental capital expenditures to permit its extension;
(j) Ontario's carbon price; and
(k) Ontario's incremental peaking requirements (MW) to meet the NPCC resource adequacy criterion if Pickering is not extended.

Response

(a), (c), (e), (h) and (i)

Please refer to Chart 1 below:

Chart 1

	Metric	Pickering Actual	Pickering Annual Targets				
		2020	2021	2022	2023	2024	2025
(a)	Total Installed Capacity (MW)	3244	3244	3244	3244	3244	2160
(c)	Generation TWh	20.53	21.4	19.8	21.2	21.4	16.6
(e)	Rolling average forced loss rate*	2.13	3.08	3.50	3.50	3.50	3.50
(h)	Fuel and Operating Costs	Refer to Ex. L-F2-01-Staff-196					
(i)	Incremental Capital Expenditure	There are no incremental capital expenditures planned to permit Pickering to operate to 2024/2025.					

* This is a two-year rolling average forced loss rate ("FLR"). The 2020 rolling average FLR is based on the 2019 and 2020 actual FLR.
The 2021 rolling average FLR is based on 2020 actuals and 2021 target FLR.
For the years 2022 to 2025, the rolling average FLR rate is based on the Business Plan targets.

(b), (d), (f), (g), (j) and (k)

See Ex. L-F2-01-Environmental Defence-10, part c).