Board Staff Interrogatory #135

Interrogatory

Reference:
Exhibit D2 / Tab 2 / Schedule 5 / p. 6

Preamble:

The reference describes changes between the Release Quality Estimate (RQE) / Unit 2 Execution Estimate (U2EE) refurbishment schedule and the final Unit 3 Execution Estimate (U3EE) refurbishment schedule.

Question(s):

a) Please provide a visual or tabular comparison of the RQE / U2EE schedule and the U3EE schedule. Please include an indication of changes to the schedule that resulted from the COVID-19 pandemic.

Response

a) A tabular comparison of the RQE / U2EE and the U3EE Program schedule is provided in the chart below.

Chart 1

Unit	U2EE Schedule		U3EE Schedule		Deferral for COVID-19 (mths)[3]
	Start	Finish	Start	Finish	
U2	Oct-2016	Feb-2020	15-Oct-2016[1]	4-Jun-2020[1]	N/A
U3	Feb-2020	Jun-2023	3-Sep-2020[2]	Jan-2024	4
U1	Jul-2021	Sep-2024	Feb-2022	Apr-2025	4
U4	Jan-2023	Feb-2026	Sep-2023	Oct-2026	4
All Units	**Oct-2016**	**Feb-2026**	**15-Oct-2016**	**Oct-2026**	

Notes:
1. Actual start and finish dates of the Unit 2 refurbishment outage.
2. Actual start date of the Unit 3 refurbishment outage.
3. Deferral for COVID-19 are versus the schedule in place just prior to the deferrals.

As set out in EB-2016-0152, Ex. L-4.3-8 GEC-010, the only significant change to the Program schedule from RQE to the U2EE was the un-lapping of the beginning of the Unit 3 refurbishment outage from the end of the Unit 2 refurbishment outage, to be consistent with the Province's requirement to complete Unit 2 prior to commencing any subsequent units. An un-lapped schedule was reflected in OPG's 2016-2018 Business Plan, and by extension, in EB-2016-0152.

As indicated in Chart 1, there was a 4-month deferral of the starts of each of the Remaining Units' refurbishment outages as a result of OPG's decision in response to the COVID-19 pandemic.[1] Prior to that deferral, the expected start dates of Units 3, 1, and 4 were May 2020, October 2021, and May 2023, respectively.

There were no changes to high confidence refurbishment outage durations of Units 3, 1, and 4 as a result of the deferrals of the start dates. These remained at 40 months, 38 months and 37 months for Units 3, 1, and 4 respectively.

[1] As a result of the deferred DRP schedule, OPG moved a Nuclear outage from 2020 to 2021 and also added a regular planned outage in 2021 to support Unit 4 operation until its start of refurbishment. See Ex. E2-1-2 for further discussion.