Board Staff Interrogatory #189

Interrogatory

Reference:
Exhibit E2 / Tab 1 / Schedule 1 / p. 10

Preamble:

OPG stated that Darlington NGS Unit 2 will have a 190.1 day planned outage in 2025 to install turbine generator controls. OPG stated that the installation of turbine generator controls was excluded from Unit 2 refurbishment scope to mitigate risk.

Question(s):

a) Please comment on why OPG proposed the 190.1 day planned outage in 2025. How is the timing of this outage coordinated with OPG's nuclear production optimization efforts?

b) Please estimate the production loss associated with this outage.

Response

a) The Unit 2 TG controls outage is scheduled in 2025 based on the requirement for a planned outage to do this work. This timing is reflective of the fact that the installation of turbine generator controls will take place on Darlington Units 3, 1 and 4 while they are undergoing refurbishment. As discussed in Ex. L-E2-01-OAPPA-03, OPG is unable to conduct TG controls installations on more than one unit at a time.

   In addition, the placement of the Unit 2 TG controls outage occurs before Pickering Units 5-8 reach end of commercial operations such that these units are available to supply the electricity grid.

   Furthermore, the outage has been scheduled with a view to foster continuous improvement and leverage learnings from preceding refurbishment installations; similar work in refurbishment units is expected to take 15 months.

b) The forecast production impact associated with this 190.1d outage is a loss of approximately 4.0 TWh.