AMPCO Interrogatory #156

Interrogatory

Reference: Ex A2-2-1 Attachment #1 P10

The evidence states:

"OPG expects SMRs to be a key element of the energy sector, and the Province's, efforts to support decarbonization. As Canada's largest nuclear operator with extensive experience and a strong safety record, OPG is well-positioned to advance and secure acceptance of both grid-scale and off-grid SMRs across Canada and beyond. To that end, in 2020, OPG formed a joint venture with Ultra Safe Nuclear Corporation and the Global First Power, with the goal of developing a proposed Micro Modular Reactor™ SMR at the Chalk River Laboratories site. The joint venture is the first commercial partnership on the development of an SMR in Canada and can serve as a model for future off-grid SMR projects. The plan allocates noncapital expenditures of•••• toward OPG's portion of funding for this demonstrator reactor.

Additionally, OPG is progressing preliminary planning phase work for grid-scale SMR development in Ontario and the renewal of the site preparation licence for the Darlington New Nuclear site, which can accommodate SMRs. In collaboration with other major utilities, OPG recently concluded a due diligence process and is working to advance engineering and design work with three grid-scale SMR developers. Subject to the OEB's approval, the preliminary planning phase costs are recoverable in the future through an authorized regulatory account. Prior to finalizing plans to proceed with grid-scale SMR development beyond the preliminary planning phase, OPG will seek approval from the Board and concurrence from the Province. The plan does not reflect project development expenditures or resource requirements beyond the preliminary planning phase".

a) Are any costs related to the joint venture included in this application? If yes, please provide details of the costs.

b) Please provide details of the due diligence process. Please identify the other major utilities OPG collaborated with.

c) Please identify the three grid-scale SMR developers.

d) Has OPG entered into any agreements with the three grid-scale SMR developers? If yes, please provide details.

Response

a) There are no costs related to the joint venture included in this application.

b) See Ex. F2-8-1, pp. 3-4 regarding OPG's technology developer selection process. The names of the major utilities that OPG collaborated with are not relevant for this proceeding (see Ex. F2-08-AMPCO-159).

c) The three grid scale SMR developers are GE Hitachi, Terrestrial Energy, and X-energy.

d) See Ex. F2-08-AMPCO-159.