

REF: Exhibit C, Tab 3 and Exhibit I.FRPO.7

Preamble: As was set out in our request for discovery, our main area of interest is information surrounding alternatives considered and the cost of those alternatives. We respect that some of the data we are seeking require results from a simulation and thus are advancing specific questions, well ahead of the deadline for topics. We believe the most efficient and effective approach is seeking the output a few simple scenarios using the existing and future (with attachments through 2029) simulations that were prepared for the project. From our experience, the simulation runs and recording the results should take hours not days allowing communication of the results prior to the Technical Conference.

- 1) Working from Windsor Line system as depicted in FRPO.7,
 - a) please provide the design day hourly load
 - i) flowing east of Tilbury S. Station
 - (1) currently
 - (2) in 2029 based upon attachments evidenced in Appendix 2
 - ii) for the two small distribution stations between Comber Gate and Tilbury S.
 - (1) currently
 - (2) in 2029 based upon attachments evidenced in Appendix 2
 - iii) please provide the distance
 - (1) from the T north of Comber Transmission to the Comber Gate
 - (2) from Comber Gate to Tilbury S.
 - (3) from Tilbury S. to Port Alma

- 2) In tabular presentation as outlined below, please provide the results of the peak day simulations for the current design day loads and those of 2029 (as above) with Comber Transmission set to 3450 kPa for each of the following scenarios:
 - a) Scenario 1: The proposed design from the application (i.e. all NPS 6)
 - b) Scenario 2: Keeping NPS 6 west of the T north of Comber, using NPS 4 east of the T to Port Alma
 - c) Scenario 3: Keeping NPS 6 west of the T, using NPS 4 to Tilbury S. and reducing to NPS 2 east of Tilbury S. to Port Alma

Station	Minimum Inlet (kPa)	Scenario #		Minimum Inlet Surplus Capacity * (m3/hr)
		2020/21 Design Day Inlet Pressure (kPa)	2029/30 Design Day Inlet Pressure (kPa)	
Comber Gate				
Tilbury S.				
Port Alma				

* Surplus Capacity available at Station in 2030 while respecting min. inlet

- 3) For each of the above scenarios, please indicate if the scenario meets the appropriate design criteria and, if not, why not.

Preamble: We are interested in understanding better the difference in cost associated with different sizes of HP Steel pipe constructed in rural areas.

- 4) Over the last 10 years, for projects that installed, or have Board approval to be installed, over 5 km of High Pressure Steel pipe from NPS 2 to NPS 6, please provide the following data:

Project Name	OEB Proceeding (if applicable)	Forecast Cost	Actual Cost	New or Replacement	Size	Length	Unit Cost
		(\$)	(\$)		(NPS)	(km)	(\$/km)

- a) For each of the above projects, please breakdown the costs in the same format as Exhibit C, Tab 4, Schedule 1