Q. Reference: Energy Supply Risk Assessment Update, November 30, 2016, page 29, footnote 21. Hydro indicates that the trend of Newfoundland Power's load forecasts "are supported by Hydro's own internal forecast models for this service territory". Please provide details on the Hydro models referred to and the data from those models that support the cited trend.

A. Both Hydro and Newfoundland Power maintain load forecast models and prepare load forecasts for the Newfoundland Power service territory. Hydro's load forecast models are statistical based models employed by Hydro for forecasting long term annual demand and energy requirements to meet the long term planning requirements for the Island Interconnected System. The retail customer load portion of Hydro's load forecast model is conditioned by provincial economic forecasts prepared by the provincial government and by electricity price forecasts prepared by Hydro.

Newfoundland Power's forecast of winter peak demand requirements for the Newfoundland Power service territory are a function of forecast annual energy requirements for its service territory and are derived through the application of a weather normalized system load factor.

The following table provides Hydro's forecasted total energy requirements for the Newfoundland Power service territory as forecast by Hydro in the Spring of 2016 and which indicates no load growth for the 2017 through 2021 period.

Hydro's Forecast Energy Requirements for
Newfoundland Power Service Territory
2016 - 2021

YEAR	TOTAL PRODUCED & PURCHASED ENERGY	
	GWh	% Change
2016	6,366.7	-
2017	6,314.8	-0.8%
2018	6,251.5	-1.0%
2019	6,202.7	-0.8%
2020	6,204.6	0.0%
2021	6,122.6	-1.3%

Please see Hydro's response to PUB-NLH-626 that provides Newfoundland Power's own forecast of total produced and purchased energy requirements for the 2016 through 2021 period which also indicates little or no growth during this time frame. It is based on these independently produced energy forecasts for the service territory of Newfoundland Power that Hydro concludes that the trend of Newfoundland Power's load forecast is supported by Hydro's own internal forecast models for this service territory.