

Cheryl Mosher

From: randjking@pei.sympatico.ca
Sent: Wednesday, February 6, 2019 4:10 PM
To: Roberts, Jason
Cc: Cheryl Mosher
Subject: November 29 2018 Storm and Restoration Report

Hello Jason: I have just reviewed your report published by IRAC recently and must commend the MECL staff not only in their responsiveness during the November power outage but also on the clarity of the "Post Mortem" report. It appears that there were a number of lessons learned from this almost "perfect storm" situation and in that mode of learning I would appreciate your responses to my questions below:

- 1) During the 8:58 to 13:46 period when all Memramcook supply was not available to PEI, what was the Memramcook local service areas supply situation?
Was there proportional curtailment?
- 2) As the catalyst for the SAIDI of 15+hours was the NB Power supply interruption, what is the PPA contractual obligation of NB Power for power recovery response times?
- 3) Is a future assumption that in the event of an NB Power supply loss, the reinstatement of Cables 3 and 4 will take around 2 hours and reinstatement of cables 1 and 2 will take 12 to 20 hours once NB Power supply returns? If not what typical re-connection times should be expected for all 4 cables?
- 4) The wind farms' voltage support appears to be dependent on the NB Power supply; could CT2 and CT3 be used more effectively in providing this voltage support as a priority application during transmission and distribution failures?
- 5) In addition to the December modifications to CT3's voltage protection are there any other opportunities to ensure that the start-up times and reliability of both CT2 and CT3 are improved?
- 6) The report suggests that repair of the transmission lines took up to 30 hours. If so why was this?
- 7) While a record social media interaction occurred during this outage there appeared to be little MECL emphasis upon how customers' reduced use or priority use of electricity might assist the activities of the repair crews. Should standard customer procedures be added to the communication protocol?
- 8) As the NB Power supply interruption was one root cause of the duration of the outages, could an estimate of the likely changes to the "Customer Restoration" table be provided assuming that the NB Power supply had remained uninterrupted?

As a suggestion rather than another question, I think a summary of your report posted on the MECL web site should be a very worthwhile "education" piece for your customers, perhaps even linked with my point #7 on the ways we customers can all help during outage situations.

Tx - Roger King