

**Investigation and Hearing into Supply Issues and Power Outages
on the Island Interconnected System - Phase Two**

**List of Issues
May 3, 2017**

	Issues	Reference
1.	Status of commercial arrangements for the transmission of power.	NP-NLH-158
2.	Status of emergency assistance and reserve sharing commercial arrangements with Nova Scotia and New Brunswick.	
3.	Determination of the need for backup capacity to mitigate the extended bipole outage scenario and for loss of or reduction in MF supply.	Liberty, page 84
4.	Preparation of emergency response plans for LIL outages including multiple tower failures in remote areas.	Liberty Rec. VI-11
5.	Status of support agreements for the LIL.	
6.	Updated post-MF ESRA, including identification of timing and requirements for additional generation on the IIS.	
7.	Options, such as operating limits, to reduce incidents of UFLS.	Liberty Rec. IV-9
8.	Status of NERC compliance plan and cost.	Liberty, page 102
9.	Establishment of the Provincial Reliability Framework.	Liberty, page 102
10.	Development of the multi-year reliability compliance program.	Liberty, page 102
11.	Impact of compliance with 0.1 loss of load probability requirement.	
12.	Impact of compliance with requirement to treat bipole trips as N-1.	
13.	Are new synchronous condensers a part of MF-LIL scope or to be treated as unrelated assets for regulatory purposes?	
14.	Establishment of MF-LIL rate review and approval process for Hydro's rates to include supply from MF.	
15.	Status of completion of MATPC emergency assistance and reserve sharing studies.	PUB-NLH-501, 525, 593 and Liberty, page 103
16.	Determination of future planning criteria, UFLS settings, guidelines and procedures.	PUB-NLH-527
17.	Status of new operational procedures and associated system studies.	Liberty, page 71
18.	Consideration of re-strikes on the LIL OHL.	Liberty, page 29
19.	Completion of LIL-ML interaction studies.	Liberty, page 30
20.	Voltage control questions associated with the availability of recall power.	Pending PUB RFIs

21.	Completion of studies to determine solutions to Bay d’Espoir instabilities.	PUB-NLH-511, 564
22.	Completion of ML frequency controller study.	PUB-NLH-521
23.	Definition of the role, use and potential need for corrections to the Teshmont analysis.	Liberty, page 76
24.	Studies of the performance of the IIS with the ML in service and with it out of service.	Liberty Rec. III-3
25.	Site for 4th high inertia synchronous condenser near Soldiers Pond.	Liberty Rec. IV-5
26.	Implications for reliability of any OHL design issues including towers, including weather criteria, lack of design criteria, use of guyed-vee structures, use of non-standard conductors and ground clearances.	
27.	Current integrated transition schedule and reporting on transition team progress versus the integrated schedule.	Liberty Rec. VI-1
28.	Status of re-assessment of transition team staffing, including adequacy, pace of filling positions and plans for new hires.	Liberty Rec. VI-3, 4, 5
29.	What further actions are necessary to resolve the organizational capability question?	Liberty Rec. VI-7
30.	What further actions are necessary to resolve the operational culture issue?	Liberty Rec. VI-8
31.	Recall power-amount available and plans for use as potential source of supply.	
32.	Determination of any back up generation requirements for the Avalon Peninsula.	

Glossary of Acronyms

Abbreviation

Title

ESRA	Energy Supply Risk Assessment
IIS	Island Interconnected System
LIL	Labrador Island Link
MATPC	Maine & Atlantic Technical Planning Committee
MF	Muskkrat Falls
ML	Maritime Link
NERC	North American Electric Reliability Corporation
OHL	Overhead Line
UFLS	Under Frequency Load Shedding