1	Q.	Muskrat Falls to Happy Valley Interconnection, Volume II, Tab 13, Appendix A,
2		Eastern Labrador Transmission System – Planning Report, Section 5, Pages 7 - 19
3		
4		Under Options 1 to 5, terminal station MFATS3 continues to be maintained. For
5		each of the 5 options, please describe the role MFATS3 plays in the Eastern
6		Labrador transmission system, and comment on whether this would change if
7		transmission line L1301 was removed from service.
8		
9		
10	A.	Option 1 – Status Quo (125 MVA Transformer at CF, 67 MVAR Cap Bank and New
11		50 MVA Transformer at HV-GB)
12		The role of MFATS3 in this option is to provide voltage compensation to
13		transmission line L1301 to increase transfer capability to Happy Valley-Goose Bay
14		(HV-GB). Removal of L1301 from service would eliminate the requirement for
15		MFATS3. As L1301 is the primary source of supply in this option, an alternate source
16		of supply for Happy Valley would be required.
17		
18		Option 2 – Muskrat Falls to HV-GB – One Single 138kV Circuit (One New 6km
19		138kV Transmission Section)
20		The role of MFATS3 in this option is to provide voltage compensation to
21		transmission line L1301 to increase transfer capability to HV-GB in the event that
22		the Muskrat Falls supply to HV-GB fails. Removal of L1301 from service would
23		eliminate the requirement for MFATS3.

1	Option 3 – Muskrat Falls to HV-GB – One Single 138kV Circuit (Two New 6km
2	138kV Transmission Sections)
3	The role of MFATS3 in this option is to provide voltage compensation to
4	transmission line L1301 to increase transfer capability to HV-GB in the event that
5	the Muskrat Falls supply to HV-GB fails. Removal of L1301 from service would
6	eliminate the requirement for MFATS3.
7	
8	Option 4 – Muskrat Falls to HV-GB – Two Single 138kV Circuits
9	The role of MFATS3 in this option is to provide voltage compensation to
10	transmission line L1301 to increase transfer capability to HV-GB in the event that
11	the Muskrat Falls supply to HV-GB fails. Removal of L1301 from service would
12	eliminate the requirement for MFATS3.
13	
14	Option 5 – Muskrat Falls to HV-GB – Two Single 138kV Circuits – Two Terminal
15	Stations
16	The role of MFATS3 in this option is to provide voltage compensation to
17	transmission line L1301 to increase transfer capability to HV-GB in the event that
18	the Muskrat Falls supply to HV-GB fails. Removal of L1301 from service would
19	eliminate the requirement forMFATS3.