

1 Q. Consumer Question: A new \$209 Million TL from Bay d'Espoir has been proposed in  
2 Hydro 2012 Capital Budget (see 2012 NLH Capital Budget request to the PUB). In a  
3 July 12, 2011 press release, NLH reports water spills at Bay d'Espoir, Jacksons Arm  
4 and White Bay, Victoria Lake and Victoria River and Upper Salmon, Hinds Lake,  
5 Burnt Pond and White Bear River and Granite Lake. This is water wasted for the  
6 purpose of generating cheap hydro power that could possibly have been used to  
7 replace the expensive oil that was burned at Holyrood. This was not possible  
8 because of the current inadequate TL capacity from Bay d'Espoir to the Avalon.  
9 Could Nalcor provide an analysis showing the potential cost savings and other  
10 positive environmental impacts from burning less fuel at Holyrood as if the new  
11 proposed \$209 Million TL had been built for the in service for 2010- 2011 years?

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14 A. The requested analysis does not assist consideration of the Reference Question, as  
15 planning for the new transmission line would have had to be initiated a number of  
16 years before 2010 in-service, at which time the new line was not needed.  
17 Furthermore, Nalcor's analyses in both the Interconnected and Isolated Island  
18 alternatives assume the new 230 kV line is in place.

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20 Transmission capacity constraints that restrict deliveries to the Avalon Peninsula are  
21 not the only reason why water could be spilled at hydroelectric facilities. If inflows  
22 into the reservoir exceed the storage capacity of the reservoir and the production  
23 capability of the plant, then water will be spilled.

1 The new transmission line is required for the following reasons:

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3 a) In the Isolated Island alternative, it is required to provide capacity to integrate  
4 new renewable sources of generation, such as Island Pond, Portland Creek, and  
5 Round Pond.

6 b) In the Interconnected Island alternative, it is required to maintain system  
7 stability.

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9 These are discussed further in Nalcor's response to PUB-Nalcor-153.