

1 Q. **Re: B-68, Condition Assessment & Life Extension Phase 2 - \$1,215,700 in 2012**
2 Referencing Table 1 at page 7 of Hydro's *Condition Assessment and Life Extension*
3 report, provide a complete and more detailed explanation of the work planned for
4 2012, 2013 and 2014 showing estimates and identifying anything that relates solely
5 to the continued operation for generation purposes?
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8 A. A copy of Table 1 as referenced on page 7 of Hydro's *Condition Assessment and Life*
9 *Extension* report is provided below. Tables 2, 3, and 4 provide a more detailed
10 explanation of the work planned for 2012, 2013, and 2014 showing estimates. The
11 items cable inspection and testing and civil structures are not solely related to
12 generation. All components need to be completed regardless of the plant
13 continuing for the long term as a thermal generating station or a synchronous
14 condensing station in the event that the Labrador Interconnection goes into service
15 in early 2017. In the event that the Labrador Interconnection does proceed, the
16 Holyrood plant will remain on thermal generation standby and exercised annually
17 until 2020. In addition, the plant has to be maintained in reliable condition so that it
18 can provide thermal generation in alignment with its historic operating schedule if
19 required to do so until the plant is decommissioned in 2020. (Please refer to pages
20 18 and 20 under the tab titled *2012 Capital Plan* in the 2012 Application to the
21 Board for additional information.)

Table 1:

High Level Focus Area (\$000's)	2012	2013	2014	Total
1) HEP Inspection & Testing	200	0	0	200
2) HEP Support & Hangars	100	0	0	100
3) Cable Inspection & Testing	50	50	50	150
4) Boilers Inspection & Testing	400	400	400	1,200
5) Civil Structures	50	50	50	150
Total:	800	500	500	1,800

Table 2:

Generating Unit No. 1	2012 (\$000's)
1) HEP Inspection & Testing:	200
a) General mechanical contractor	120,000
b) Scaffolding	25,800
c) Insulation removal & reinstall new	20,200
d) Surface preparation	18,000
e) Non-destructive examination	16,000
2) HEP Support & Hangars:	100
a) Pipe hangar cold inspection:	
a. General mechanical contractor	35,000
b. Scaffolding	19,400
a) Pipe hangar hot inspection:	
a. General mechanical contractor	30,000
b. Scaffolding	15,600
3) Cable Inspection & Testing:	50
a) Unit 1 power cables	20,000
b) Unit 1 generator bus duct	15,000
c) Unit 1 control cables	15,000

4) Boilers Inspection & Testing:		400
a) Steam drum	98,400	
b) Downcomers	43,500	
c) Lower front/rear wall headers	28,900	
d) Waterwalls	36,800	
e) Main steam header	71,200	
f) Hot reheat header	58,600	
e) Cold reheat header	62,600	
5) Civil Structures:		50
a) Stage I pumphouse floors	13,000	
b) Waste water treatment plant structural steel	10,000	
c) Stage I stop logs	2,000	
b) Waste water treatment plant equalization basin tanks	25,000	

Table 3:

Generating Unit No. 2		2013 (\$000's)
1) Cable Inspection & Testing:		50
a) Unit 2 power cables	20,000	
b) Unit 2 generator bus duct	15,000	
c) Unit 2 control cables	15,000	
2) Boilers Inspection & Testing:		400
a) Steam drum	98,400	
b) Downcomers	43,500	
c) Lower front/rear wall headers	28,900	
d) Waterwalls	36,800	
e) Main steam header	71,200	
f) Hot reheat header	58,600	
e) Cold reheat header	62,600	
3) Civil Structures:		50
a) Stage II pumphouse floors	15,000	

b) Stage II cooling water intake & discharge structures & piping	30,000	
c) Stage II stop logs	5,000	

Table 4:

Generating Unit No. 3		2014 (\$000's)
1) Cable Inspection & Testing:		50
a) Unit 3 power cables	20,000	
b) Unit 3 generator bus duct	15,000	
c) Unit 3 control cables	15,000	
2) Boilers Inspection & Testing:		400
a) Steam drum	98,400	
b) Downcomers	43,500	
c) Lower front/rear wall headers	28,900	
d) Waterwalls	36,800	
e) Main steam header	71,200	
f) Hot reheat header	58,600	
e) Cold reheat header	62,600	
3) Civil Structures:		50
a) Main powerhouse structure	10,000	
b) Major fire lines	10,000	
c) Stage II cooling water intake & discharge structures & piping	30,000	