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1	Q.	Sunnyside Replacement Equipment: Please provide listings of the estimated versus
2		the actual engineering, equipment, material, labor, and commissioning costs
3		incurred for these elements of the project:
4		a. Moving T8 transformer from Holyrood
5		b. the new 230kV transformer and associated equipment for Holyrood
6		c. the repair of the B1L03 230kV breaker at Sunnyside
7		d. replacing the B1T1 -1 230kV disconnect switch and insulators
8		e. the B1T1 230kV Breaker (New breaker for 2015)
9		f. the B2T1 138kV breaker replacement
10		g. installation contracts for 2014 and 2015
11		h. the station service transformer and transfer switch replacement
12		i. high voltage risers and connectors for 2014 and 2015
13		j. power and control cables for 2014 and 2015
14		k. transformer protection panels and relays for 2014 and 2015
15		I. other major expenses.
16		
17		
18	A.	Please refer to the following table.
19		
20		Please note that commissioning costs were not tracked separately; however, they
21		are included where applicable in the table below.

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	Engineering		Labor		Equipment		Mat	erial
(\$000s)	Estimate	Actual	Estimate	Actual	Estimate	Actual	Estimate	Actual
a. Moving T8 transformer from Holyrood		1	-	791.6	-	I	-	-
b. the new 230kV transformer and associated equipment for Holyrood	-	26.9	-	186.9	-	4.9	2,315.0	2,098.3
c. the repair of the B1L03 230kV breaker at Sunnyside	-	-	-	88.8	-	-	-	72.1
d. replacing the B1T1 -1 230kV disconnect switch and insulators	114.3	64.1	86.4	54.3	4.9	3.0	40.5	30.9
e. the B1T1 230kV Breaker (New breaker for 2015)	171.4	96.1	129.5	81.4	7.3	4.5	197.5	2.3
f. the B2T1 138kV breaker replacement	114.3	64.1	86.4	54.3	4.9	3.0	88.0	129.2
g. installation contracts for 2014 and 2015	-	-	1,900.8	1,034.1	-	-	-	-
h. the station service transformer and transfer switch replacement	57.1	32.0	43.2	27.1	2.4	1.5	68.7	26.3
i. high voltage risers and connectors for 2014 and 2015 ¹	-	ı	-	-	-	-		
j. power and control cables for 2014 and 2015 ¹	-	ı	-	-	-	-	122.9	102.3
k. transformer protection panels and relays for 2014 and 2015 ¹	-		-	-	-	-		
I. other major expenses		-	-	-	-	-	-	-

^{1.} Items i, j & k were budgeted as a lump sum amount

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The variances associated with line items a. and b. in 2014 were a result of the new transformer failing factory acceptance testing. The issues involved were subsequently rectified before the transformer was handed over to Hydro. This resulted in Hydro having to act on its contingency plan, the relocation of Holyrood transform T8 to the Sunnyside Terminal Station. As these costs were not part of the original capital budget estimate and submission, there were no estimated costs for the move and installation of the T8 transformer associated with the capital job.

The remaining line items can be primarily attributed to lower than estimated material and construction contract pricing and no contingency funds being utilized in 2014. Variances are also attributable to the deferral of the initial portion of the purchase of the new 230 kV breaker B1T1 to 2015, the planned 2015 contract costs associated with the installation of the 230kv breaker B1T1 and lower than estimated project management and engineering costs.

Hydro also received insurance proceeds related to events at Sunnyside Terminal Station of which \$1,826,000 was applied against the project cost.