Q. 1 With reference to the calculation of remaining life accruals, Part V of the 2011 2 Study, pages V-1 to V-131, please explain the meaning of the heading to each 3 column (1) - (7). Please identify the source of the data contained in each column (1) 4 - (7). Please show the underlying calculations, if any, of the information contained in 5 each column (1) - (7). 6 7 8 A. Each of the columns is explained below: 9 Year (Column 1): Represents the installation year of the original cost of plant 10 remaining in service as at December 31, 2009. 11 Original Cost (Column 2): Represents the net depreciable cost (original cost less 12 contributions in aid of construction) of the plant remaining in service for each 13 installation year as identified in Column 1. It should be noted that this value 14 represents the net depreciable cost remaining in service after all historic retirement activity has been removed from the account. This information (both the net 15 16 depreciable cost remaining and the installation year) is downloaded from the Hydro 17 plant accounting systems into the Gannett Fleming models. 18 Calculated Accrued (Column 3): Represents the theoretical amount of accumulated 19 depreciation that should be recovered for each vintage, based on the Iowa Curve 20 and the age of each vintage and the net salvage requirements. (It is noted that 21 there has been no net salvage recognized in this study). This Calculated Accrued 22 amount is based on an accrued factor that is calculated within the Gannett Fleming 23 models. However, the factors are published in a number of textbooks, including 24 Depreciation Systems, by Frank K. Wolf and W. Chester Fitch, Iowa State University 25 Press, 1994 26 Allocated Book Reserve (Column 4): In total, this column represents the amount of 27 actual accumulated depreciation from the Hydro accounting system as of December

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1	31, 2009. The accumulated depreciation was provided to Gannett Fleming at a total
2	account level. The Gannett Fleming models then allocated the total accumulated
3	depreciation to each vintage, based on the amount of calculated accrued as
4	determined in Column 3. As such, each install year is assigned an amount of
5	booked accumulated depreciation based on the percentage of each installed year
6	calculated accrued as a percentage of the total calculated accrued.
7	<u>Future Book Accruals (Column 5)</u> : Is a calculated amount for each installed year.
8	The amount is determined by the following formula:
9	(Original Cost X Net Salvage Percentage) - Allocated Book Reserve
10	There has been no provision for net salvage in this study.
11	Remaining Life (Column 6): Represents the period of time that assets related to
12	each installation year have remaining as at December 31, 2009. In these
13	calculations where the ASL procedure is used, the remaining life for each install year
14	can be determined by:
15	Life estimate - (2009 – Install year) -0.5
16	The 0.5 adjustment is made to reflect a mid-year convention for both plant
17	additions and retirements.
18	Annual Accrual (Column 7): This is calculated for each install year by dividing the
19	Future Book Accruals (Column 5) by the Remaining Life (Column 6).
20	Composite Remaining Life: Calculated by dividing the sum of Column 5 by the sum
21	of Column 7.
22	Composite Annual Depreciation Rate: Calculated by dividing the sum of Column 7
23	by the sum of Column 2.