

1 Q. Re: Account P03: Please fully explain and justify the selection of a 70R4 life-curve
2 combination for Account P03 - Penstock. The response should specifically address
3 the curve fit set forth on page IV-138 of Exhibit 1 (note that page IV-138 presents a
4 75R4) and why a longer life is not appropriate. The response should also present
5 the specific steps and corresponding information and documents relied on to arrive
6 at the proposed life-curve combination.

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9 A. In responding to this Request for Information, it was noted that an incorrect Iowa
10 curve (75-R4) was provided in the Gannett Fleming study. The correct Iowa curve
11 (70-R4) has been included as CA-NLH-96 Attachment 1.

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13 As indicated in the retirement rate analysis at pages IV-139 of the Gannett Fleming
14 report, there has been no retirement activity in this account from 1991 through
15 2009 time period. However, the Iowa 70-R4 Iowa curve anticipates very few
16 retirements through this observation period. As such, the recommended 70-R4
17 provides a reasonable fit to the observed life table. Additionally, as noted in the
18 discussion with the operations group, these facilities have historically been
19 maintained through operating expenditures. However, it is the experience of
20 Gannett Fleming that the penstock structures will eventually require capital
21 upgrades to ensure their integrity. As noted in the aged surviving plant provided at
22 page V-70 of the Gannett Fleming report, a significant portion of investment in
23 penstocks has occurred in the 1980s, and as such, the recommended 70-R4 Iowa
24 curve is not consistent with this investment not after being retired.

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26 The life estimates of peer Canadian utilities range from 60 to 100 years with most in
27 the 60 to 75 year range, and only one peer using a life estimate of greater than 75

1 years. The 70-R4 provides for a maximum life estimate of some investment to
2 reach approximately 100 years and indicates that 55% of the investment will still be
3 in service at age 70. At this point in time, there is no evidence to suggest that
4 penstocks can be expected to last beyond the ages in accordance with the
5 recommended 70-R4 lowa curve.

