Q. Reference: Response to the Request for Information NP-NLH-005 (Revision 1,
June 3-15).

Please provide in the table below the effective return periods of failure that best describes the transmission lines listed below since 1996.

| 230kV Transmission Line Return Periods | | | |
|--|--|--|--|
| Transmission Line | Effective Return Period of Failure (years) | | |
| TL-201 | | | |
| TL-203 | | | |
| TL-207 | | | |
| TL-217 | | | |
| TL-218 | | | |
| TL-236 | | | |
| TL-237 | | | |
| TL-242 | | | |

A.

Hydro interprets the question to be asking for the effective design period for wind and ice loads. Below are the effective design period applying the current CSA standard. The original design return period for each of the lines noted is 50 years. However, a major upgrade was completed on the following steel tower lines using a 25-year design return period. The upgrades were completed using a 25-year return due to the fact that the lines were upgraded and not fully rebuilt, which basically means that a combination of new and existing components were utilized for the project, thereby limiting the life span of the existing components, resulting in a blended return period.

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| Transmission Line | Original Return Period | Additional Comments |
|-------------------|------------------------|-----------------------------------|
| TL 201 | 50 year | |
| TL 203 | 50 year | |
| TL 207 | 50 year | Replacement designed for 50 year |
| | | return period |
| TL 217 | 50 year | Upgrade work designed for 25 year |
| | | return period |
| TL 218 | 50 year | |
| TL 236 | 50 year | Replacement designed for 50 year |
| | | return period |
| TL 237 | 50 Year | Upgrade work designed for 25 year |
| | | return period |
| TL 242 | 50 Year | Upgrade work designed for 25 year |
| | | return period |