Page 1 of 1

| 1 | Q: | Reference: Review of Newfoundland and Labrador Hydro Power Supply |
|----|----|-------------------------------------------------------------------------------------|
| 2 | | Adequacy and Reliability Prior to and Post Muskrat Falls Final Report, Page 36. |
| 3 | | |
| 4 | | "Experience from other bipolar HV de systems shows that most modern HVdc |
| 5 | | schemes do not experience bipole trips (simultaneous loss of both poles) very |
| 6 | | frequently only every few years. " |
| 7 | | |
| 8 | | Please provide the source reference for the above statement. |
| 9 | | • |
| 10 | | |
| 11 | A. | Cigre has not undertaken a formal analysis concerning bipole outages declining with |
| 12 | | operation. The statement is Dr. Andersen's personal opinion, which is based on |
| 13 | | observing performance of HVdc schemes over 40 years. The performance of |
| 14 | | reporting HVdc schemes is published every 2 years by Cigre at the Session in Paris. |
| 15 | | See also the response to NLH-PUB-004. |
| | | • |
| | | |