

1 Q. Is Environment Canada the official source of the data used by Hydro in  
2 determining inflows? If not, please disclose the source of information for  
3 each plant.

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5 A. No, Environment Canada is not the official source of data used by Hydro in  
6 determining inflows. Currently all of Hydro's major reservoirs are equipped  
7 with staff gauges and/or telemetry installations, providing water elevation  
8 data for the purposes of calculating inflows. Information for two of these  
9 reservoirs, Hinds Lake and Long Pond, are provided to Environment Canada  
10 (Water Survey of Canada) on a monthly basis by Hydro.

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12 Environment Canada (Water Survey of Canada) stream flow records were  
13 used in the development of synthesized data for hydroelectric developments.  
14 See NP-308 for further details.

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16 Environment Canada (Atmospheric Environment Services) precipitation data  
17 is not used by Hydro in determining historic inflow data as the two do not  
18 necessarily correlate due to variances in location of precipitation monitoring  
19 stations and the reservoir system, the effects of temperature and wind on  
20 evaporation, the effects of ground water and lake levels, the uptake of water  
21 by vegetation and the general effect of the terrain in the area of the reservoir  
22 on the rate of runoff.