

1 Q. **Install Meteorological Stations - Various Sites, page C-2**

2 Given the additional hydro resources now available to Hydro and reduced industrial  
3 demand, explain why this project cannot be deferred for one to two years.

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6 A. The installation of the meteorological stations will allow Hydro access to real time  
7 data in the watersheds above its hydroelectric stations. The data will be used to  
8 optimize hydraulic power production and minimize thermal power production from  
9 Holyrood, thereby reducing fuel costs and emissions.

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11 In wet years and in Hydro's present situation of high water levels resulting from  
12 reduced demand, the hydrometeorologic data can also be used to plan and  
13 minimize spill from the reservoirs.

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15 Hydrometeorologic data collection is most valuable when it is undertaken routinely  
16 over a long period of time. Several years' data are required before meaningful  
17 comparisons can be made between gauges to determine regional characteristics  
18 and trends. Real time hydrometric data collection is required to evaluate the  
19 accuracy of weather forecasts for the watersheds and to improve understanding of  
20 the climate in the watersheds.

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22 For these reasons, it is important that the installation of these sites be completed as  
23 soon as possible so that Hydro can begin collecting all the required data.