1	Q.	For the	the budget item identified below, answer the following questions.				
2							
3		Budg	get Item	Amount	Description		
4		В	3-14	\$127,000	Upper Salmon Generating Station		
5							
6		(a)	Further to P	UB-6.1, provide re	liability statistics and/or instances, either		
7			from Hydro'	s own records or f	rom the information of other utilities, that		
8			show the in	stallation of the pro	pposed equipment increases reliability		
9			through the	reduction of outag	es.		
10							
11		(b)	For each ins	stance shown in th	e response to PUB-6.2, provide the		
12			date, time a	nd duration as we	l as the cause of the outage. In addition		
13			indicate the	likely reduced out	age time had the fault recorder been in		
14			place for ea	ch outage.			
15							
16							
17	A.	(a)	A fault reco	der assists in the	identification of the fault and verifying		
18			the perform	ance of the protec	tive relaying systems. It is useful in		
19			identifying a	ny problems and h	nence aids in faster restoration of the		
20			equipment.				

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b)

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Date	Time	Duration	Cause
07-24-2000	00:50	6 mins.	Lightning
08-21-2000	02:13	2 mins.	Lightning
11-09-2000	10:42	2 hrs, 41 mins	Relay malfunction
11-16-2000	10:13	31 mins.	Relay malfunction
05-08-1999	20:38	26 hrs.	Broken crossarm
08-26-1999	16:09	4 mins.	Lightning
12-19-1998	07:26	8 hrs, 17 mins.	Fallen tree on the line
07-24-1995	12:54	6 mins.	Lightning

For the outages caused by lightning, a fault recorder would not have reduced the outage time. However, for the other outages caused by fallen trees, broken cross-arm and relay malfunction, a fault recorder would have assisted in identifying the problem and the location of the fault and hence reduced outage times. The exact amount of reduction in outage times cannot be quantified.