1Q.Please provide the Utilization Forced Outage Probability (UFOP) for each gas2turbine and the Forced Outage Rate (FOR) for each hydraulic unit for the period32010 to 2015, inclusive and provide comparative CEA data for similar units of other4utilities.55

- A. Utilization Forced Outage Probability (UFOP) for each gas turbine and the Forced
 Outage Rate (FOR) for each hydraulic unit are not available. The Canadian Electricity
 Association ("CEA") provides an annual report of equipment reliability information for
 13 participating Canadian utilities. Newfoundland Power is not a participating member
 of this CEA group. Forced outage rate data is only collected by CEA for hydroelectric
 units greater than 5 MW output.¹
- Newfoundland Power's annual power plant availability for the period 2010 to 2015 is
 provided in Table 1.
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Plant	2010	2011	2012	2013	2014	2015
Avalon						
Cape Broyle G1	98.8	99.6	98.6	99.4	98.5	99.0
Heart's Content G1	99.1	98.4	95.8	96.6	97.1	99.0
Horse Chops G1	99.9	99.7	99.0	99.8	81.1	98.3
Mobile G1	99.6	99.3	99.1	99.9	99.8	99.4
Morris G1	99.3	95.7	98.8	94.8	99.2	94.4
New Chelsea G1	99.0	99.2	99.5	99.9	99.7	99.6
Petty Harbour G1	99.9	94.8	100.0	100.0	100.0	100.0
Petty Harbour G2	96.7	98.8	100.0	99.8	95.2	97.6
Petty Harbour G3	99.8	98.7	99.7	99.8	98.3	98.7
Pierre's Brook G1	99.5	99.9	100.0	100.0	98.3	99.8
Pittman's Pond G1	99.7	99.7	100.0	100.0	93.2	99.2
Rocky Pond G1	99.0	96.8	99.5	100.0	99.7	97.9
Seal Cove G1	97.7	97.2	98.8	99.7	98.2	98.8
Seal Cove G2	99.6	99.8	98.9	98.3	99.6	99.3
Topsail G1	99.2	99.0	99.5	99.3	99.7	99.4
Tors Cove G1	100.0	100.0	100.0	100.0	100.0	100.0
Tors Cove G2	98.9	99.9	100.0	96.1	99.5	99.7
Tors Cove G3	89.3	98.0	98.0	99.9	99.0	98.3
Victoria G1	99.9	99.8	98.6	95.3	97.9	98.2

Table 1Annual Availability (%)

¹ Newfoundland Power operates 32 hydro generators in 23 plants across the Province. Only 7 of the 32 generators are large enough for inclusion in the CEA database.

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Annual Availability (%) (Cont'd)										
Plant	2010	2011	2012	2013	2014	2015				
Burin										
Fall Pond G1	96.3	99.6	100.0	99.1	97.9	97.7				
Lawn G1	99.9	99.8	98.2	98.9	99.6	99.5				
West Brook G1	99.0	93.6	99.6	99.3	98.9	95.8				
Central										
Lockston G1	99.3	100.0	99.3	99.3	93.8	99.7				
Lockston G2	99.4	100.0	100.0	100.0	99.5	98.6				
Port Union G1	100.0	100.0	100.0	99.9	99.0	97.5				
Port Union G2	100.0	100.0	100.0	99.8	98.6	99.3				
Rattling Brook G1	100.0	100.0	100.0	98.8	99.8	100.0				
Rattling Brook G2	100.0	99.8	92.9	98.1	99.4	99.8				
Sandy Brook G1	99.2	99.6	99.3	99.9	96.9	98.6				
Western										
Lookout Brook G3	99.8	99.4	99.4	99.4	97.4	96.2				
Lookout Brook G4	98.1	98.8	99.7	99.8	99.7	99.9				
Rose Blanche G1	98.9	99.9	100.0	100.0	97.6	99.9				
Total Hydro	98.9	98.9	99.1	99.1	97.9	98.7				
Thermal										
Greenhill Gas Turbine Mobile Gas Turbine	99.1	99.9	96.7	100.0	100.0	99.7				
MGT Port Aux Basques	100.0	100.0	100.0	100.0	100.0	100.0				
Diesel	100.0	100.0	100.0	99.7	70.7^{2}	95.9				
Portable Diesel MD3 Wesleyville Gas	90.3	100.0	100.0	96.5	100.0	100.0				
Turbine	99.7	90.6	100.0	98.9	100.0	39.6 ³				
Total Thermal	97.8	98.1	99.3	99.0	94.1	87.0				

Table 1

² Extended outage required to complete diesel engine overhaul following in-service failure on January 6, 2014.

³ Two extended outages required to address issues with the lubricating oil cooler in March/April and June/November.