

MEMORANDUM FOR THE RECORD

SUBJECT: 23BON099 MFR T12 Line Outage

At 0803 on 25 November, BON U9 and U10 transformer bank were forced out of service. Project Operations and electricians suspect it tripped due to a bad temperature switch. The units were returned to service at 1145 the same day and tripped again at 1911 on 25 November. It is expected that they will be returned to service sometime today 27 November. This forced outage resulted in BON running out of unit priority. During the time units 9-10 were out of service units 5 and 8 were powered on resulting in units 1, 5-6, 8, 11, 13-18 being online during the outage. This violates section 4.1.1 of the FPP “Turbine units will be operated in the order of priority defined in **Table BON-13** to optimize fish passage conditions.”

At 1215 on 27 November both units returned to service.

Table BON-1. Bonneville Dam Turbine Unit Priority Order.

PERIOD / OPERATION	UNIT PRIORITY ORDER
Year-Round: Fish Ladders in service; PH1 Ladder out of service	PH2: 11, 18, 12, 17, 13, 14, 15, 16, Then PH1: 1, 10, 3, 6, 9, 4, 5, 8, 7, 2
PH2 Fish Ladder out of service	PH1: 1, 10, 3, 6, 9, 4, 5, 8, 7, 2, Then PH2: 11, 18, 12, 17, 13, 14, 15, 16
Split Flows (see section 2.1.5)	PH1: 1, 10 (or top two available PH1 priority units), Then PH2: 11, 18, 12, 17, 13, 14, 15, 16, Then PH1: 3, 6, 9, 4, 5, 8, 7, 2
PH1 Unit Priority	1, 10, 3, 6, 9, 4, 5, 8, 7, 2
PH2 Unit Priority	11, 18, 12, 17, 13, 14, 15, 16

Sincerely,
BON Project Fisheries