

**MEMORANDUM FOR THE RECORD**

**SUBJECT: 23BON097 MFR T12 Line Outage**

At 1032 on 04 November, BON T12 was forced out of service due to a ground on the transformer line relay control power. T12 includes units 15, 16, 17, and 18. This resulted in BON running out of unit priority. During the time units 15-18 were grounded, units 5-9 were powered on resulting in units 1, 5-9, 10, 11, 13-14 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.”

**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	<b>PH2:</b> 11, 18, 12, 17, 13, 14, 15, 16, <b>Then PH1:</b> 1, 10, 3, 6, 9, 4, 5, 8, 7, 2
PH2 Fish Ladder out of service	<b>PH1:</b> 1, 10, 3, 6, 9, 4, 5, 8, 7, 2, <b>Then PH2:</b> 11, 18, 12, 17, 13, 14, 15, 16
Split Flows (see <b>section 2.1.5</b> )	<b>PH1:</b> 1, 10 (or top two available PH1 priority units), <b>Then PH2:</b> 11, 18, 12, 17, 13, 14, 15, 16, <b>Then PH1:</b> 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

Electricians were immediately called to isolate the ground and T12 was returned at 1230 the same day. The total time of the outage and running out of unit priority was 1 hour and 58 minutes.

Sincerely,  
BON Project Fisheries