

MEMORANDUM FOR THE RECORD

SUBJECT: 23BON019 U11/12 Hydraulic Valve Repair

Discussion

11 May - Units 11 and 12 were taken OOS to repair a leaking accumulator isolation valve in U12. The leak in U12 caused the U11 accumulator isolation valve to stick.

Repairs to U12 should alleviate pressure allowing U11 to function as intended. Typically, this action would require all the units north of U12 to be taken OOS. Bonneville mechanics arranged to isolate pressure headers between U12-13 to avoid more units being forced OOS than necessary. Length of repairs are approximately 5 hours to complete, and units will be returned to service the same day.

Repairs were made successfully. Unit 11 returned to service at 1402 and Unit 12 returned to service at 1409 on 11 May.. Work is complete.

Fish Impacts

FPP unit priority will not be met during the outage, however, all fish passage facilities remained in service.

Gatewell orifices of U11 and U12 will be unavailable which may affect downstream juvenile passage. All other PH2 units (with exception of U17 FGE work) gatewell orifices will be available.

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