

MEMORANDUM FOR THE RECORD

SUBJECT: 21BON096 U17 Outage and STS Repair

At 0224 on Tuesday 19 October, the submersible traveling screen (STS) in slot 17A of Powerhouse 2 over-amped and tripped the breaker. The STS was found to have a failed bushing on the drive shaft. With the STS inoperable, Unit 17 was forced out of service until it was repaired and returned to service on 19 October at 1145.

BON PH 2 was temporarily operating out of unit priority to facilitate the repair to the STS (See Table BON-13 from FPP 2021). The U17 outage, of just over 9 hours, is expected to have minimal effects on downstream juvenile passage as all other PH2 units were running. The U17 outage is not expected to impact upstream adult attraction which is provided by Units 11 and 18 next to the fishway entrances.

Table BON-13. 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,
Bonneville Project Fisheries