**Contingency Actions list (Red highlighted new as the T rating)**

The following is a list of contingency actions that may be taken to provide reserves, voltage, energy or inertia. The order and extent of the actual implementation of the actions in this list will be dictated by each specific condition but if possible the order at each individual dam will be followed. The actions on the list may be updated as necessary through coordination with TMT. The actions are ranked by project and by a Tier rating (eg T1 = Tier 1). Tier 1 actions taken first, then Tier 2 through Tier 7 **(updated by TMT March xx, 2018)**

**April – August period**

Tier 1

Power emergency increase generation to outside 1% up to full load

Order: Reduce, BON PH1, JDA, TDA, MCN up to 14.4 kcfs range, Snake River Dams

Tier 2

Power emergency reduce spill to 2014 BiOp levles





Order: LGR, LGO, LMN, IHR, MCN, JDA, TDA, BON

Increase generation outside of 1% Bon PH2, Use full 1% range at MCN

Allow MOP excursion up to: 1-2 feet

Tier 3

Power emergency intermediate spill

Order: 18k LGR, 17k LMN, 30% LGS, 30% IHR, 30% MCN, 30% JDA, 30% TDA, 95K BON

Allow MOP excursion up to: 2-3 feet

Tier 4

Power emergency low spill

Spillway weir(s) only at LGR, LGS, LMN, IHR, MCN, JDA, and surface passage with 20% TDA and 75Kcfs BON

Tier 5

Power emergency surface only spill

Surface Spillway Wiers only - LGR, LGS, LMN, IHR, MCN, JDA, 50 kcfs at BON

Tier 6

Power emergency No spill

Order: LGR, LGS, LMN, IHR, MCN, JDA, TDA, BON

Tier 7

Shut off sluiceways at TDA, Bonn PH1 first then Bonn CC

**Sept-March period**

JDA increase generation outside 1% up to full load

JDA shutoff adult attraction flow

MCN increase generation outside 1% up to full load.

TDA increase generation outside 1% up to full load

TDA shut off sluiceway

BON increase generation outside 1% up to full load

BON shutoff adult attraction flow

BON shut off sluiceway

HGH & LIB modify ramping rates

HGH, LIB, DWR, ALF, GCL: increase project drafts which might impact spring refill