# Fish Passage Plan (FPP) Change Request Form

**Change Form # & Title**: 17LMN003 – Unit Priority Winter Maintenance Period

**Date Submitted**: 15 December 2016

**Project**: Lower Monumental

**Requester Name, Agency**: John Bailey, Corps, NWW

**Final Action:** **APPROVED 1/26/2017**

**FPP Section**: LMN 4.1.3. Turbine Unit Operating Priority – Winter Maintenance Season.

**Justification for Change**:

The current Turbine Unit Operating Priority Table LMN-5 does not contain operating priority information for the winter maintenance period (December 1 to the end of February).

 **Proposed Change**:

**4.1.3.** Unit 1 was the first priority unit for fish passage prior to the failure of blade linkages. Temporary repairs include welded blades in a fixed position. Operating Unit 1 improves juvenile fish passage by eliminating the eddy at the fish loading dock, and improves adult fish passage by providing attraction flow to the North fish ladder. Since this turbine unit has fixed blades and a narrow operating range, starts and stops can cause excessive wear and tear, thus Unit 1 is operated last-on/first-off for all flow conditions until blade link pin repairs are completed (currently scheduled for 2016–2017). Unit 1 may be turned off at the power plant operator’s discretion when the flows are between 55-70kcfs.

**Table LMN-5. Turbine Unit Operating Priority for Lower Monumental Dam.**

|  |  |
| --- | --- |
| **Season** | **Unit Priority** |
|  March 1 – November 30 Fish Passage Season | 2, 3, 4, 5, 6 then 1\* |
|  December 1 – End of February Winter Maintenance Season | Any Order |

\* If no spill is occurring, U1 may be operated at any priority level at the discretion of project personnel. **NOTE:** *U1 has fixed-pitched blades and can operated only at about 130 megawatts. This unit priority sequence will remain in effect until Unit 1 blade link pin repairs are completed in 2017.*

**Comments**:

1/26/17 FPOM FPP Meeting: Fredricks wondered about a soft constraint for the unit adjacent to fish ladder. FPOM debated whether longer run-time of priority units was worth it when it comes to more wear and tear on the unit and more required maintenance.

**Record of Final Action**: Approved at FPOM FPP meeting 1/26/2017.