# Fish Passage Plan (FPP) Change Request Form

**Change Form # & Title**: 17LWG004 – Turbine Unit Operating Range

**Date Submitted**: 15 December 2016

**Project**: Lower Granite

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

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

**FPP Section**: LWG 4.2.2. Turbine Unit Operating Range – Off Season.

**Justification for Change**:

The current language in section LWG 4.2.2 is not consistent with language in Appendix C - Turbine Operations section 3.3.1 Off Season (November 1 to March 31). The proposed change will remove confusion and clarify as to which Fish Passage Plan section has priority over the other. Language in in this section also states that Unit 1 is a fixed blade turbine unit. This will no longer be the case as Unit 1 is currently (as of Dec 15) undergoing Kaplan blade linkage repairs which will restore normal variable pitch blade operations when work is completed.

 **Proposed Change**:

* 1. Turbine Unit Operating Range.

**4.2.2. Off-Season (November 1–March 31).**  While not required to do so in the off-season, turbines will normally run within the 1% range since it is the optimum point for maximizing energy output of a given unit of water over time. Operation outside the 1% range is allowed if needed for power generation or other needs.

**Comments**:

1/26/2017 FPOM FPP: Add to NWP projects, too.

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