# Fish Passage Plan (FPP) Change Request Form

**Change Form # & Title**: 17TDA003 – Off-Season Unit Operating Range

**Date Submitted**: January 26, 2017

**Project**: TDA

**Requester Name, Agency**: Corps RCC

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

**FPP Section**: TDA 5.2.1 – Turbine Unit Operating Range.

**Justification for Change**: The current language 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.

**Proposed Change**:

**5.2.1.** From April 1 through October 31, turbine units will be operated within ±1% of peak turbine efficiency (1% range), as specified in the *BPA Load Shaping Guidelines* (**Appendix C**). Turbine unit flow and power output at the lower and upper limits of the 1% range for various heads are defined in **Table TDA-6.** 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 Meeting: This language was approved for NWW projects. FPOM requested adding to NWP projects, too.

**Record of Final Action**: APPROVED as requested for NWP projects 1/26/2017