

# Icicle Strategy - Project Update

## April 2017

### Process / Environmental Review / Data Gaps

#### Climate Change

UW Climate Impacts Group (CIG) working on estimated changes in streamflow under potential climate change scenarios. CIG will present results at the April 27<sup>th</sup> IWG meeting; the report will be finalized soon after. Results will be included in PEIS along with WSU and TU information.

#### Programmatic EIS

Ongoing - Draft for public review in July; Final in October 2017.

#### NEPA Integration

Will be discussed in PEIS, details pending LNFH implementation plan

#### Funding Coordination/Legislative Updates/Outreach

Several IWG members tracking state budget process and conducting outreach as needed. Funding Coordination occurs regularly at Steering Committee

### Base Package Projects

#### Alpine Lakes Optimization, Modernization and Automation Feasibility (FLOW, HAB)

- Feasibility study report will include results from 2016 trust water donation/flow augmentation. Presentation at April 27<sup>th</sup> IWG meeting with the report completed early May (funded by OCR).
- 2017 Alpine Lakes Trust Water Donation – additional data collection on French and Leland Creeks to address bull trout questions (funded by OCR).

#### IPID Irrigation Efficiencies (FLOW, HAB)

Funding secured (\$100,000) from NRCS to Cascadia Conservation District (CCD) and Trout Unlimited to complete a Comprehensive Irrigation Management Plan. Timeline is summer 2017.

#### COIC Irrigation Efficiencies – Pump Station (FLOW, HAB)

- Three pump station locations approved by shareholders to work through feasibility.
- Conceptual designs due in June 2017 (funded by OCR).
- WWT secured \$1.5 M from BPA Targeted and are working to secure final design and additional construction funds. Likely sources include PRCC, Tributary Committee, SRFB.

#### Domestic Conservation Efficiencies (DOM)

- City of Leavenworth applied for meter installation/replacement funds through Reclamation's WaterSMART water efficiencies grant with 50/50 cost share. Waiting for funding decision.
- Efficiency opportunities will be discussed in PEIS.

#### **LNFH Conservation, Water Quality Improvements (FLOW, HAB, LNFH, LAWS)**

- Implementation Plan being developed by USFWS and BOR. The plan will address circular tanks for reuse, effluent pump-back and wellfield enhancements. An update will be given at the IWG meeting on April 27<sup>th</sup>.

#### **Eightmile Lake Restoration Feasibility (FLOW, HAB, DOM, AG)**

- Presentation on the feasibility study report will be given to the IWG at the April 27<sup>th</sup> meeting. The report will be completed in early May (funded by OCR).
- Outlet pipe evaluation and maintenance scheduled for 2017.

#### **Water Markets (AG)**

- Opportunities will be discussed in the PEIS.

#### **Habitat Improvements (HAB)**

The Lower Icicle Geomorphic and Hydraulic Assessment was presented to the IWG in January. The final report will be integrated into the PEIS. Project sponsors are coordinating implementation, landowner communication and outreach needs.

#### **Rehabilitate LNFH Intake, Improvements at Structure 2, Passage and Tribal Fishery Improvements (HAB, TRIBAL)**

##### Tribal Fishery Improvements

- 2016 Creel study completed; 2017 Creel study being planned.
- Tribal fishery adaptive management will be discussed in PEIS.

LNFH Intake will be discussed in LNFH Implementation Plan.

#### **Screens (HAB, LAWS)**

City of Leavenworth and IPID screen replacements: Preliminary design will be funded by BPA Targeted with funding to go to WDFW. Preliminary designs expected fall 2017.

LNFH screen replacement: will be addressed in LNFH implementation plan.

**Instream Flow Rule Amendment (DOM)** Will be discussed in PEIS.