Icicle Creek is a tributary in WRIA 45
**Background**

- **Co-Conveners:** Ecology OCR and Chelan County DNR

- **Process:** Assembled Icicle Workgroup (IWG) Stakeholders

- **Timeline:**
  - 2012 to 2015: Guiding Principles adopted, studies completed, and alternative projects considered
  - 2015 to 2016: Icicle Strategy (base package) endorsed by IWG and SEPA scoping
  - 2016 to 2018: Programmatic Environmental Impact Statement and feasibility studies ongoing
  - 2018 to 2022: Individual project environmental review checks, permitting, design and implementation

- **Goals:** Meet instream and out-of-stream objectives in Icicle Creek Basin, provide an alternate pathway for conflict resolution other than litigation
IWG Members

- Ecology Office of Columbia River
- Chelan Co Board of Commissioners
- Conf Tribes of the Yakama Indian Nation
- WA State Dept of Fish & Wildlife
- Conf Tribes of the Colville Reservation
- Icicle & Peshastin Irrigation District
- USFWS – Leavenworth Fish Hatchery
- City of Leavenworth
- NOAA Fisheries
- Cascade Orchard Irrigation Co
- Icicle Creek Watershed Council
- WA Water Trust
- US Forest Service
- Trout Unlimited
- Agricultural Representatives
- City of Cashmere
- US Bureau of Reclamation
Guiding Principles

- **Improve Streamflow**
  - Dry Year Goal = 60 cfs (current conditions <20 cfs)
  - Average Year Goal = 100 to 250 cfs (current is 60 cfs)

- **Improve Sustainability of the Leavenworth National Fish Hatchery**
  - Meet fish production requirements
  - Fulfill federally protected Tribal fishing rights
  - Protect and conserve water rights
  - Maximize fish health
  - Minimize fish barriers
Guiding Principles

- Protect Tribal Treaty and Federally-Protected fishing/ harvest rights

- Meet Domestic Water Demand
  - Increase year-round supply by 3-6 cfs (peak) (thru 2050)

- Improve Agricultural Reliability
  - Improve management of existing lake storage
  - Current interruptible water use (2-4 cfs) made firm
Guiding Principles

- Improve and Protect Icicle Creek Habitat
  - Stream habitat enhancement and protection
  - Improve fish passage
  - Fish screen upgrades

- Protect Non-Treaty Harvest

- Comply with State and Federal Laws and Wilderness Acts
Low flow in late 2001 was about 20 cfs (and 16.4 cfs in 2015)
SEPA - Process

- **Pre-Scoping**
  - Co-Lead Agency Memorandum of Agreement
  - Identified cooperating agencies
  - NEPA integration strategy
  - Stakeholder meetings
  - Identified potential permits

- **Completed Expanded Checklist**
  - Assembled existing environmental documents, outreach materials,
  - Issued Determination of Significance

- **Public Notice / Open House / Comment Period**

- **Evaluated Comments**

- **Created 5 Alternatives**

- **Began Draft EIS Process**
Icicle Strategy SEPA

- Proposal: Guiding Principles and “Base Package”
- Draft EIS: What is Included?
  - Existing environment
  - Alternatives and no-action
  - Impacts
  - Mitigation measures
  - Permitting framework

- Will Project Environmental Review Occur?
  - Yes, if NEPA required or new substantial environmental impacts are found.
  - No, just the Programmatic EIS if no new substantial impacts.
  - Project-by-Project determination
Overview of Potential Projects

- Conservation
- Groundwater Augmentation
- Reuse
- Pump Exchanges
- Modification of Existing Storage
- New Storage
- Water Markets
- Fish Passage and Screening
- Habitat Improvement
- Tribal Fishery Enhancement
What PEIS Alternatives Are Evaluated?

- No Action

- Icicle Workgroup Base Package includes a balance of conservation and storage modification and restoration projects, plus habitat/screening/passage improvements.

- Alternatives that combine projects to focus on different local values:
  - A conservation focused alternative with no Wilderness impacts
  - Storage focused alternatives
  - Pump exchange focused alternatives
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<thead>
<tr>
<th>Projects</th>
<th>No Action Alternative</th>
<th>Alternative 1</th>
<th>Alternative 2</th>
<th>Alternative 3</th>
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○ Represents projects that might proceed if funding becomes available. However, under the No-action Alternative, project beneficiaries may be different and project timelines are unknown.

● Represents projects that are likely to occur as described, but could be replaced by another project that fulfills the same guiding principles if a design, funding, or permitting fatal flaw is identified.
What PEIS Alternatives Are Not Evaluated?

- Removing Leavenworth National Fish Hatchery
- Decommissioning existing dams
- Selling District water rights
SEPA Process Overview

Timeline

- **May 31, 2018** launch of Draft PEIS
- 60-day comment period, public hearing June 27
- July-August 2018: Meeting with Icicle Workgroup to get advice on Preferred Alternative
- October-November 2018: Goal to issue Final PEIS
- Winter 2018: Begin implementation of Preferred Alternative
  - Supplemental environmental review (and NEPA if necessary), permitting, design, construction
Questions?

Mike Kaputa
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Chelan County Natural Resources

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WA Dept. of Ecology