Yakima River Basin
Water Enhancement
Project Workgroup
Technical Update

Webex Meeting
March 10, 2021

Presented by:
Dave Brown, City of Yakima
Wendy Christensen, Bureau of Reclamation
Clint Wertz, Bureau of Reclamation
Nelson Dam Removal and River Restoration – New Video, Dave Brown

- Naches River Coordination Partnership
- Improve Fish Passage & Habitat for Bull Trout and Steelhead
- Decrease Flood Risk
- Improve Water Supply Reliability
- USACOE – Lead NEPA Agency w/ BPA and Reclamation
- Estimated Cost - $24 M

Video: https://www.youtube.com/watch?v=GfahHNj8Bs4w
Patricia Byers, Mayor, City of Yakima
Dave Brown, City of Yakima
Joe Blodgett, Yakama Nation
Joel Freudenthal, Yakima County
Chris Frederiksen, Yakama Nation
Cle Elum Dam Fish Passage

Video: https://vimeo.com/508632343

Garco, Contractor for Intake, Gate and Helix Contract made video.

Great overview of progress!
Cle Elum Pool Raise

Video: https://youtu.be/9G3-CqBMQsE

Educate partners and public on Cle Elum Pool Raise project.
Dave Empel, Reclamation (Producer)
Phil Rigdon, Yakama Nation
Perry Harvester, WDFW
Raechel Chandler, Ecology
Wendy Christensen, Reclamation
Clear Creek Dam Fish Passage
Status Update

Clear Creek Dam repairs circa 1965
Clear Creek Dam Fish Passage

Problem/Needs Statement

• The existing fish ladder near the spillway does not function for fish passage as planned.

• A new fish ladder near the dam structure is being designed to provide fish passage and address both failures of the old ladder while meeting state and federal criteria.

• Goal is to construct the right type of structure to pass Bull Trout, salmon, steelhead and resident fish species.
Clear Creek Dam Fish Passage

Current Status

- May 29, 2020 – Kick off Meeting with Storage Dam Fish Passage Core Team
- November 3, 2020 - 30% Design Complete
- January 21, 2021 - Partners meeting on 30% Design
- February 8-12, 2021 - Value Engineering Study
- April 16, 2021 - 60% Design Due
- November 5, 2021 - 90% Design Due
- FY 2023-2024 - Anticipated Construction Period
Clear Creek Dam Fish Passage
30% Design Overview Drawing
Clear Creek Dam Fish Passage

Clear Creek Value Engineering Study
February 8-12, 2021

Proposals Analyzed
1. Use spillway & existing ladder for fish passage
2. Construct fishway bypass channel
3. Install a public access and fish viewing site
4. Automate dam gates for pool regulation
5. Insert drains holes for O&M purposes
6. Provide auxiliary water system to ladder to ensure cold water
7. Construct weirs without addition of adjustable steel blades
8. Alternative fish ladder coverings

Appreciate participation from partners!
Clear Creek Dam Fish Passage

Clear Creek Value Engineering Study Process

Next steps

• Reclamation will review Final Value Engineering Report
• Adopt appropriate Value Engineering Study proposals
• Adjust design as needed to incorporate into 60% design
Clear Creek Dam Fish Passage

Milestone Schedule

- **Appraisal Study**: Aug 1 - Oct 3
- **Planning/C2I Steps 1-5**: Oct 30 - Feb 14
- **Geotech Study/FER**: Feb 17 - Mar 1
- **Design Timetable**
  - Jun 2 - Jun 1
  - Oct 1 - May 26
- **Environmental Compliance**
  - Oct 1 - May 26
  - May 27 - Oct 15
- **Acquisitions**
  - May 27 - Oct 15
  - Mar 15 - Jan 15
- **Construction**

- **Concept C (30% Design)**: Nov 3
- **60% Design**: April 16
- **90% Design**: Sep 3
- **Design Close Out**: April 1
- **60% Design**: April 16
- **90% Design**: Sep 3
- **Design Close Out**: April 1
- **Construction**: Mar 15 - Jan 15

- **Today**

Questions?

Spillway for Clear Creek Dam
Existing ladder location