

# Upriver Dam

## Corps Water Infrastructure Financing Program (CWIFP)

September 08, 2026

Presenter: Reiner Hershaw, Director  
Water and Hydroelectric Services Dept.



# Agenda

- **Upriver Dam Overview**
- **About CWIFP & Risk Reduction Project**
- **Projects**
- **Funding & Cost**
- **Schedule**



# Upriver Dam Overview

## Upriver Dam consists of:

- **Leadership:** Plant Manager and Dam Safety Engineer
- **Operators:** Control and manage hydroelectric generation and drinking water distribution
- **Mechanics:** Maintain infrastructure assets for generation and distribution

## Role of Upriver Dam and CWIFP to the City:

- Upriver Dam **provides offset of electricity cost** for operating the drinking water system by generating electricity
- **Conduct Risk Reduction Project (RRP) with CWIFP funding to facilitate cost-effective, critical repairs**



Figure 1-1. Upriver Hydroelectric Project Site Layout



# About CWIFP and the RRP

## WHY

- Upriver Dam requires costly maintenance and repair work to maintain the integrity of the dam.
- CWIFP offers below-market financing terms, reducing the cost to ratepayers. Financing allows the City to complete needed repairs **now** while spreading the cost **over the useful life** of the improvements.
- Coordinated with FERC in support of the ongoing dam safety process.

## WHAT

- **CWIFP = Corps Water Infrastructure Financing Program**
  - A federal, low-cost loan program for water infrastructure. It functions like a below-market loan.
  - Managed by U.S. Army Corps of Engineers, which acts as the lender. The City would be borrowing from the Corps, not partnering with them operationally. This would fund the bulk of the RRP.
- **RRP = Risk Reduction Project**
  - Four key infrastructure projects that will reduce operational risk and extend life of Upriver Dam

## HOW

- The City borrows funds to fund critical infrastructure work and repays it over time through utility revenue.

## WHO

- **FERC** = Federal Energy Regulatory Commission: A regulatory agency that mandates inspections
- **USACE** = United States Army Corps of Engineers: Manages and runs CWIFP program



# RRP – Four Sub Projects (overview)

## 1. Gate and gate hoist replacement

- **What:** Replace all 8 existing gates and existing hoists
- **Why:** Ensure long term reliability and safe operations of gates

## 2. Concrete rehabilitation of piers, walls, abutments

- **What:** Repair cracks, joints, spalls, exposed rebar
- **Why:** Ensure structural integrity of concrete structures

## 3. Seepage mitigation

- **What:** Control water coming through the structure
- **Why:** Prevent internal soil erosion and structural damage

## 4. Gate stoplogs

- **What:** Replace outdated stoplogs
- **Why:** Ensure ability to stoplog any gate for safe operations



# RRP – Four Sub Projects (photos)



Project: Gate and hoist replacement



Project: Gate and hoist replacement



Project: Seepage mitigation



Project: Concrete rehabilitation

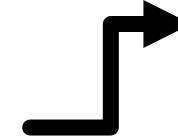


Project: Stoplog Replacement



# Funding & Cost

| SOURCES OF FUNDS                    | AMOUNT (\$ USD)        | PERCENTAGE (%) |
|-------------------------------------|------------------------|----------------|
| CWIFP Credit Assistance             | \$34,680,800.00        | 78.20%         |
| City of Spokane Cash                | \$9,692,888.00         | 21.80%         |
| <b>Total Sources of Funds</b>       | <b>\$44,373,688.00</b> | <b>100%</b>    |
| USES OF FUNDS                       | AMOUNT (\$ USD)        | PERCENTAGE (%) |
| Planning and Design                 | \$1,423,200.00         | 3.2%           |
| Construction                        | \$39,721,128.00        | 89.5 %         |
| Contingency                         | \$3,229,360.00         | 7.3%           |
| <b>Total Uses of Funds</b>          | <b>\$44,373,688.00</b> | <b>100%</b>    |
| <b>Total Eligible Project Costs</b> | <b>\$44,373,688.00</b> | <b>100%</b>    |
| <b>Total Project Costs</b>          | <b>\$44,373,688.00</b> | <b>100%</b>    |



| Sub Projects                    | Estimated Cost          | Estimated Percentage |
|---------------------------------|-------------------------|----------------------|
| Gate and gate hoist replacement | \$ 32,940,000.00        | 74%                  |
| Concrete rehabilitation         | \$ 8,662,000.00         | 19%                  |
| Seepage mitigation              | \$ 1,586,000.00         | 4%                   |
| Gate stoplog replacement        | \$ 1,185,688.00         | 3%                   |
| <b>Total Project Costs</b>      | <b>\$ 44,373,688.00</b> | <b>100%</b>          |

## Key Callouts:

- The RRP totals \$44,373,688 with \$34,680,800 (78.2%) from the CWIFP program and \$9,692,888 from City cash (21.8%).
- Total federal participation cannot exceed 80% of total project costs. CWIFP participation for the RRP is 78.2%, with the City's 21.8% cash providing the balance.
- No prepayment penalty. The City may pay the loan down or off at any time. Disbursements are requested as needed and interest accrues only on disbursed funds.



# Anticipated Schedule

| Sub Project                     | Design Complete | Construction Start | Construction End |
|---------------------------------|-----------------|--------------------|------------------|
| Gate and gate hoist replacement | May, 2027       | August, 2027       | February, 2032   |
| Concrete rehabilitation         | May, 2027       | August, 2027       | February, 2032   |
| Seepage mitigation              | May, 2027       | August, 2027       | February, 2032   |
| Gate stoplog replacement        | N/A             | February, 2027     | May, 2027        |

## Key Callouts:

- **Anticipate First Draw:** February 2027
- **Anticipated Substantial Completion:** Effective date + 7 years
- **Anticipated Payments Beginning\*:** No later than 5<sup>th</sup> anniversary of Substantial Completion
- **Anticipated Loan Fully Repaid:** 20 years after Substantial Completion

*\*The agreement sets the outer limits (interest rate up to 6.20%, maturity no later than 2060) but the actual repayment schedule is not finalized yet. Those details will be negotiated with the Army Corps and locked in through the CWIFP Credit Agreement.*



# Questions?

