

# Bonneville Powerhouse 2 Adult Ladder AWS and Trashrack Debris Management

## Project Goal

Allow for effective and efficient debris removal without shutting down Bonneville Powerhouse 2 Fish Units. Solution shall be coordinated with the Lamprey Passage PDT for consideration of lamprey design criteria.

## Design Charrette/VE Study held Bonneville

- Existing rake more effective than previously thought
- More information required to finalize recommendation

## Options Considered Include:

- 2001 DDR recommendations
- Automatic rake system
- Additional racks in bulkhead slot
- Rehabilitate manual rake
- Forebay berm
- Forebay curtain
- Modify scheduled use of existing rake

## Evaluation Criteria

- Flow Delivery
- Operability
- Maintainability
- Flexibility
- Reliability
- Compatibility
- Supply Power
- "Fish" Friendly
- Durable
- Constructability
- High Confidence of Success
- Redundancy
- Schedule
- Labor Intensity

## Next Steps

- Further evaluate historic and current O&M activities
- CFD Modeling of Curtain/Berm
- Engage FFDRWG in discussion of alternatives