

Kingsley Dam Upstream Facing

Process and Status Update

CNPPID Board of Directors

February 2, 2026



Kingsley Dam Upstream Facing

Participants
and Process

Status
Update

Major
Unknowns

The logo consists of the letters 'RJH' in a white, bold, sans-serif font. It is positioned on the left side of the slide, overlaid on a dark blue background that features a large, semi-transparent circular graphic element.

- Dam and Levee Engineering Firm
- Investigation, Evaluation, and Design
- Subconsultants on Weather and Coastal Expertise

FERC

- Regulatory Jurisdiction per U.S. Federal Power Act
- FERC Division of Dam Safety and Inspections
- Semi-Annual Reporting
- Board of Consultants
- Design Approval

Board of Consultants

- Independent Three-Member Board of Experts
 - John W. France (Geotechnical/Dam Safety Engineering)
 - Thomas E. Riley (Hydrology and Hydraulic Engineering)
 - David L. Kriebel (Coastal Engineering)
- Review Investigations, Design, and Construction
- Provide Written Reports and Recommendations
- Detailed FERC Rules for BOC

State of Nebraska

- Agreement per Nebraska Safety of Dams and Reservoirs Act
- Department of Water, Energy, and Environment
- Copies of FERC Correspondence
- Participation in FERC and BOC Inspections and Meetings
- Review and Advise

Special Projects Committee

- Subcommittee of CNPPID Board
- Semi-Annual Meeting
- Report and Make Recommendations to CNPPID Board

CNPPID Staff

- Manage the Overall Project
- Provide Data, Information, and Assistance
- Regulatory Compliance
- Communications

Current Status – Completed

- Cause Investigation
- Preliminary Alternatives Evaluation and Screening
 - Preliminary Wave Loading Analysis
 - Preliminary Ice Loading Analysis
- Topographic Mapping
- Wind and Wave Data Collection

Current Status – In Progress

- Refined Wind Analysis
- Extreme Wind-Wave Modeling
- BOC Preparations

Anticipated Future Steps and Schedule

- Computer and Physical Modeling of Non-Riprap Alternatives
 - February 2026 to July 2027
- Develop Final Alternatives for Consideration
 - July 2027 to December 2027
- Final Design and Approval
 - December 2027 to March 2029
- Construction
 - March 2029 to August 2031

Major Uncertainties and Unknowns

- What the Fix Will Be
 - Riprap or Other?
 - Full Replacement or Partial Repair?
- Procurement Process
 - Traditional Design-Bid-Build or CMAR?
- Cost
 - Final-Design Dependent

More to Come

- Continued Education
 - Stakeholders
 - Public
- Financing Options Investigation
 - Understanding Possibilities
 - Consider Fiduciaries
- Stakeholder Groups
 - Investigating Potential as Needs are Understood