Web Tool Objectives

The Post-2026 Operations Exploration Tool is designed to meet three main objectives:

1. Enable the exploration of a wide range of potential operational strategies for Lake Powell and Lake Mead;

2. Provide a common technical platform that is accessible to all Basin stakeholders and interested parties, enabling everyone to explore strategies on an equal basis;

3. Facilitate the development of robust future strategies through the use of Decision Making under Deep Uncertainty (DMDU).
Many Objective Robust Decision Making (MORDM) in the Post-2026 Operations Exploration Web Tool

- **User-friendly interface connected to CRSS**
  - Create operational strategies that are formatted and sent to CRSS
  - Interact with output from CRSS simulations

- **Inclusive**
  - No prior experience with CRSS is required to create and explore operational strategies
  - Compatible with stakeholders who perform advanced modeling
  - Facilitates collaboration

- **Transparent**
  - Common technical platform
  - Consistent information

- **Best available science**
  - Provides in-depth DMDU information and education

- **Screening tool**
  - Important to present a variety of metrics to engage a diverse set of stakeholders and support analysis
  - Many implementation details of policies will be addressed in later stages of alternative development
MORDM & the Web Tool in the Post-2026 Process

100s of multi-objective optimization-generated operational strategies

STAKEHOLDER-GENERATED OPERATIONAL STRATEGIES VIA CUSTOM MODELING

CRSS in the cloud

EARLY-STAGE ALTERNATIVES DEVELOPMENT

Explore hundreds of potential operational strategies

CRSS in the cloud

STAKEHOLDER-GENERATED OPERATIONAL STRATEGIES VIA TOOL INTERFACE

Web Tool

ITERATE & REFINE STRATEGIES

TRADEOFFS COMPARISON

Compare operational strategies based on performance tradeoffs across different metrics that reflect diverse priorities

ROBUSTNESS ANALYSIS

Test operational strategies in a wide range of potential future conditions to identify robust strategies

VULNERABILITY ASSESSMENT

Identify which combinations of supply, demand and initial conditions cause the system to be vulnerable under a given strategy

Reclamation works with stakeholders to refine a handful of promising operational strategies, arriving at a reasonable range of NEPA alternatives

Reclamation and other experts perform detailed analyses of the alternatives to quantify environmental impacts
Welcome! This is a flexible, powerful platform designed to enable Colorado River Basin stakeholders and other interested parties to explore operational strategies for Lake Powell and Lake Mead as part of the Post-2026 National Environmental Policy Act (NEPA) Process. This tool is intended to support early-stage exploration of operational strategies that may eventually be incorporated into the Post-2026 NEPA alternatives. For more information on this NEPA process, see Colorado River Post-2026 Operations.

For users to successfully engage with the tool, a basic understanding of conceptual and technical context is recommended. Use the following resources to learn about background, motivation, and how to use the tool:

- Tool 101 tab: extensive supporting information about the technical framework and operational strategy concepts
- Resource Center tab: tool objectives and brief introduction to the technical framework and tool instructions
- Video: Basin and planning context, technical framework and tool synopses
- Integrated Technical Education Workgroup | Bureau of Reclamation (sabr.gov) recorded educational sessions covering in-depth technical background and tools