Model Guide Boxes

**Box 1. Quick Start**

**Setup**

1. Review the main canons of existing Colorado River management (Appendix A).
2. One participant downloads the Excel model file (Rosenberg, 2021d).
   1. Move the file to Google Drive.
   2. Open in Google Sheets.
   3. Share with other participants.
3. All participants open the *Master* worksheet.

**Play**

1. Assign parties, person playing, and strategies (Step 1).
2. Specify the natural flow to Lake Powell in Column C and work down the column (Step 2).
3. Players trade, conserve, and consume water (Step 5).
4. Assign combined storage to Lake Powell and Lake Mead (Step 7).
5. Go to Step #2, next column

**Box 2. Impacts to assign 65% of 13.8 maf combined storage to Lake Powell.**

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| There is 13.8 maf of combined storage. The parties assigned 65% of the storage to Lake Powell. This leaves 9.0 maf in Lake Powell and 4.8 in Lake Mead. Both Powell and Mead are above their minimum power pool elevations of 3,490 and 955 feet.  Lake Powell releases 2.8 maf to Lake Mead this year to achieve the specified storage volumes. The release water temperature is < 18oC which may benefit the native, endangered fish of the |  |

Grand Canyon or they may face invasion from non-natives.

A release water temperature will help tailwater trout (introduced) grow and incubate. Lake Powell will need to receive 85% of combined storage to raise the storage to 11.8 maf, cool release temperatures, and increase the relative abundance of native, endangered fish.