Draft Memorandum

To: URGWOM Technical Team Members

Date: October 14, 2024

Subject: Notes of October 8, 2024 URGWOM Technical Team Meeting

These notes summarize the items discussed during the October 8, 2024 meeting of the Upper Rio Grande Water Operations Model (URGWOM) Technical Team. The meeting began at 10:00 am (MST) and was conducted as a virtual meeting hosted by the Corps of Engineers using MS Teams. All those participating in the meeting introduced themselves and their names and affiliations are listed on the last page of these meeting notes.

The October, 2024 meeting agenda includes general updates on ongoing URGWOM related activities from the NM Interstate Stream Commission, the Corps of Engineers, the Bureau of Reclamation, and their contractors, an update on the addition of new accounts in Abiquiu Reservoir and a demonstration of new RiverWare enhancements.

Lucas reported on the addition of two new accounts in Abiquiu Reservoir (Abiquiu Reservoir object). The two new accounts are for the Rio Chama Acequia Association (RCAA) and Las Compañas. All water for these objects would be stored within the Albuquerque storage pool and within easements obtained by Albuquerque. The new accounts in Abiquiu Reservoir will track storage losses on water stored by RCAA and Las Compañas. The Las Compañas water supply is obtained under lease with the Jicarilla Apache Nation and the RCAA water is obtained under lease with the City of Espanola and Los Alamos County.

Lucas also reported on the development of a new dashboard displaying the status of San Juan-Chama Project water in storage in accounts in reservoirs. The dashboard will be on a SharePoint site and access will be restricted to representatives of those with storage accounts. The dashboard will provide convenient access to information about current storage accounts. Lucas demonstrated the features of the new dashboard including the capability of adding special messages and alerts.

Reynalden reported that the Corps of Engineers is planning for the operation of Abiquiu Reservoir during the 2025 spring runoff taking into account the sediment plug in the Rio Chama channel downstream of the Reservoir. In the event that the operation of the Reservoir cannot maintain flood control releases of up to 1,800 cfs due to the sediment plug, the Corps is investigating alternative lower flow release flood control operations. The Interstate Stream Commission has obtained the services of an earth moving contractor to begin work on removing sediment from the channel of the Rio Chama.

Lucas is working to set up a multiple run management (MRM) for the investigation of alternative flood control operations at Abiquiu Reservoir. Nick volunteered his assistance with this work.

The Interstate Stream Commission had no updates to present to the Technical Team at this meeting.

David reported on updates to the RiverWare software by CADSWES. These updates include:

* Task six for the Bureau of Reclamation to add a function to provide lines, text and shapes on the output canvas;
* Task seven includes the ability to prevent slots from syncing and to allow the user to preserve data developed during each run;
* Task eight is an investigation into the ability to wrap text in the diagnostic window; the development of this option is uncertain at this time due to its potential impact on model performance.

These options will be available in version 9.4 which will be available in December of 2024 or January, 2025.

Nick and Lucas led a discussion on the development of Object Level Accounting Methods (OLAMs) for use in URGWOM. The implementation of this is challenging to add to URGWOM and might result in reduced model performance (slower run times). There is also some question about whether or not this would improve model reliability. CADSWES will do more testing to review the impacts and suitability of OLAM and will start the investigation with Heron Reservoir. CADSWES has $15,000 available to investigate this matter but will not be able to start until after January, 2025.

Nick reported that Hydros has completed the update of the URGWOM model documentation (URGWOM\_9.3 Volume 6 Documentation – User Manual and Scripts), including incorporation of review comments provided by members of the Technical Team. The updated document is ready to be posted on the Corp’s URGWOM web page.

The next meeting of the Technical Team will be November 12, 2024 beginning at 10:00 am. The meeting will be an online meeting.

There being no additional matters to be brought before the Team, the meeting was adjourned at about 10:55 am.

ATTENDANCE LIST

URGWOM TECHNICAL TEAM MEETING

October 8, 2024

