

Draft Memorandum

To: URGWOM Technical Team Members
Date: June 20, 2022
Subject: Notes of the June 14, 2022 URGWOM Technical Team Meeting

These notes summarize the items discussed during the June 14, 2022 meeting of the Upper Rio Grande Water Operations Model (URGWOM) Technical Team. The meeting began at 9:00 am and was conducted as an on-line collaboration hosted by the Corps of Engineers using Microsoft Teams software. All those participating in the meeting introduced themselves and their names and affiliation are listed on the last page of these meeting notes.

This month's meeting agenda includes a concluding report on the Technical Team Spring 2022 inspection trip in the Middle Rio Grande and general updates on ongoing URGWOM related activities from the Corps of Engineers, the Bureau of Reclamation, and the U. S. Geological Survey.

Prakash reported that he will be hosting the meeting since Gannon is no longer working with the Corps of Engineers.

Marc reported on updates to the URGWOM model that the Corps has been working on relating to the deviation from normal operations at Abiquiu Reservoir to accommodate the storage of Prior and Paramount Pueblo storage during the time that storage in El Vado Reservoir is restricted due to construction at the Dam. During the course of this work an error in the accounting model relating to the computation of the hold pool was identified and resolved by CADSWES.

Marc also reported to the Team that new conservation storage accounts were set up and included as part of the hold pool computation; the San Juan hold pool and the Rio Grande hold pool, the latter being new to accommodate Prior and Paramount storage in Abiquiu. On a related matter, Carolyn reported that Reclamation is working on problems on the accounting model and updated data from the accounting model should be ready soon. Marc also reported:

- The Corps has reviewed and provided comments on the draft Accounting Model documentation to Tetra Tech;
- The Corps is working on the using the URGWOM real-time model using National Weather Service two-week weather forecasts;
- The Abiquiu Reservoir Water Control Manual is under review to include storage of Prior and Paramount (Rio Grande) storage in Abiquiu;
- The Corps professional services contract scopes of work for FY 22-23 are being developed.

In response to a question from David Neumann about the use of the SWMM model by the Corps to develop runoff forecasts, Marc responded that the Corps would generate their independent runoff forecasts.

Kyle requested that Team members review the draft Accounting Model documentation circulated by him on May 20, 2022 and submit written comments to him by June 17, 2022.

Carolyn reported that Reclamation is working to update the accounting model and has no other matters to bring before the Team at this time.

No representatives of the NMISC were in attendance at the meeting and no report on NMISC activities was presented.

Dave M. reported that the USGS has no reports to bring before the Technical Team at this meeting.

Miller presented the follow-up report on the Spring, 2022 Technical Team field inspection. This Team visited sites in the middle valley between Cochiti Dam and Corrales. The trip began and ended at the Corps of Engineer's Office and following sites were visited; data from all of these sites are used or simulated in URGWOM:

- Cochiti Dam – headquarters, weather station and USGS gage Rio Grande below Cochiti Dam;
- MRGCD Angostura Diversion Dam
- MRGCD Corrales Siphon
- MRGCD Sandia Lakes Wasteway
- AMAFCA North Diversion Channel Outfall
- Albuquerque Bernalillo County Water Utility Rio Grande Diversion below Alameda Bridge

Twenty-one individuals participated on the trip and the group travelled together in a single vehicle. Participants included researchers from the University of Massachusetts who are working with Reclamation on a simulation of the hydrology of the Rio Grande.

The May 19, 2022 Technical Team Field Inspection Concluding Report was circulated to the trip participants and also filed on the URGWOM SharePoint web site.

The Team discussed potential inspection trips for later this summer including the irrigation works of the Acequias Norteñas (located above El Vado Reservoir) and an inspection of the progress of construction at the rehabilitation of El Vado Dam. Carolyn will inquire about the possibility of visiting the El Vado construction site. This trip may require two days to accommodate visits to the sites and travel time from Albuquerque. A more detailed draft itinerary will be discussed at the next Technical Team meeting.

David N. reported on the following improvements to the model underway at CADSWES:

- Version 8.5 of the model will include synchronized scrolling of data object tabulations (included in a pre-release version of 8.5 that will be available in early July);
- Updates to the DMIs will include a web service connection with a data link to the Colorado Decision Support System (CDSS) and with the USGS;
- CADSWES is working on an NRCS web service connection to allow the direct import of forecast data into the model;
- A quick start menu, which will allow for the selection and direct opening of a recently used model, SCTs or rules without opening the workspace first. This feature is under development and will not be included in version 8.5, but in a later release.

The next meeting of the Technical Team is tentatively scheduled for July 12, 2022.

There being no additional matters to be brought before the Team, the meeting was adjourned at about 9:45 am.

ATTENDANCE LIST
URGWOM TECHNICAL TEAM MEETING
June 14, 2022

<u>NAME</u>	<u>REPRESENTING</u>
Marc Sidlow	USACE, Albuquerque District
Prakash Kaini	USACE, Albuquerque District
William Miller	Southwest Water Design/USACE Contractor
Kyle Shour	Tetra Tech/USACE Contractor
Carolyn Donnelly	Bureau of Reclamation
Jerry Melendez	Bureau of Reclamation
Brian Westfall	Keller Bliesner / BIA Contractor
David Neumann	CADSWES
Nick Mander	Hydros Consulting
Dave Moeser	NM Water Science Center
Diane Agnew	Albuquerque Bernalillo County Water Utility Authority
Steve Schultz	City of Santa Fe