



## FEBRUARY 2023

### CONSORTIUM UPDATES AND HIGHLIGHTS

- Reminder - 2023 Membership Agreement Notices
- Legislative Session Update
- Renewal of Consortium MOU with NMED
- December 2022 End of Year Meeting Highlights
- 2022 Program Summary Report and 2023 Program Plan
- Upcoming Meetings and Presentations
- Working Group Efforts and Schedules in 2023

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### REMINDER - 2023 MEMBERSHIP AGREEMENTS DUE IN FEBRUARY

This is a reminder that the 2023 Consortium Membership Agreements are available on the Consortium website, <https://nmpwrc.nmsu.edu/membership/become-a-member.html>. The Agreement has been slightly modified for 2023 to reinforce that Consortium technical information made available to the public/press has to be technically approved by members, as reasonable and appropriate, before release.

Membership dues for any company, non-governmental organization, and academic institutions, except state and federal agencies and sponsors, is \$500 per year. Sponsor dues are covered as part of a sponsorship, and government agency representatives do not have to pay dues. Multiple company or organization members can participate in Working Groups and Task Committees with a single membership.

If you have any questions or need to get a Membership Agreement sent to you, please contact: Monica Dunivan, Membership Coordinator, at [morascon@nmsu.edu](mailto:morascon@nmsu.edu), or 575-646-2913 for assistance.

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### NM LEGISLATIVE SESSION INFORMATION

In 2023, the NM Legislature will meet for a 60-day session starting January 18. Because of a \$3B surplus increase in oil and gas revenues, New Mexico will be looking at major increases in spending. NMSU will be asking for \$10M in state funding for the Consortium to support research efforts through fiscal year 2024.

As far as legislation, the Consortium is working with NMSU and the Office of the State Engineer to track all water related bills. We will provide technical information to the legislature on bills as requested or that we think are appropriate for our members. We are working with members and NMSU to identify legislation and funding to support Consortium research and development of safe fit-for-treatment and reuse of produced water.

If you provide testimony to support specific legislation, remember to identify yourself as representing your company or organization, and not the Consortium, as required in the Consortium Membership Agreement.

### NM PRODUCED WATER RESEARCH CONSORTIUM RENEWAL WITH NMED

The MOU between NMSU and NM Environment Department establishing and managing the operation of the NM Produced Water Research Consortium, which originally expired in October 2022, has been extended through November 2024.

## DECEMBER 2022 END OF YEAR MEETING HIGHLIGHTS

On December 6-7 2022, the Consortium held an end-of-year program review at NMSU in Las Cruces, NM. The agenda included overviews and status reports of all the 2022 activities and accomplishments relative to the Consortium Research Plan. Approximately 80 participants registered for the in-person meeting.

A summary of the 2020-2022 goals and objectives and information on Consortium accomplishments and progress from January 2020 to December 2022 were presented. Additionally, each of the seven major research efforts in 2022 were highlighted, with presentations on those efforts and recent accomplishments for 2022. Panel session also identified expected efforts and progress for 2023. We also had the keynote addresses at lunch on Dec. 6 by Rob Black, Chairman of the NM Chamber of Commerce, and on Dec. 7 by Jerri Pohl, of the Office of the State Engineer. Both keynotes highlighted NM fresh water issues and the need for development of non-traditional water supplies to support the state. The volumes of produced water being generated could be a significant resource to support community, commercial, and industrial development. They highlighted that they really need it now.

A presentation by NMED suggested significantly more data on treatment performance is needed to support regulatory permitting and regulation development. They suggested that data on as many as 10 - 12 pilot or full scale treatment projects will be needed to support the regulatory process.

All of the End-of-Year presentations and the summary Meeting Minutes are being posted on the Consortium website.

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## CONSORTIUM 2022 SUMMARY REPORT AND 2023 PROGRAM PLAN

Each year, Consortium management prepares a summary report of Working Group and Task Committee efforts and activities related to the goals, objectives, and priorities established that year, as outlined in the Consortium's Research Program Plan. At the same time, Consortium management prepares the next years program plan based on annual progress and goals in the Research Plan. The 2022 Consortium Summary Report and the 2023 Consortium Research Program Plan have been completed and will be available on the Consortium website.

Priorities Include:

- Completion of a risk and toxicology protocol and analysis of treated produced water
- Cooperation with NM OCD on treatment and reuse of produced water inside oil and gas
- Raw produced water quality data collection and input into the data portal
- Coordinate socio-economic modeling to include emerging ESG parameters
- Coordinate produced water modeling, testing, and analytics with other states

## UPCOMING MEETINGS AND PRESENTATIONS

- Produced Water Society Symposium
  - February 7-9 (2 NMPWRC Presentations)
- Carlsbad Rotary Club Presentation
  - February 15 (NMPWRC Speaker)
- Multi-state Salinity Coalition, Las Vegas Nevada
  - February 23-24 (State Roundtable)
- Permian Basin Energy Water Conference, Midland
  - March 1-2 (2 NMPWRC Presentations)
- Water Reuse Association Symposium, Atlanta
  - March 6-9 (2 NMPWRC Presentations)
- I-West Water Energy Conference, Farmington
  - April 6 (2 NMPWRC Presentations)

## **PROGRAM PLAN AND WORKING GROUP / TASK OF COMMITTEES FOR 2023**

For 2023 we will continue with the following Working Group and Task Committees. Consortium members are encouraged to volunteer and participate in as many as they like. The efforts for each and the associated meeting schedules include:

- **Treatment Technology Testing and Evaluation Working Group**  
Will track treatment technology demonstration schedules and will have their own Project Evaluation Team committees to direct and review testing and results in 2023.
- **Risk and Toxicology Working Group**  
Will include a couple of sub-committees to coordinate specific sampling, risk analysis, toxicology testing and analysis, fate and transport modeling, and analysis efforts.
- **Produced Water Quality and Data Portal Working Group**  
Will coordinate collection of raw produced water data from SWD well operations and treated water data through an electronic data delivery format the Produced Water Data Portal. This is to provide better water quality to support better public knowledge and understanding of raw and treated produced water.
- **Infrastructure and Scenario Planning Working Group**  
Will coordinate scenario planning and analysis of produced water disposal volumes, qualities, and infrastructure needs based on various drilling, operation, transportation, disposal, and reuse options.
- **Socio-economic Ecological Modeling Working Group**  
Will conduct QA/QC analysis of socioeconomic model, support efforts to apply to San Juan Basin, and integrate updated human and ecological risk model to support policies and regulations on treatment needs for fit-for-purpose applications.
- **Public Education and Outreach Working Group - Monthly**  
Will continue and expand public education and outreach efforts by improving web access to the public, add more educational materials such as podcasts and video workshops, update workshop data, and expand in person meetings.

### **THIS YEAR, EACH WORKING GROUP AND SUBCOMMITTEE WILL HAVE A LEAD AND CO-LEAD FROM THE CONSORTIUM MEMBERSHIP TO COORDINATE AGENDAS, EFFORTS, AND MEETING MINUTES**

The tenure will be for half a year and will be helped by Consortium management. Also, working groups conference call will be done through Teams, rather than zoom. This changes was made based on recommendation of Consortium members and should provide additional capabilities.

The dates and times for the Working Group calls are:

- Monday, January 9 (biweekly)
  - 9:00 - 10:00 am MT - Risk Toxicology Working Groups
- First Tuesday of Month
  - 9:00 - 10:00 am MT - Treatment Technology Testing and Evaluation Working Group
- First Wednesday of Month
  - 9:00 - 10:00 am MT - Socio-economic Environmental CBA Working Group
- First Thursday of Month
  - 10:00 - 11:00 am MT - Produced Water Data and Portal Working Group
- Second Tuesday of the month
  - 9:00 - 10:00 am MT - Infrastructure and Scenario Planning Working Group
- Public Education and Outreach Working Group - Monthly