

NEW MEXICO GROUNDWATER CONFERENCE

An annual American Ground Water Trust program

October 12 & 13, 2021

8:30am – 12:45pm MST

Virtual Conference in Webinar format

~ Register online at www.agwt.org/events ~



Groundwater resources play an important role in New Mexico's drinking water supply in urban and rural areas. Additional water needs for mining, oil & gas, industry, agriculture, and for sustaining ecology add demand stress to an already limited supply. Realistic water planning to achieve optimal use of the state's aquifers is essential if New Mexico is to achieve a long-term sustainable supply/demand balance. The Annual New Mexico Groundwater Conference provides updates on aquifer assessment studies and explores challenges in water planning and implementation. The 2021 program includes discussion of the following topics:



- Using sound science for quantifying climate change impacts on future hydrologic conditions
- Making use of wells to develop deep aquifers, and employing directional drilling technologies in shallow aquifers
- Reviewing how produced water from oil & gas operations can be beneficially managed
- Demonstrating how new approaches to water data storage and retrieval will help water management decisions
- Providing updates and insight about practical ways to deal with PFAS contamination
- Considering water rights, unsettled indigenous water claims and rural water governance

Continuing Education

Approved by State Bar of NM for **Attorneys** – Course #78320_117835, 6.0 G Credits

Approved by Office of State Engineer for **Water Well Drillers** – 6 CE Hours

Approved by NM Environment Department for **Water and Wastewater Operators** – 8.0 Training Credits

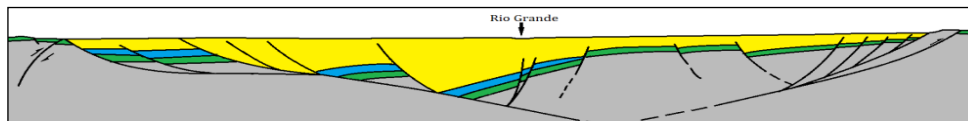
Certificate of Attendance available to other professionals



“Great value – very impressive selection of presenters”

“A very beneficial immersion in NM's groundwater issues”

“One-stop-shop for expert opinion and update on the State's water management challenges”



Join these conference sponsors:



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American Ground Water Trust

2021 NEW MEXICO GROUNDWATER CONFERENCE IN WEBINAR FORMAT

Webinar Schedule – Tuesday October 12th

Start 8:30am, finish approximately 12:45pm (Mountain Standard Time)
30 minutes for each presentation (including Q & A) + a 10-minute break
Times are approximate and could vary by a few minutes depending on Q & A

8:30 Introduction Andrew Stone, Executive Director, American Ground Water Trust, Concord, NH

Session 1 – (8:30 – 10:00) HOW MUCH GROUNDWATER?

WATER MANAGEMENT CHALLENGES - “AT THE PRECIPICE: NEW MEXICO'S CHANGING CLIMATE”

Laura Paskus, Environmental Journalist, Host, New Mexico in Focus / NMPBS, Albuquerque, NM, Secretary, Society of Environmental Journalists, Washington DC

THE HIGH PLAINS AQUIFER IN NORTHEASTERN NEW MEXICO

Victoria Blumenberg, Graduate Research Assistant, Water Science and Management, New Mexico State University, Las Cruces, NM

THE PECOS, RIO GRANDE, AND SANTA FE BASIN STUDIES: WHAT THEY TELL US ABOUT THE POTENTIAL FOR GROUNDWATER TO PROVIDE SUPPLY RESILIENCE

Dagmar Llewellyn, Planning Group Supervisor, Water Management Division, Bureau of Reclamation, Albuquerque, NM

Session 2 – (10:00 – 11:00) WELLS & DRILLING

THE BENEFITS OF HORIZONTAL WELL INSTALLATIONS FOR GROUNDWATER SUPPLY AND REMEDIATION PROJECTS

Jacob Gallagher, Business Development Manager, Ellingson - Directed Technologies Drilling, Bellefonte, PA

THE “HIDDEN”, SUPPLEMENTAL GROUNDWATER RESOURCE -- DEEP SEATED WATER

James D'Arezzo, Chairman and CEO, Aquaterrex, Dunedin, FL, and Arlin Howles, CPG, Senior Hydrogeologist, Earth Organization, Frazier Park, CA

Break for 10 minutes

Session 3 – (11:10 – 12:40) PFAS CONTAMINATION

REDUCING “DOWNSTREAM” PFAS TREATMENT OF DRINKING WATER BY TREATMENT AND MANAGEMENT OF PFAS AT “UPSTREAM” SOURCES

AnnieLu DeWitt, Remediation Technologies, Clean Harbors, South Portland, ME

CAPITAL INVESTMENT AND O & M COSTS FOR PFAS TREATMENT OPTIONS

Cathy Swanson, Groundwater Remediation Specialist, Purolite Corporation, Fullerton, CA

PFAS CHALLENGES FOR WATER SUPPLIERS: EVOLVING REGULATIONS, UNCLEAR JURISDICTIONAL AUTHORITY, LIMITED BUDGETS AND AN EVER-INCREASING PRICE-TAG

Nancy Mortvedt, Director of Client Engagement, SL Environmental Law, San Francisco, CA

Day One Webinar ends

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8:30 Introduction Andrew Stone, Executive Director, American Ground Water Trust, Concord, NH

Session 4 – (8:30 – 9:30)

OIL & GAS

LEGAL AND REGULATORY FRAMEWORKS OF PRODUCED WATER OWNERSHIP AND MANAGEMENT IN NEW MEXICO

Stephanie Russo Baca, JD, Staff Attorney, Utton Transboundary Resources Center, UNM, Albuquerque, NM

STATUS OF R&D TO FACILITATE PRODUCED WATER REUSE FROM OIL & GAS OPERATIONS

Mike Hightower, PE, Program Director, and Pei Xu, PhD, Research Director, NM Produced Water Research Consortium, New Mexico State University, Las Cruces, NM

Session 5 - (9:30 – 10:30)

HYDROLOGIC DATA

IMPLEMENTATION OF NEW MEXICO'S WATER DATA ACT

Stacy Timmons, Associate Director, Hydrogeology Program and Project Lead, New Mexico Bureau of Geology & Mineral Resources, New Mexico Tech, Socorro, NM

APPLICATION OF **FAIR** (Findability, Accessibility, Interoperability, Reusability) DATA PRINCIPLES TO LEGACY HYDROLOGIC DATA - ADVANCING NEW MEXICO'S WATER DATA INITIATIVE

Charles Dunning, PG, PhD, Vice President Business Development, WellIntel, Milwaukee, WI

Break for 10 minutes

Session 6 – (10:40 – 12:40)

THE REALITIES OF WATER MANAGEMENT

LEGAL ISSUES AFFECTING NEW MEXICO WATER MANAGEMENT

Kyle Harwood, JD, Attorney, Egolf + Ferlic + Martinez + Harwood, LLC, Santa Fe, NM

AN INSTITUTIONAL ANALYSIS OF RURAL DRINKING WATER SYSTEMS IN NEW MEXICO

Tucker Colvin, Research Scientist, Southwest Environmental Finance Center, Department of Civil Engineering, University of New Mexico, Albuquerque, NM

WATER RIGHTS, WATER OWNERSHIP AND UNSETTLED INDIGENOUS WATER CLAIMS

Julia Fay Bernal, Director, Pueblo Action Alliance, Albuquerque, NM

WATER 2120: FIVE YEARS INTO THE 100 YEAR PLAN

Mark Kelly, Water Resources Division Manager, Albuquerque Bernalillo County Water Utility Authority, Albuquerque, NM

Day Two Webinar ends