Ticketed VIP Networking Reception – TUESDAY, FEBRUARY 18, 2020

DAY ONE – WEDNESDAY, FEBRUARY 19, 2020

7:30 am – 8:15 am – Conference Registration and Breakfast
8:15 am – 8:30 am – Conference Begins

Emcee - Tatum Guinn of News West 9 Television (NewsWest9.com)
Dr. Sandra Woodley, President, UT Permian Basin & Jim Woodcock,
PBWIEC® Conference Chair, and Jonna Smoot, PBWIEC® Event Chair –
Welcome Remarks – (a shared 5 minutes)
Presenting Sponsor – NGL Water Solutions -- Video – 5 minutes
Tyler Hussey, Water Resource Engineer – Permian Completions, Apache Corporation –
Setting the Stage: General & Poster Sessions Intro – 5 minutes

Session One – Sourcing Entities: Advantages & Challenges
Panel Moderated by Dr. Robert Mace, with 10-minute intro/overview by Dr. Mace
8:30 am – 8:40 am – Dr. Robert Mace, Interim ED for Meadows Center for Water and the Environment
8:40 am – 9:20 am – Moderated Panel:
Richard Brantley, Senior Vice President, Operations, University Lands
John Mabee, CEO, Mabee Ranch
Gage Mooring, President of Seawolf Water Resources, LP

Different types of entities with different groundwater ownership situations

Welcome Back and Session intro

Session Two – Today’s EPA
9:25 am – 9:55 am – D. Lee Forsgren, Deputy Assistant Administrator, Office of Water,
U.S. Environmental Protection Agency (EPA)

The latest from Washington, D.C.

9:55 am –10:25 am – Break

Session Three – UT Austin – BEG’s Latest News on Water In Energy
Welcome Back and Session intro
10:30 am – 10:45 am – Dr. Bridget Scanlon, Senior Research Scientist, Texas Bureau of Economic
Geology, Jackson School of Geo Sciences, University of Texas

Water Management in the Oil and Gas Sector: Water demand for hydraulic fracturing and produced water volumes
(2002-2017) and projected over the life of the play.
In the mix: A new consortium proposed through the BEG’s Research Consortia . . .

-- DAY ONE, CONTINUED
DAY ONE – WEDNESDAY, FEBRUARY 19, 2020, CONTINUED

Session Four – Developments in Produced Water Gathering & Management
Panel Moderated by Stephen McNair, Chief Development Officer for H2O Midstream and also as the President of UL Water Midstream LLC
10:45 am – 10:50 am – Stephen McNair intro --
10:50 am – 11:45 am – Moderated Panel:
   Robert Rubey, Chief Commercial Officer, Goodnight Midstream
   Doug White, Executive Vice President-Water Solutions, NGL Energy Partners, LP
   Karen Work, Water Management Supervisor, Permian Completions, ConocoPhillips Company

- Movement of water from NM and between basins, effects of pricing on market

11:45 am – 12:00 pm – Gather for Keynote Lunch and Seating in adjoining Conference Area

Session Five – Keynote Lunch
12:00 pm – 12:10 pm – Keynote Lunch Intro – Monica M. Jacobs, Chair of Water Law Section, Kelly Hart & Hallman LLP
12:10 pm – 1:30 pm – Keynote Lunch – Senator Charles Perry, West Texas District 28

The 83rd . . . Water Concerns were Heard

Session Six – Agency Interplay – Texas Water Development Board & Texas Commission on Environmental Quality
Panel Moderated by – Duane Germenis, Director – Business Development, Veolia Water Technologies
1:30 – 1:35 pm – Duane Germenis Intro
1:35 pm – 2:00 pm – Moderated Panel:
   Kathleen Jackson, Director, Texas Water Development Board
   Emily Lindley, Commissioner, Texas Commission on Environmental Quality

- When to Call Upon

2:00 pm – 2:15 pm – Return to Main Conference Hall

Session Seven – “New” Water: Surface Water Discharge
2:15 pm – 2:20 pm – Moderator, Monica Jacobs [recent Texas legislation updates], Chair of Water Law Section, Kelly Hart & Hallman LLP
2:20 pm – 3:20 pm – Moderated Panel:
   Ken McQueen, Region 6 Administrator at US Environmental Protection Agency (EPA)
   Dan Mueller, Senior Manager, Energy, Environmental Defense Fund (EDF)
   Dr. James Rosenblum, Managing Director, WE³ST – Water Technology Hub, Colorado School of Mines
   Matthias Sayer, Vice President, Legal & Regulatory, NGL Energy Partners, LP

- Focused Attention on Water Issues, Opportunities and Challenges

-- DAY ONE, CONTINUED
DAY ONE – WEDNESDAY, FEBRUARY 19, 2020, CONTINUED

3:20 pm – 3:40 PM – Break

Session Eight – Water Plans on State Lands
Panel Moderated by Richard Brantley, with 10-minute intro/overview by Richard Brantley
3:40 pm – 3:45 pm – Richard Brantley, Senior Vice President, Operations, University Lands
3:45 pm – 4:30 pm – Moderated Panel:
   Michael Anderson, CEO, Layne Water Midstream, also representing UL Water Midstream
   John Durand, President, XRI Holdings, LLC
   Jordan Kessler, Assistant Commissioner for Oil, Gas, Minerals & Royalty, New Mexico State Land Office

Years One and Two of PBWIEC® saw Collaboration as the big buzz word. Is Consolidation or Partnership the next?

4:30 pm – 4:45 pm – Day One Closing Remarks & Evening Activity Announcements - Jonna Smoot

Ticketed Keynote Dinner and Reception at the Petroleum Club of Midland
6:00 pm – 7:00 pm – Ticketed Fully Hosted Reception
7:00 pm – 9:00 pm – Ticketed Dinner – Senator John Cornyn –
   With an introduction by: D. Kirk Edwards, President & CEO, Latigo Petroleum and PBWIEC® Advisory Board Member
DAY TWO – THURSDAY, FEBRUARY 20, 2020

7:30 am – 8:30 am – Breakfast
8:30 am – 8:40 am – Conference Begins
   Setting the Stage – Speaker Sessions & Intro – Tyler Hussey, Apache
   Poster Session Winners – Announced by: Dr. George Nnanna, Marc Nicholas & Tyler Hussey

Session One – Private Equity Perspectives
8:40 am – 9:00 am – Dr. Ray Perryman, President & CEO, The Perryman Group
9:00 am – 9:40 am – Moderated Panel (Dr. Perryman):
   Michael LaMotte – Senior Managing Director, Guggenheim Securities, LLC
   Henry May – Vice President, Post Oak Energy Capital
   Chris Murphy – Principal, Trilantic Capital Partners
   Jonathan Sherman – Executive Director, Investment Banking, Tudor, Pickering, Holt + Co.

Today’s private equity perspectives on water in energy

9:40 am – 10:10 am – Break

Session Two – A Chancellor’s Perspective
10:10 am – 10:55 am – Dr. Dan E. Arvizu, New Mexico State University Chancellor
Engaging Industry and Higher Education to Solve and Address Tomorrow’s Problems Today – information and highlights on The New Mexico Produced Water Research Consortium

Session Three – Hot Topics & Trends in New Mexico Law and Regulation (Session 3 issues)
10:55 am – 11:15 am – Liz Taylor, Taylor & McCaleb (New Mexico)
Hot Topics & Trends in Texas Law and Regulation covered Days One and Two

Session Four – Progress in Understanding Earthquakes in the Permian Basin
11:15 am – 11:45 am – Dr. Peter Hennings, Research Scientist & Lecturer, Principal Investigator, Center for Integrated Seismicity Research (CISR), Texas Bureau of Economic Geology, Jackson School of Geosciences, University of Texas
On Balance: Seismicity Updates

11:45 am – 12:15 pm – Gather for Keynote Lunch in adjoining Conference Area

Session Five – Keynote Lunch (joint lunch with PBPA Members)
12:15 pm – 12:30 pm – Keynote Lunch Introduction by Ben Shepperd, Executive Director, PBPA
12:30 pm – 1:45 pm – Keynote Lunch – Commissioner Ryan P. Sitton – Texas Railroad Commission

Learn the latest on water in the Permian Basin and an update on all things PBPA

-- DAY TWO, CONTINUED
DAY TWO – THURSDAY, FEBRUARY 20, 2020, CONTINUED

1:45 PM – 2:00 PM – RETURN TO MAIN CONFERENCE HALL – SEATING

Session Six – Produced Water Legislation
Panel Moderated by Monica Jacobs
2:00 pm – 2:15 pm – Monica M. Jacobs, Chair of Water Law Section, Kelly Hart & Hallman LLP— intro of panelists
2:15 pm – 3:20 pm – Moderated Panel:
   Gabriel Collins, Baker Botts Fellow in Energy & Environmental Regulatory Affairs at Rice University’s Baker Institute
   Frank Cusimano, Senior Counsel – Mid-Continent Business Unit, Chevron
   Representative Drew Darby, Texas House District No. 72
   Benjamin W. Sebree, Attorney & Counselor at Law, The Sebree Law Firm PLLC

Texas Legislative Issues – Hot Topics, Opportunities and Other Interesting Take-Aways

3:20 pm – 3:50 pm – Break

Session Seven – Commoditizing Produced Water
Panel Moderated by Gabriel Collins
3:50 pm – 3:55 pm – Gabriel Collins, Baker Botts Fellow in Energy & Environmental Regulatory Affairs at Rice University’s Baker Institute, with five-minute intro of topic
3:55 pm – 4:45 pm – Moderated Panel:
   Cal Cooper
   Brent Halldorson, P. Eng., CTO, Fountain Quail Water Management
   Michael Incerto, Vice President Water Resource, Solaris Midstream
   Dr. Michael Reynolds, Production Chemistry, Shell
   Michael Skarke, EVP Water Management & Infrastructure, Select Energy Services

How aggressively is the industry looking to produce “clean” water? Making water FUNgible again.

4:45 pm - 5:00 pm – Day Two Closing Remarks & Evening Activity Announcements - Jonna Smoot
   (Including Announcements about: The Churpon Award: The “Chirpy”)

(There is no planned dinner this evening to allow guests to attend other happy hours and network)
DAY THREE – FRIDAY, FEBRUARY 21, 2020

7:30 am – 8:30 am – Conference Registration and Breakfast
8:30 am – 8:45 am – Conference Begins
   Welcome Remarks – Emcee – Tatum Guinn of News West 9 Television
   (NewsWest9.com)
   Setting the Stage Speaker Sessions – Tyler Hussey, Apache
   Presenting Sponsor – NGL Water Solutions -- Video – 5 minutes

Session One – ESG – Part I
8:45 am – 9:15 am – Keynote: Jim Summers, CEO, H2O Midstream
   A Midstreamer’s Perspective

Session Two – ESG – Part II
9:15 am – 9:45 am – Keynote: Brian Bohm, Environmental Sustainability Advisor, Apache
   An Operator’s Perspective

9:45 am – 10:15 am – Break

Session Three – Innovations in Science & Engineering, Technology & Policy
Water Needs and Produced Water Challenges, with intro by L. Stephen Melzer, President, Melzer Consulting
10:15 am – 10:30 am – L. Stephen Melzer, President, Melzer Consulting
10:30 am – 12:00 pm – Various Panels and speakers –
   Denny Bullard, P.E., Instructor, Texas Tech University
   Michael Hightower, NM State University & The NM Produced Water Research Consortium
   Dr. James Rosenblum, Managing Director, WE²ST – Water Technology Hub, Colorado School of Mines
   Dr. George Nnanna, Dean of Engineering, UT Permian Basin
   University Involvement and Roles in the Age of Horizontal Wells

12:00 pm – 12:15 pm – Begin moving to lunch

Session Four – Keynote Lunch
12:15 pm – 1:30 pm – Keynote Lunch & Panel Discussion Moderated by Tatum Hubbard, Chief of Staff, Executive Director of Communications & Marketing of UT Permian Basin with a panel Discussion and Audience Q&A between Dr. Steve Beach, Dean of the College of Business, UT Permian Basin; Dr. George Nnanna, Dean of Engineering, UT Permian Basin, and Dr. Sandra K. Woodley, President, UT Permian Basin
   UTPB & You: How UT Permian Basin is offering short- and long-term solutions to the Permian

-- DAY THREE, CONTINUED
DAY THREE– FRIDAY, FEBRUARY 21, 2020, CONTINUED

1:30 pm – 1:45 pm – RETURN TO MAIN CONFERENCE HALL – SEATING

**Session Five – Piping In the Pipelines – from private to public agreements**
1:45 pm – 2:45 pm – Moderated by: R. Mark Henkhaus, Permian Region Regulatory Manager, Apache Corporation
Matt Buchanan, Chief Development Officer, R-Construction
Reagan Kneese, VP Operations, Palisade Pipeline
Phillip Laughlin, President, Palisade Pipeline

From frac pits to pipelines, keeping the water flowing . . .

**Session Six – Continuing Education – Ethics***
2:45 pm – 3:15 pm – R. Wayne Counts, Dean and Associate Professor of Accounting of the College of Business and Engineering at the UT Permian Basin

3:15 pm – 3:30 pm – To sum it all up: Tyler Hussey, Apache – wrap up of daily intros and biggest take-away(s)

3:30 pm – 3:45 pm – **Day Three – Conference Closing Remarks – Tatum Guinn**
Year Four Announcements Including
Save The Date: February 23 – 26, 2021 – Year Four
(Check with Info@PBWIEC.com for early sponsorships)