

National Groundwater Association: 2022 Groundwater Week
 December 6, 2022 through December 8, 2022
 Las Vegas Convention Center, Las Vegas, NV

Instructor	Course	Hours	CEUs
Derek Anderson	Air Drilling Best Practices	1	1
Brock Yordy	IGSHPA/NGWA Joint Workshop: Creating Expectations & Goals Program for New Hires & Generation Z	1	1
Jeffrey Williams	Understanding your inputs, Protecting your margins, and Generating enough revenue to replace equipment on schedule	1	1
Tom Stephan, Brian Broga, Dean Wygal, & Jeremy Corbin	The Variable Frequency Drives Symposium: VFD Applications, Goulds Water Technology; How VFD's Work, Pentair; Emerging Trends Related to VFD's; Top Five VFD Challenges	2	0.5
David Bernardino	A Proven Framework for Building Your Brand	1	1
Latisha Shipman	All Things Hammers and Bits	1	1
Jim Hutmacher	Alternative Drilling Fluids for Deep Large Diameter Wells	1	1
Kevin McGinnis	Chlorine, the Most Misunderstood Chemical in the Water Well Industry	1	1
Brock Yordy	ISHPA/NGWA Joint Workshop: Recruiting, Hiring Training, and Retaining the Next Generation of Drillers	1	1
Marvin Glotfelty	Innovative Techniques for Well Design – Not for the Faint of Heart	1	1
Mark Berger	Pump Panel Electrical Installation and Maintenance	1	0.25
Scott Tystad	Using Search Engine Optimization and Social Media to Grow Your Business	1	1
Stuart Smith & Brandon Stone	Experiences in Water Well Drilling in Developing Countries – How You Can Help and What "Help" Might Mean	1	0.5
Stephen Hamilton	HE IX Softening – Exchanging Salt for Savings	1	0.5
Richard Thron & Richard Layman	Proper Drill Site Assessment, Preparation, and Execution	1	1
Brian Broga	Understanding Internet of Things (IoT)	1	0.5
Jim Wright	Energy Based Hazard Identification	1	0.5
Jeff Goldberg	Smart Motors and Intelligent Systems for the Next 100 Years of Groundwater Pumping	1	0.25
Richard Thron	Water Well Decommissioning/Sealing	1	1
Dan Featherstone	Basic Pump Sizing Tools & Calculations	1	0.25

Thomas Hanna	Constructing and Design a Well that is a Good Value to the Owner	1	1
Jim Wright	Electrical Safety in Drilling and Pump Service	1	1
David Bowers and Brock Yordy	IGSHPA/NGWA Joint Workshop: Hazards Identification Tactics – Why didn't I say stop	1	0.5
Jeremy McBride	A Contractor's Guide to VFDs	1	0.25
Scott Byfield	Fundamentals of Electric Motors	1	0.25
Mike Epley	Sonic Drilling: what does it have to offer	1	1
Tom Stephan	4" Motors and Meters	1	0.25
Jesse Richardson	Family Business Succession: Estate Planning	1	1
Brandon Schumm	ef*fi*cien*cy – All About Permanent Magnet Motors	1	0.25
Fred Rothauge	Contractors General Membership Meeting and McElhiney Lecture	1	1
Dave Schulenberg	From Well Digger to Groundwater Professional – Perception to Reality	1	1
Neil Bacoski	Off-Grid Water Pumping – De-Mystifying Solar for You and Your Customer	1	0.25
Kevin McGillicuddy	Well Performance Evaluation – Data Collection and Analytical Techniques tot Assess Well Condition and Performance	1	1
	Exhibits/Trade Show		1

11/08/2022

Tara Roberts
WA State Department of Ecology Well Administrator

Date