



WATER WELL WORKSHOP "Technology to maximize water well assets!"



Southern California – Lakewood/Long Beach - December 1

For water utility managers and water operators, owners of high-yield wells, well contractors, and groundwater engineers & consultants who design wells, select pumps and assess the potential of aquifers

MAKE SURE YOU MAXIMIZE YIELD FROM YOUR WATER WELLS

An educational well & pump workshop from the American Ground Water Trust

Wednesday, December 1, 2021 – 8:30am – 4:30pm

The Centre at Sycamore Plaza, 5000 Clark Avenue, Lakewood, CA 90712

Previous American Ground Water Trust education workshops in California with a focus on Wells and Pumping have been held in Sacramento, Stockton, Bakersfield, Salinas, Fresno, Tulare, Lakewood, and Ontario.

This workshop provides a great learning opportunity about diagnostic methods (trouble shooting) and solutions for maximizing well performance. Well owners should document changes in yield and aquifer levels and put strategies in place to minimize operation & maintenance costs. Well drilling methods that maximize aquifer to well connection, and down-hole design and placement of screen, are equally important to secure long-term supply sustainability. There is no one-size-fits-all for pump and well maintenance. The workshop presenters will outline the latest practical, cost-effective solutions and explain how to maximize the economic return on pumped groundwater.

Continuing Education

Approved for Drinking Water Operators – 6.5 Hours

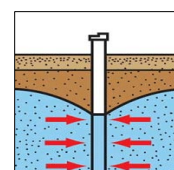
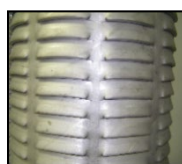
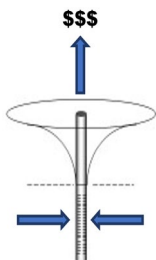
Approved for Water Well Drillers & Pump Installation Contractors – 6.5 Hours

Approved by IA for Agricultural Irrigation Specialists & Irrigation Designers – Course #IA12211-6.5A, Tier 1, 6.5 CEUs

The AGWT will issue Certificates of Attendance for engineers and other professions

JOIN THESE EVENT SPONSORS

The program publicity will get your logo in front of thousands!



December 1 - WATER WELL WORKSHOP PROGRAM 8:30am – 4:30pm

7:30 – 8:30 Registration (Continental Breakfast Provided)

8:30 – 8:40

WELLS & PUMPS - THE VITAL LINK FROM AQUIFER TO END-USER

Andrew Stone, Executive Director, American Ground Water Trust, Concord, NH

8:40 – 9:10

SUSTAINABLE GROUNDWATER SYSTEMS FOR WATER UTILITIES: FINANCIAL AND OPERATIONAL IMPACTS RESULTING FROM TRANSITIONING FROM REACTIVE TO PROACTIVE MAINTENANCE

Denise Kruger, Western Business Development Director, Subsurface Technologies, Inc., Reno, NV

9:10 – 9:45

WELL DRILLING STRATEGIES TO MAXIMIZE SUSTAINABLE YIELDS - METHODS AND COSTS OF DRILLING IN SOUTHERN CALIFORNIA.

Fred Rothauge, Special Projects Manager, Hydro Resources, Simms, TX

9:45 – 10:30

WELL DESIGN AND OPERATION PRINCIPLES TO MAXIMIZE YIELD AND EFFICIENCY

Kevin McGillicuddy, PG, Chief Hydrogeologist, Roscoe Moss Company, Los Angeles, CA

10:30 – 10:50 BREAK (Snacks provided)

10:50 – 11:35

RAPID-HIGH RESOLUTION ZONE-TESTING FOR GROUNDWATER PILOT HOLES AND TEST WELLS: ESSENTIAL DATA FOR DESIGN OF GW PRODUCTION WELLS

Noah Heller, PG, President, BESST Inc., San Rafael, CA

11:35– 12:20

UPDATE ON THE LATEST RESEARCH COMPARING METHODS FOR IMPROVING WELL PERFORMANCE

Jim Bailey, PG, National Well Services Director, Shannon & Wilson, Seattle, WA

12:20 – 1:20 LUNCH (Buffett provided)

1:20 – 2:05

CALIFORNIA CASE STUDIES OF WELL PROBLEM DIAGNOSIS AND THE REHABILITATION SOLUTION

Christofer S. Coppinger, PG, CHG, Senior Geohydrologist, Geoscience Support Services, Claremont, CA

2:05 – 2:50

SELECTION AND MAINTENANCE OF PUMPS TO MINIMIZE OPERATION AND MAINTENANCE COSTS:

David Kill, PE, Training Consultant, Xylem Goulds Water Technology, St. Paul, MN

2:50 – 3:00 BREAK (Snacks provided)

3:00 – 3:45 INTELLIGENT PUMP VARIABLE FREQUENCY DRIVES: HOW THEY WORK; HOW TO SELECT

Dan Peters, Applications Engineer, Yaskawa America, Inc., Cypress, CA

3:45 – 4:30

KEEPING PUMPS IN TOP WORKING CONDITION: DIAGNOSING PROBLEMS, ROUTINE PUMP MAINTENANCE, TYPICAL REPAIRS, WHEN & HOW TO MAKE BOWL/IMPELLER ADJUSTMENT ETC.

Mark Howard, Business Development Manager, Western Region, Layne Christensen (A Granite Company), Redlands, CA

4:30 WRAP-UP, continuing education sign-out and adjourn

[Please note: On December 2, AGWT will be hosting a second workshop at The Centre at Sycamore Plaza focusing on PFAS contamination solutions. More details on our website at www.agwt.org/events See website for registration discounts when attending the Dec 1st and Dec 2nd workshops.]

REGISTRATION, EXHIBIT & SPONSORSHIP PAYMENT FORM

Water Well & Pumping Technology Workshop, Lakewood, CA - December 1, 2021

General Registration	\$225 <input type="checkbox"/>
AGWT Corporate Member Employee	\$200 <input type="checkbox"/>
Full-time Student (ID required)	\$ 80 <input type="checkbox"/>
Electronic download of presentations (Attendee Price)	\$ 30 <input type="checkbox"/>
*General Registration–PFAS Solutions Workshop (2-day program discount)	\$135 <input type="checkbox"/>
Registration includes continental breakfast, coffee/tea/snack breaks & lunch	
TOTAL	\$ _____

SPONSOR LEVELS: \$ 2,000 \$ 1,000 \$500 other \$ _____
\$1,000 and above sponsors have the option of a complimentary registration or exhibit table.
Exhibit table **OR** Complimentary registration

EXHIBIT TABLE ONLY: (registration is also required, see above for selection)
Exhibit Table Fee \$250

TOTAL \$ _____

***DEAL:** If you are also attending the December 2nd “PFAS Solutions Workshop,” the registration price is discounted 40% [\$135 instead of \$225]. Details and registration also online at www.agwt.org/events.

Please call the AGWT (800) 423-7748 if you have questions, need an invoice, or would like to discuss providing financial assistance for this event, such as sponsoring the breakfast or lunch.

Registrant/Sponsor/Exhibitor Information:

Attendee Name _____
Organization Name _____
Attendee E-mail _____
Position/Job Title _____
Address _____
City _____ State _____ Zip _____ Phone _____

Payment Information:


- CHECK [payable to: American Ground Water Trust]
 AMEX/VISA/MC
 PO # _____


AMOUNT AUTHORIZED \$ _____


Name on Card _____
Card No. _____ Expiration Date _____
Cardholder Email _____

MAIL TO:

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www.agwt.org/events

The American Ground Water Trust is a non-profit 501(c)(3) membership organization dedicated to providing accurate information about water resources, groundwater and wells to citizens, communities and decision makers. Contributions are tax deductible to the extent permitted by law.

[Register on-line at www.agwt.org/events](http://www.agwt.org/events)