



"Get smart with your water well assets!"



Well, Pump and Water Treatment Workshop, Lakewood, CA

A "must attend" program for municipal and industrial end-users of high-yield wells

MAKE SURE YOU MAXIMIZE YIELD FROM YOUR WATER WELLS

An educational workshop from the American Ground Water Trust (a 501(c)(3) non-profit education organization)

Monday, February 6, 2023 – 8:30am – 3:30pm

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

Background and workshop description (CEUs approved for CA Water Operators)

- There are new technologies for treating water to state and federal standards. As regulatory requirements become more stringent it is important for water operators to be up to date with the management and maintenance of treatment equipment.
- Along with water quality compliance, maintaining well efficiency to maximize yield potential and securing long-term supply sustainability is a key objective for all groundwater-based drinking water supplies.
- To minimize O & M pumping costs and achieve maximum water yield, utilities must optimize well performance and follow state of the art technology in well design, construction, and operation.
- This workshop provides a great learning opportunity for water operators, utility managers, water management consultants, hydrogeologists, and well & pump contractors on the latest practical, cost-effective solutions.

The program will explain: 💧 the principles of well construction, 💧 how to assess well performance, 💧 how to maintain stand-by pumps, 💧 how to prepare pumps for service after periods of shutoff, 💧 how to apply intelligent pump variable frequency drive technology for wells and wellfields, 💧 the latest water treatment equipment options using examples from California installations 💧 well monitoring equipment maintenance.

Continuing Education

Approved by the State of CA for Drinking Water Operators – 5.75 Hours
The AGWT will issue Certificates of Attendance for all other professions

Join these Workshop Sponsors:
Call 800 423 7748 - www.agwt.org/events



SPECIAL DEAL!!

Register for this Feb 6 workshop in Lakewood and save \$100 on the registration for the Feb 7-8 Groundwater Conference in Ontario.

Details at www.agwt.org/events

For the \$100 discount

[Click on registration for 2023 – Lakewood, CA – Well, Pump & Water Treatment Workshop](#)

Well, Pump and Water Treatment Workshop Program Schedule – Monday, February, 6, 2023

7:30 – 8:30 **REGISTRATION** (Continental breakfast provided) **Network with exhibitors**

8:30 – 8:45

MEASUREMENT OF HYDROLOGIC INPUTS AND OUTPUTS: THE KEY TO GROUNDWATER MANAGEMENT

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

8:45 – 9:45

~HIGH-CAPACITY PUMP SELECTION OPTIONS: HOW TO CHOOSE FOR OPTIMUM PERFORMANCE

~MAINTAINING STAND-BY PUMPS AND PREPARING PUMPS FOR SERVICE AFTER PERIODS OF SHUTOFF

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

9:45 – 10:30

WATER WELL DESIGN AND OPERATION PRINCIPLES FOR MAXIMIZING EFFICIENCY

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

10:30 – 10:45 **BREAK** **Network with exhibitors**

10:45 – 11:25

WELL MONITORING EQUIPMENT: MAINTENANCE DURING EXTENDED DOWNTIME TO PROTECT ASSETS AND FACILITATE RECOMMISSIONING

Greg Allen, Managing Member, REDtrac, LLC, Bakersfield, CA

11:25 – 12:10

APPLICATION OF INTELLIGENT PUMP VARIABLE FREQUENCY DRIVES FOR WELLS AND WELLFIELDS

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

12:10 – 1:10 **LUNCH** (provided) **Network with exhibitors**

1:10 – 2:10

NEED A NEW WELL? - ARE WE CREATING LONG-TERM GROUNDWATER ASSETS OR JUST INSTALLING WELLS?

Fred Rothauge, Technical Advisor, Hydro Resources, Sims, TX

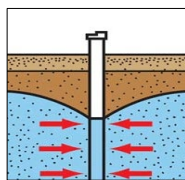
2:10 – 3:30

NEW AND EMERGING TECHNOLOGIES FOR WATER TREATMENT

Lee Odell, Chief Operating Officer, ATEC Systems, Seattle, WA

- Selecting equipment and developing operational protocols
- Removing or reducing chemicals naturally occurring in groundwater
- The challenge of removal of contaminants from anthropogenic sources
- Disinfectants and filtration systems for water treatment
- Choosing cost-effective methods, (filtration, membranes, sorption, ion exchange, precipitation etc.)

3:30 **WRAP-UP & ADJOURN** (Complete continuing education form)



REGISTRATION, EXHIBIT & SPONSORSHIP PAYMENT FORM

Well, Pump and Water Treatment Workshop – February 6, 2023 – Lakewood, CA

General Registration	\$225 <input type="checkbox"/>
AGWT Corp 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"/>
Registration includes handouts, coffee 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 for on-site person)
Exhibit Table Fee \$250

TOTAL \$ _____

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

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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)