CWWCA Mid-Year Conference will still happen virtually or in-person.
July 9-10, 2021
Continuing Education · Supplier Exhibits
Depending on the status of the virus, we will either meet in-person at the beautiful Beaver Run Resort & Conference Center in Breckenridge or hold a virtual event. Further information will be shared toward the end of April.

Inside this issue:
- Advertising Information
- CWWCA Calendar of Events
- President’s Report
- CWWCA Annual Conference Supplies
- CWWCA Annual Conference Speakers
- BOE (Board of Examiners) Seeking Candidates
- Legislative Update

Inside this issue continued:
- Driller and/or Pump Installer Apprenticeship Program
- TWG (Technical Working Group) Report
- 2021 CWWCA Renewal Membership Renewal Information - Why Your Membership
- 2021 CWWCA Membership Application
- CWWCA Committees
- CWWCA Board Members

Image was taken from our last in-person program at the January 2020 Annual Meeting.
All Board of Directors will remain in their current role through 2021.

Congratulations, Dan Niemela, for being selected as the CWWCA Member of the Year Award!
ADVERTISING INFORMATION

DRILLSTEM ADVERTISING
Advertising rates for the DRILLSTEM, a quarterly publication of CWWCA
Deadlines for content: February 1st, May 1st, August 1st, November 1st
(Published March, June, September, and December)
Classified ads are $1.00 per 3.5-inch line.
Help wanted ads will not be published.

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<tr>
<th>Number of Issues</th>
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*Copies must be camera ready or transmitted electronically (.doc,.pdf, or .jpg format).
Avoid using colors in the ads since the DRILLSTEM is printed in black and white.
For full formatting requirements, please visit our website at CWWCA.org.

SEND PAYMENT TO:
CWWCA
P.O. Box 929
Indian Hills, CO 80454-0929
Phone: 720-244-8024
Fax: 720-244-8024

PLEASE EMAIL CONTENT AND ADS TO:
E-mail: execdir@cwwca.org
Credit card payments taken by phone.

WEBSITE ADVERTISING

BANNER ADVERTISING
There is a banner advertisement on every page of the website. The advertisements rotate sequentially, so every ad will have equal display time. If the demand for banner advertisements warrants it, additional banners will be incorporated into the site.

One-Year Banner Advertisement: $100.00
If the advertiser is a CWWCA member, this fee also includes a free upgrade of your member directory listing. Banner ads should be 285 pixels wide x 96 pixels high, .jpg format and in landscape orientation.

MEMBER DIRECTORY UPGRADE
CWWCA members may choose to upgrade their listing in the searchable member’s directory.
Upgrading allows your listing to be displayed at the top of searches and sorts. It allows your listing to link to your website. And upgrading allows you to display your logo or picture of your choice with your listing.

One-Year of Directory Upgrade: $50.00
Pictures for the listing should be submitted in .jpg format and should be 225 pixels wide, by 150 pixels high.

CWWCA CONTACTS

Executive Director
Colleen Schneider
5490 Parmalee Gulch Road
Indian Hills, CO 80454
Phone: 720-244-8024
Fax: 720-244-8024
E-mail: execdir@cwwca.org

CWWCA Lobbyist
Richard G. Brown
Mobile: 303-601-9254
Phone: 303-695-6388
E-mail: dickscuba@gmail.com

WEBSITES

Colorado Water Well Contractors Association
www.cwwca.org

American Ground Water Trust
www.AGWT.org; privatewell.com

Board of Examiners
www.water.state.co.us/boe

Colorado Ground Water Association
www.cgwa.co

National Ground Water Association
www.ngwa.org

World Wide Drilling Resource
www.worldwidedrillingresource.com

CWWCA CALENDAR OF EVENTS

APRIL 16, 2021 CWWCA Board of Directors Meeting Virtual
APRIL 16, 2021 TWG MEETING Virtual
JULY 9 – 10, 2021 CWWCA Mid-Year Conference
Dear Colleagues,

I was contemplating on what to write for the first correspondence in the Drillstem for 2021. There is a myriad of potential issues that are affecting our families and businesses resulting in uncertainty and disdain of what some call the new normal. Supply chain shortages, rising materials costs, and looming (as I see) inflation. We have been inundated with work at the start of this year, which I'm sure other contractors have seen and should be grateful for the demand placed upon the water well construction industry. Therein lies the adage of supply versus demand: there is work to be performed; however, the supply of goods and qualified individuals cannot meet the need. I know that each contractor has their own experience and methodology of hiring, training, and retaining employees. Indeed.com doesn’t seem to have a checkbox for driller or pump technician and some people that profess mechanical knowledge would have difficulty assembling IKEA furniture. Finding the right people requires time, patience, and perseverance and I’m mirroring my dad when reminiscing of how it used to be.

Another reflection on mitigating uncertainty going into the new year is organizing. I’m not the most coordinated person as I’ve got about a dozen documents open on my computer at the time of writing this. The advice of my dad that I have been trying to improve upon is limiting chaos. Failure to plan is planning to fail and I think we all need to be conscious of this simple phrase. It was decided that the CWWCA Board membership would be carried over from the previous year in reflecting on the current situations. In looking back on my correspondence from last year it was hopeful that we would meet in person in Breckenridge after the supposed 15 days to flatten the curve. Well, here we are and I’m sure everyone knows my opinion on the whole Colorado COVID response from government officials. Anyway, I hope everyone is doing good going into this year and staying safe.

Sincerely,

Joel Canfield, CWWCA President
DON'T FORGET!
Our Buck Lively Scholarship Program is now a 501(c)(3).
Cash donations at the Annual Conference are tax deductible!
Thank you to all of the speakers for your time and dedication you put into our Annual Conference.

To view each speaker’s PowerPoint, visit our website at cwwca.org and click the Education tab, Education News Resources.

Kevin Donegan, Matt Sares, and Andy Flor
Colorado Division of Water Resources
“DWR Updates and Geology and Well Construction Considerations in Division 2 and the Cheyenne Basin”

Thomas M. Hanna
Johnson Screens
“Proper Disinfection of Water-Supply Wells”

Andy Horn, Westwater
Hydrology LLC
“NGWA PFAS Risk Communication Resources for Water Well Contractors”

Ray Newmyer, M.G.W.C.
NWP Drilling & Consulting
“General Industry Reference and State Licensing Test”

Daniel O. Niemela, C.P.G.
BBA Water Consultants, Inc.
“Drought, Wildfire and Ground Water”

Fred Rothauge
Hydro Resources
“Like the Facts or Not- What Happens When Your Crew Gets Sick + Supply Chain Issues”

Steve Smith
Assured Partners
“Nuts & Bolts of Cyber Security”

Gene Wagner
Quality Irrigation
“Traumatic Injuries: Assessment and Treatment”

Dean Wygal
GRUNDFOS Pumps Corporation
“Motor Analysis”
S4,000 - S35,000 SEMCO Pump Hoists

Ask about our biggest SEMCO Pump Hoist yet!!! NEW SEMCO S35,000

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Heavy Duty 6"-16"

J&K KWIK KLAMPS
1"-2" and 2-1/2"-4"
SEEKING CANDIDATES FOR THE BOARD

The Governor’s Office of Boards and Commissions is looking for applicants for the Board of Examiners of Water Well Construction and Pump Installation Contractors to fill a term expiring June 30, 2021. This term would begin July 1, 2021 and end June 30, 2025.

The candidate must be a well construction or pump installation contractor with a minimum of ten years’ experience in the well construction or pump installation business preceding their appointment.

All members are appointed for four-year terms, but no member will be reappointed to or serve more than two consecutive four-year terms. Members serve without compensation but will be reimbursed for actual expenses necessarily incurred in their official business¹. The Board meets at least once every three months (the first Monday in February, May, August, and November) and at such other times as it deems necessary or advisable. Meetings are typically held in Room 814, 1313 Sherman Street, Denver, CO 80203. (Due to the ongoing pandemic, meetings are currently being held remotely through videoconferencing.)

Please view this document to see the duties of the Board, listed under 37-91-104.
Title 37, Article 91 C.R.S.

Additional information regarding the Board of Examiners can be found on the Division of Water Resources website, https://dwr.colorado.gov/public-information/boards-and-commissions.

To apply, please fill out an online application on the Governor’s Office of Boards and Commissions webpage, https://www.colorado.gov/governor/boards-commissions-application. Although applications will be considered until the position has been filled, applicants are encouraged to submit their applications by June 1, 2021.

For additional information please visit, https://www.colorado.gov/governor/boards-commissions

¹ Subject to Department Approval
PROVIDING INNOVATIVE SOLUTIONS FOR PROFESSIONAL WATER WELL CONTRACTORS SINCE 1890

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800-289-2777
Legislative Update

There is a lot that has happened in past several weeks – and even more that has been pushed off a few weeks into the future.

The November Election

We had an election in November. Despite the media attention on the presidential election, there were significant changes with our Colorado state election. First, the Democrats not only maintained their majority in both the House and Senate, but they also actually increased the margin of difference. Democrats now control the House of Representatives 41-24 which gives them a very strong advantage over the Republican minority. To pass a bill in the House, a total of 33 votes is required. The simple arithmetic is clear – the Democrats can pass anything they want just on party lines without a single Republican vote.

In the Senate, the Democrats increased their majority by one additional seat. They now control the Senate by 20-15. A total of 18 votes is needed to pass a bill in the Senate. Again, the Democrats could pass something without a single Republican vote. For those of you who are doing casual mental arithmetic, there are more Democrats in the House (41) than there are Republicans in both the House and Senate (39).

Things were not better for the Republicans in the federal races. There were no upsets in the Congressional races. All the incumbents won reelection. The only change occurred with Congressional District 3 which is predominantly the Western Slope. Long time Republican Congressman Scott Tipton lost in the primary to newcomer Lauren Boebert. Boebert held the seat for the Republicans so the delegation remains the same. The Colorado Democrat congressmen are centered on Denver and its immediate suburbs. The Republican congressmen are dispersed into the outer ring outside the Denver metro area and in El Paso County.

The big change came with the defeat of incumbent Republican US Senator Cory Gardner to former Governor John Hickenlooper (D). It was not close. Gardner’s loss means that Colorado does not have a bipartisan US Senate delegation. For the national Republicans, Gardner’s loss was a key factor in the loss of majority control of the US Senate.

A New Congressional Seat for Colorado?

Things will be a lot more interesting in 2022 – and, in case anyone missed it, the 2022 election began as the polls closed for the 2020 election. Colorado is expected to gain a seat in the Congress because of population growth as evidenced by the 2020 census. However, that process is a bit muddied because of a dispute between the Census Bureau and former President Trump. Former President Trump tried to manipulate the methodology for counting population which resulted in legal challenges. The short of it is that Census Bureau has yet to report its count to the President – in this case President Biden. It is months late.

Once the Census is filed, a whole process for reapportioning the House of Representatives begins. There are 435 members of the House and they are allocated on the basis of population of the various states. There are some numbers that are set. For example, each state is allocated 1 representative no matter how the population numbers run. That accounts for 50 of the 435 seats. Once the reapportionment is completed, each state undergoes a redistricting of the actual boundaries of each congressional district.

(Legislative Update Continued on page 11)
STOCKING THE PRODUCTS YOU NEED FOR EVERY APPLICATION

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WesternHydro.com
The terms “reapportionment” and “redistricting” are often confused and used interchangeably. They are wholly different processes. “Reapportionment” refers to the reallocation of House seats among the states in relation to their populations. “Redistricting” refers to the redrawing of actual congressional districts. Redistricting must follow several tight constraints established both by law and by decisions of the US Supreme Court.

In Colorado, redistricting is accomplished by an independent commission that has equal representation among Democrats, Republicans and unaffiliated voters. This set up was approved by the voters in 2018 - it has never been tested so no one knows if it will work. To make things more difficult, the commission is housed in the Colorado Constitution and has specific dates by which it must complete its work. If you work backward from the November 2022 election, the district lines must be set with ample time for candidates to run for the nomination. That process begins, at the latest, in early 2022 just so the calendar works. But that assumes that the Census numbers have been filed and are official. That has yet to happen so no one really knows what the dates will be and what happens if the redistricting commission cannot do its job. There does not seem to be a Plan B.

So just to complicate this a bit more, it is very possible (perhaps likely) that we will have a new state. The District of Columbia has been working for years to gain statehood. With the strong Democrat control of the Congress and the Presidency, the prospects for DC statehood are stronger than at any time. If that were to occur, DC would gain at a minimum 1 seat in the House. That changes reapportionment. The big “if” in that observation is that the census is completed, and the statehood resolution is passed by the Congress before reapportionment occurs. If those two things do not occur and reapportionment is finalized before DC were to become a state, it would likely be required to wait until after the 2010 census driven reapportionment.

But it gets more complicated. DC has an estimated population of 700,000 which may put it in competition with other states to gain not 1 but 2 seats.

But it gets more complicated. Puerto Rico has been working for statehood since at least when Harry Truman was President. If DC gets statehood, we could expect Puerto Rico to jump on those coattails. That would again complicate the reapportionment. Some people seem to think that the Congress would just add seats to accommodate DC and potentially Puerto Rico. That is not necessarily what will happen. Congress could keep the House at 435 seats and just crunch additional representatives in.

**Surprise Special Session**

Following the election, the Governor called a surprise special session. He and the majority Democrat leadership selected a small number of issues that were thought to be so important that they could not wait until January. These were prenegotiated outside public view. A special session was convened, the bills were introduced, they were run on a 3-day calendar and were on the Governor’s desk literally in hours after passing. Then the session was adjourned, and folks went home for the Christmas break.

**The New Session**

The legislature convened on January 13, as required by the Constitution. That technically launched the 120 calendar day session. But they adjourned 3 days later until February 16. Similarly, to the special session, they ran a handful of bills deemed so important that they could not wait. And once again did so in 3 days.

COVID-19 is the controlling factor over the session. Leadership suspended the session until
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February 16 partly on the hope that the vaccination effort would be successful and tip the balance away from exposure. It is too soon to know whether that strategy will pay dividends. It does not appear that the strategy has been effective given the erratic nature of the vaccination roll out.

New bills have not been introduced and will not be until the session reconvenes. If they return on February 16, we are expecting several dozen bills to be introduced and made publicly available. We know that there are at least a half dozen water related bills that will be introduced on reconvening.

One that would have interest to the groundwater community is a bill by Rep. Richard Holtorf (R - Washington County) to conduct a review of all known studies of aquifer storage and retrieval. Rep. Holtorf is particularly interested in figuring out how to capture flood waters and put them to beneficial use in Colorado rather than allowing the water to flow to the benefit of Kansas and Nebraska. CWWCA has been a participant in the crafting of the draft of that bill.

We are expecting the CWWCA bill to increase the number of well inspectors to be introduced in March. That bill was poised to pass in 2020 when COVID caused the legislature to adjourn early. We are still facing the same two impediments we had last year. One is the budget which is still reeling from the COVID economic downturn. The second is COVID itself and what it might do to the legislative proceedings.

As soon as the session reconvenes and we receive bills to review, we will be making regular reports on matters of interest.
Power Line Safety
Avoid shock from above-ground and underground cables

Each year, water well employees are hurt on the job because they fail to be cautious when working near power lines. Electricity—whether above-ground or underground—is a powerful force, and using caution is the best way to avoid injury or death.

Risky Activities
You are especially at risk of coming into contact with live cables overhead and underground when you are using hand tools, cutting into service ducts, trenching and using tools such as mechanical excavators, jackhammers or concrete saws.

Safety Tips
Follow these safe digging practices to avoid the risk of electric shock or risk of damage to very expensive equipment:

- Always assume there are more cables present than have been located. In other words, dig with care even when you’ve used the One Call system to locate underground lines and cables.
- Do not use hand-held power tools or excavators close to underground cables.
- Before using a drill rig in the vicinity of cables, dig trial holes using hand tools to verify the position and depth of buried cables.
- Always use insulated hand tools, especially when digging near cables; HOWEVER, note that even insulated hand tools that are covered in dirt or debris can become conductors of electricity.
- Wear the proper personal protective equipment (PPE)—including gloves—to give added protection against shock.
- Treat any cable you find as a live cable until proven otherwise.
- When cables are exposed while digging, take protective measures to ensure they do not become damaged during the course of your work. Achieve this by covering the exposure with items such as timber boarding or sand bags.

Emergency Procedures
Talk with your employer or supervisor about the proper emergency procedures in case of accidental contact with live underground power lines.

Be safe and healthy on the job at with these helpful tips provided by AssuredPartners.

If you have enough personnel on-site, consider assigning someone to the role of safety watcher, responsible for making sure nothing comes into unsafe contact with above-ground OR underground power lines.

This flyer is for informational purposes only and is not intended as medical or legal advice.
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Remote Meeting via Zoom

January 14, 2021

TWG Meeting Recap
Remote Meeting via Zoom

Next TWG Meeting:
Remote Meeting via Zoom
April 16, 2021, 9:00 AM

Attendees: Bryan Beckner, Dan Niemela, Doug Stephenson, Matt Sares, Joe Meigs, Joel Canfield, John Shuler, Bruce Heir, Kevin Donegan, Andy Flor, Colleen Schneider, Tom Harder, Travis Day, Ashley Lennon

Moderator:
Bryan Beckner

Moderator for April 2021 Meeting:
Joe Meigs

DWR Update

Well permitting activity during the fourth quarter of 2020 was higher than the same period in 2019, as shown in the summaries below. Those summaries show, relative to the fourth quarter of 2019, a 20% increase in permit applications, a 20% increase in permits issued and a 18% decrease in exempt permits issued.

(TWG Report Continued on page 17)
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680 Conroe Park West Drive, Conroe, TX 77303
Phone: 713.691.3000 • www.gefco.com
Well permitting activity during calendar year 2020 was higher than in 2019. The well permit activity summary shows, relative to calendar year 2019, a 7% increase in permit applications, 3% increase in permits issued and 2% increase in exempt permits issued. The DWR noticed an uptick in applications for monitoring hole permits, likely due to changes in Colorado Oil and Gas Commission policies.

### Well Permit Activity Log

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<th>Action Name</th>
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<th>1/1 - 3/31</th>
<th>4/1-6/30</th>
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### Well Permit Activity Log

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<th>7/1 - 9/30</th>
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<td>183</td>
<td>388</td>
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Well Inspection Program

The well inspection program continues to operate with two well inspectors. The DWR estimates that one inspector is doing 95% of his inspections on key phases and high-risk wells. The inspectors are covering large portions of the state despite limited resources. Approximately 15% of permits include an advance notification requirement and the DWR reports that compliance with the advance notification policy has been quite good.

Reports from contractors indicate that the pandemic has been good for well drilling. Folks are staying at home and addressing issues with their water supply systems.

Policy and Rule Revisions

The current rule allowing 8 hours of online continuing education went into effect on January 1st and is expected to be adopted as a policy at the February BOE meeting.

Two additional policies will be introduced at the February BOE meeting. The first policy addresses grouting of zones of poor water quality and coal formations. The second policy will characterize the Northern High Plains Aquifer as a Type II aquifer. Both policies are based on past practices and standards of the BOE.

The water well construction rules were last revised in September 2016. There is no pressing need to update the rules but the DWR is compiling a list of potential rule changes. Contractors are encouraged to provide input. On a related note, the NGWA is also reviewing its Water Well Construction Standard.

The DWR is in the process of rewriting the state non-tributary rules. A hearing scheduled for January 20th was rescheduled for March 3rd to allow stakeholders to reach agreement on issues before the hearing.

It is likely that the DWR will issue a policy that Division 6 (the Yampa River basin) is over-appropriated. This will result in denial of “fee well” permits that are not included in a plan for augmentation or Substitute Water Supply Plan. Division 6 Engineer Erin Light is preparing a presentation and contractors are encouraged to stay involved in the process.

The DWR has worked with at least one water user near Carr, Colorado regarding well discharge from a long-term pumping test pursuant to Policy 2020-3. The DWR reports that the process went smoothly.

DWR Forms

New e-forms remain a work in progress. The contractor licensing application is close to completion and will be ready in 2022. A beta version of the well permit application form will be ready in February or March and the DWR is looking for volunteers to help with testing. Change in location, location correction, and construction report forms are also in progress. The DWR proposed a presentation regarding completion of
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lithologic logs to improve well construction reports. The DWR is hopeful that forms will be ready by spring 2021 but that deadline is subject to change.

Well Inspection Audit

The recommendations of the audit are fully implemented except for 100% advance notification of all new well construction or pump installations. The DWR met with the audit committee in December and presented six months of data demonstrating significant progress on inspection of key phases of construction and well risk assessment. The DWR is hopeful that the audit committee will agree that 100% advance notification is unnecessary to run an effective well inspection program. The DWR will meet with the audit committee once more in early June to present a full year of well inspection data.

Well Inspection Bill

The new bill to increase funding for the well inspection program will be very similar to the bill introduced in 2020. Discussion of high-risk wells will be removed because that issue is now addressed in policy. The CWWCA’s representatives met with legislators and are lining up sponsors for the bill.

Unlicensed Contractors

There are four pending complaints of unlicensed contractors. The DWR’s definition of an unlicensed contractor includes anyone not licensed by the BOE including both pop-up outfits and individuals working outside of their licensed authority. However, the BOE is not authorized to prosecute unlicensed contractors. The Attorney General’s office will pursue unlicensed contractor complaints only with clear proof such as an invoice. The DWR is often skeptical of well permit applications indicating that a licensed contractor will construct a well and corresponding construction reports indicating that the well was constructed by the well owner.

Contractors generate the bulk of complaints about unlicensed contractors. Customers may be unmotivated to file a complaint regarding an unlicensed contractor if they believe they are getting a good deal. It appears that law enforcement may have the ability to enforce laws against unlicensed contractors but the CWWCA is working to confirm this possibility.

The DWR notes that applications for water well contractor licenses increased with the recent decline of the oil and gas industry.

Future Topics
DWR Update
DWR Forms
Unlicensed Contractors
Well Inspection Bill Updates

Respectfully submitted by John Shuler
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Education: CWWCA’s Annual and Mid-year conferences provide Colorado-focused classes on drilling and pump technology, geology, safety, business and regulatory compliance.

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We have two easy options to renew. Complete the enclosed application (located on page 24) and mail in with a check or you can visit our website at http://cwwca.org/ to update your membership dues.

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II. WOULD YOU LIKE YOUR NAME LISTED ON THE WEBSITE?

CIRCLE ONE... YES OR NO

III. WOULD YOU LIKE TO RECEIVE A PRINTED QUARTERLY DRILLSTEM NEWSLETTER?

CIRCLE ONE... YES OR NO

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2. Pump Installation Contractor $198.00
   (Owner or manager of a pump installation business)
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