Events

August 10, 2022 @ 11:30 ET - IGSHPA Town Hall

August 10, 2022 @ 8am-5pm CT - Beneficial Electrification Leadership Summit

August 26, 2022 @ 11:30 ET - Dig Deeper Webinar

September 14, 2022 @ 11:30 ET - IGSHPA Town Hall

September 23, 2022 @ 11:30 ET - IGSHPA Dig Deeper Webinar

STAY UP TO DATE ON OUR UPCOMING EVENTS WITH OUR NEW EVENTS PAGE ON OUR WEBSITE: https://igshpa.org/calendar/

Message from the Executive Director

Welcome to the July edition of the IGSHPA News!

July has been a productive month for planning our second annual conference for the new organization. Workshop speakers have been notified, and we have the draft agenda posted on the website (click on the yellow button just below the conference sponsors at https://igshpa.org/conference2022/)! We are
excited to have so many great topics from speakers from around the world. This year's conference will include the three tracks for workshops that we had last year (Residential, Commercial, and Ground Heat Exchanger), and we also have a fourth track this year, the Research Track. Check out the article below on registration, hotel accommodations, advertising / sponsorship opportunities, and exhibitor information. Booth space, sponsorships, and advertising space are going quickly!

Last month, I mentioned the new membership portal. If you haven't signed up yet, click here to create an account so that you can see where IGSHPA is heading with new member benefits. Just this month, a new antifreeze calculator was added to the "members only" page, as well as a number of links to resources for members. Check back often to see the new content that continues to be added.

In other news, we're already accepting submissions for 2023 Town Hall and Dig Deeper webinars. In 2022, we have had more interest than the schedule would allow. So, get your submission in soon at the Events page (the form for submitting an abstract is at the top of the page). Town Hall webinars are typically topics that appeal to a broader audience; Dig Deeper webinars are more technical and address many of the challenges that we encounter in growing the geothermal industry.

Thank you for your support of IGSHPA! Have a great rest of the summer!!

Sincerely,
Jeff Hammond
Executive Director
jeff@igshpa.org

Update from GeoExchange

Revival of Reconciliation Holds Huge Potential for Geothermal Industry

Wednesday evening's announcement from West Virginia Senator Joe Manchin sent shockwaves through Washington that continue to reverberate throughout the political establishment and have major impacts for the geothermal heat pump industry. Manchin surprised even the most well-
connected D.C. insiders and dropped his own version of a reconciliation package, one that includes significant provisions for geothermal.

Senate Minority Leader Mitch McConnell reacted furiously at the announcement and vowed to fight the Democrats’ partisan effort. Senate Majority Leader Schumer has said he intends to work diligently in the coming days to see swift passage. There are many obstacles that must be overcome before enactment, but the geothermal industry is in an outstanding legislative position currently.

From the beginning of the Biden Administration, the Geothermal Exchange Organization sought to ensure that the current Congress understood the importance of including geothermal heat pumps as a core component in any clean energy legislation. Dozens of meetings with key Congressmembers and their staff over the past 18 months were critical to ensuring proper treatment for geo technology. That hard work has paid off and the current bill contains strong support for our industry.

Below is a summary of the provisions affecting geothermal heat pumps and a brief outlook on where things will go from here. You can read the full text of the bill here.

- **Section 25D residential tax credit** –
  - Under current law, the credit is at 26% in 2022, 22% in 2023, and expires at the end of 2023.
  - The bill extends the credit for all Section 25D technologies at the following rates:
    - 26% (2021)
    - 30% (2022-2032)
    - 26% (2033)
    - 22% (2034)
    - 0% (2035)
  - The House-passed version of the bill made the credit fully refundable, subject to extensive verification requirements on installers to guard against fraud. These refundability and verification requirements have been removed.

- **Section 48 commercial tax credit** –
  - Section 48 is extended under a two tier structure:
    - A “base rate” of 6% (or 1/5 of the bonus rate)
    - A “bonus rate” of 30%
In order to receive the bonus rate, projects will have to either: (1) meet prevailing wage and apprenticeship requirements; or (2) be "a project with a maximum net output of less than 1 megawatt (as measured in alternating current) of electrical or thermal energy."

Section 48 technologies will transition to a technology-neutral clean electricity production investment tax credit (i.e., the Wyden Tech Neutral bill), starting in 2025. However, geothermal heat pumps will continue to be eligible for the Section 48 credit through 3034 at the following rates:

- 26% (2021) (base/bonus rate structure not applicable)
- 30% bonus/6% base (2022-2032)
- 26% bonus/5.2% (2033)
- 22% bonus rate/4.4% (2034)

The House-passed version of the bill provided for direct pay/refundability of the credit. In this version, direct pay/refundability is only available under Section 48 for the following entities:

- tax-exempt organizations;
- state or local government (or political subdivision thereof);
- Tennessee Valley Authority;
- Indian tribal government; and
- Alaskan Native Corporations.

The bill includes a domestic content bonus credit for facilities that use domestic steel, iron, and manufactured products. The bonus credit is two-tiered:

- 10% (projects that either meet prevailing wage/apprenticeship requirements or are under 1MW of electrical or thermal energy)
- 2% (projects over 1MW that don’t meet prevailing wage/apprenticeship requirements)

**Outlook** – The language for the entire bill has gone to the Senate Parliamentarian for a review of compliance with Senate reconciliation rules (or “Byrd Bath”), which is expected to last through next week. However, we could get earlier confirmation of the status of drug pricing provisions whose revenue is crucial to the framework agreed to by Manchin. Senator Sinema’s support will also be necessary; she has historically had concerns with some of the tax revenue in the bill and is currently reviewing the measure. Leader Schumer plans to bring the bill to the Senate floor as soon as next week, which is technically possible, but it’s unclear whether that timeline will slip. Speaker Pelosi has offered public support for the bill in the House and we are monitoring the posture of various House Democratic factions as the House also has a very slim majority.
If you would like to share this summary with customers, colleagues, or other industry stakeholders, you can find a copy of it on our website here.

Countdown to the Annual Conference!

Keep an eye on your Inbox for updates on the IGSHPA Annual Conference. December may seem like a long time away, but you'll want to start planning now to get the best pricing/location on hotel reservations and to block out your calendar for this event.

Here's a checklist to prepare for the conference ...

- Register for the conference at https://igshpa.org/conference2022/.
- Make your hotel reservations at https://igshpa.org/conference2022/.

IGSHPA is partnering with NGWA (National Groundwater Association) again this year. NGWA has secured special pricing at the Westgate hotel, which has a walkway to the convention center. Plus, it has a Monorail station if you want to visit The Las Vegas Strip.

2022 Conference Schedule is Now Out!

The 2022 Annual IGSHPA Conference schedule is now available on the IGSHPA website here. This year's line up of speakers and panels will span 3 tracks; Residential, Commercial and Installer/Driller along with a Research Track! Be sure to register before November 1 to receive the early bird discount.

Advertising Opportunities!

Promote your brand by advertising in the conference program guide! The program guide is 10” x 7” with plenty of space for ads within the program and also two opportunities for high visibility ads, on the inside cover and on the back cover. Don’t wait to reserve your spot, as space is limited.
The program is printed in grayscale. Ads should be submitted as high
resolution black & white or grayscale for best quality.

The program guides must be finalized in time for printing. The deadline for ad
submissions is September 30, 2022 to allow enough time for editing and
approval before printing. Go here for availability and pricing options.

Exhibit in the IGSHPA Geothermal Pavilion!

Register as an exhibitor at https://igshpa.org/conference2022/. The IGSHPA
Pavilion is right at the entrance to the exhibit hall. Early Bird pricing and
registration for exhibitors and individuals has already begun on the IGSHPA
website. Exhibitor spaces are limited and going fast, be sure to sign up early
to claim your spot!

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Become a 2022 Conference Sponsor!
Sponsorships for our 2022 Conference in Las Vegas are starting to come in! There is still time to take advantage of this opportunity to get your business out in front of thousands of attendees. As an industry titan, you are actively shaping and influencing this industry. So, let’s work together on promoting geothermal. You and your brand will be seen by attendees in varying industries with opportunity to get feedback from top industry companies, get relationships started, generate leads, and create awareness for how great geothermal is. Go here to view all available sponsorship opportunities.

If you would like to find out more about the available sponsorship opportunities go to https://igshpa.org/wp-content/uploads/igshpa-sponsorship-flyer-2022.pdf

See you in Las Vegas in December!

Virtual Town Halls
Last month we heard from Roshan Revankar of Melink ZERO. Roshan spoke to us about *Geothermal and Solar: Complementary Technologies for Attaining Net Zero.* To watch the recording of this presentation please go [here](#).

On August 10 at 11:30 ET, we will be joined by Terry Proffer from Major Geothermal. Terry will be speaking to us on *Contract Administration During GHX Construction.*

Terry Proffer has been involved in the GSHP industry since 1992, after a career as a petroleum geologist starting in 1979 after graduating with a geology degree in 1978 from Sul Ross State University, Alpine, Texas. He has designed closed loop ground heat exchangers for small residential applications to facilities exceeding 350,000 ft² of conditioned space, including various commercial, institutional and military projects. Terry is the manager for Major Geothermal of Wheat Ridge, Colorado, a firm specializing in the design of closed loop ground heat exchangers, thermal conductivity...
testing, installation quality assurance, functional testing, and GSHP system forensics.

To register for this Town Hall go here.

Please submit recommendations for topics that you would like to learn more about or an abstract of a topic that you would like to present to info@igspha.org.

More News and Events

**August 10 @ 11:30 ET: IGSHPA Town Hall**  
Contract Administration During GHX Construction presented by Terry Proffer from Major Geothermal. Register [here](#).

**August 10 @ 8am-5pm ET: Beneficial Electrification League Illinois Electrification Leadership Summit**  
For consumers, for utilities, for vendors, and for the environment, the sky is the limit! Low carbon electric generation coupled with advances in end-use technology, improvements in grid connectivity, and consumer awareness and acceptance has increased the potential benefit and value of beneficial electrification. In addition, Uncle Sam is opening his pocketbook for Federal infrastructure investments that can be used toward beneficial electrification programs and projects. While the concept of beneficial electrification is appealing, how do we implement? This meeting will bring together stakeholders from a variety of backgrounds to discuss next steps during these exciting times. For more info & registration, go [here](#).

**August 26 @ 11:30 ET: Dig Deeper**  
Series and Parallel Pumping: What are the advantages and how does it work? presented by Tom Wyer from Geo-Flo. Register [here](#).

**September 6 - November 8 @ 12 ET: Certified GeoExchange Designer Course with Ed Lohrenz**  
Tuesday lunchtime for 10 weeks
– 12:00 – 1:30 pm EST (11:00 am – 12:30 pm CST, 9:00 – 10:30 am PST) Register here.


**September 23 @ 11:30 ET: Dig Deeper:** *The Use of Inhibitors in Heat Transfer Fluids*, presented by Richard Crisp of Fernox. Register here.

Do you have an industry event that we should know about? Submit your event to info@igshpa.org and we will add it to the Events Page on our website and highlight it in our next Monthly Newsletter.

**New Membership Upgrade!**

To recognize our members' dedication to IGSHPA and the industry, members now have the ability to convert multiple individual memberships to a business membership. For example, if a heating/cooling contractor or ground loop installer has three employees with individual memberships, the company may convert those three memberships into a single business membership simply by paying the difference. The employees of the business have IGSHPA membership through the company after the upgrade as long as they are still employed by the company. Individuals still need to maintain their certifications separately. There are many business membership benefits, including listing in the business directory on the IGSHPA website, an additional vote in elections, conference/exhibitor discounts, recognition in IGSHPA communications, and much more! Check out the latest upgrade option on the membership page!

Our mailing address is:

International Ground Source Heat Pump Association
312 S 4th St Ste 100
Springfield, IL 62701-1469