



IGSHPA News

Keeping you in the Loop

Events

June 16th - Town Hall and Seminar with Brian Urlaub on Campus Geothermal Systems

July 14th- Town Hall and Seminar with HEET & Eversource on their pilot geothermal district program in Massachusetts

More events from NY-GEO and EPRI - See below!

Message from the Chairperson

The May Town Hall was a hit! I couldn't be more thankful to Boyd Lee for bringing his experience and expertise on how his co-op has found success with loopfield ownership. His insight was incredible and is already spurring on further conversations among co-ops and investor owned utilities across the country! If you missed the Town Hall event, please feel free to check out our IGSHPA YouTube channel for any of our Town Hall events to date.

I am very much looking forward to our very own board member, Brian Urlaub with MEP Associates/Salas O'Brien, discussing district energy systems for our June Town Hall. With the discussions across the country about beneficial electrification and net-zero communities, this couldn't be more timely to talk about how to really look at the implementation of a district geothermal system. And as a reminder, these events are free! Please share this invite with your contacts or anyone that might find this interesting, and we look forward to seeing everyone there.

Additionally, we have officially started to form the Marketing Committee. Board Members Tim Wright and Darrin Beller have taken charge in getting this committee going and I couldn't be more excited to see what they roll out!

Sincerely,

Kortney Lull
Chairperson, IGSHPA Board of Directors

June Virtual Town Hall

During the IGSHPA May Town Hall, you heard from Boyd Lee who gave a great presentation about CKenergy Electric Co-Op's incredibly successful promotion of geothermal heat pumps in their service territory. If you missed the May Town Hall, you can view a recording of the event on our YouTube channel: <https://youtu.be/R87dFaPmzqA>

The June Town Hall will feature IGSHPA Board member Brian Urlab, Director of Geothermal Operations for MEP Associates where he oversees all geothermal projects. Brian will be speaking to us about district energy systems

Brian started out his career in the field, installing and servicing all different types of HVAC systems. In 1996 he moved to inside sales and design, and was introduced to his first IGSHPA geothermal course. He has been dedicated solely to the geothermal industry since 1999. His current job as Director of Geothermal Operations includes such duties as working with mechanical engineers on energy efficient designs, mechanical contractors on installations, drilling contractors on geothermal loop field installations, and architects on better understanding of geothermal technology and implementation of innovative geothermal systems.

Brian has been a member of IGSHPA since 1997, he currently sits on the IGSHPA Board of Directors, and is a past president of the Wisconsin Geothermal Association, a past Board of Directors of the Minnesota Geothermal Heat Pump Association, and past Advisory Council member of

IGSHPA.

The Town Hall will be held on June 16th at 11:30 EDT. Please register for the event here:

https://zoom.us/meeting/register/tJEldumtpjlrHNbAwLA_nzIKVo5aP7q9-W65



IGSHPA would like to highlight news and views from our friends and partners at state geothermal associations. This month, we are happy to provide an update from the Maryland Geothermal Association.

Great news for the geothermal industry out of Annapolis! On the final day of the 2021 Legislative Session, with overwhelming and bipartisan support, the Maryland General Assembly passed legislation that will make Maryland a national leader in geothermal energy and create new high-paying drilling and installation jobs throughout state by creating a first-of-its-kind geothermal carveout within Maryland's existing Renewable Portfolio Standard (RPS).

Sponsored by Senator Brian Feldman (D-Montgomery) and Delegate Lorig Charkoudian (DMontgomery), the bill allows Marylanders to take advantage of the thermal energy in the ground, which remains at a constant temperature of 55 degrees year-round. By harnessing that thermal energy, geothermal systems are the most efficient and lowest carbon approach to electrifying heating and cooling in buildings.

Passing this legislation will help Maryland meet the Governor's 2030 Greenhouse Gas Reduction Act Plan goals, which calls for a 50% reduction in emissions by 2030. As the Plan clearly shows, hitting this target will require Maryland not only to decarbonize its electricity grid, but to dramatically reduce its reliance on the fossil fuel energy sources that currently heat the majority of the state's residential and commercial buildings. Today, about 18% of Maryland's greenhouse gas emissions come from heating and cooling in buildings.

The legislation had broad support, not just from the geothermal industry – including the more than 130 Maryland companies that comprise the Maryland Geothermal Association and the Maryland Water Well Drillers Association – but from environmental justice advocates, labor organizations, the NAACP, environmental groups and others.

“Geothermal is a labor and capital intensive industry that creates high-paying jobs in the State,” said Adam Santry, President of the Maryland Geothermal Association. “This bill will help Maryland catch up to other states with geothermal incentives already in place, grow good-paying jobs and make the benefits of clean, efficient heating and cooling available to all Marylanders, including low and moderate income communities.”

Read more about this groundbreaking achievement for the geothermal industry here: <https://wtop.com/maryland/2021/05/maryland-eyes-expansion-of->

More News & Events

NY-GEO - Webinar Series Continues

Our friends at the New York Geothermal Energy Organization have been conducting a fantastic webinar series that deserves the attention and attendance of industry professionals across the country.

Be sure to tune in Tuesday, June 1st for **Electrifying Buildings Part II: The Role of Envelope Improvements**. This event will feature Hal Smith of Halco Energy and Courtney Moriarta of NYSERDA for an engaging and informative discussion on an important building science topic that has great importance for geothermal system designers.

To see recordings of past webinar sessions you might have missed, please click [here](#).

And to register for this session and upcoming sessions (held each Tuesday at noon Eastern) please click [here](#).

EPRI Electrification 2021 Virtual Events

The Electric Power Research Institute (EPRI) will not be holding its previously planned, in-person event this May and has instead organized a series of in-depth, topically relevant, virtual forums that will take place in May and June.

At IGSHPA, we're proud to serve as an official Supporting Organization of the Electric Power Research Institute's (EPRI) [Electrification 2021 Virtual Forum Series](#) and encourage you to make a smart investment by joining us at upcoming forums on e-mobility and energy system decarbonization.

Like the successful "Building to Zero" forum – the first in the Electrification 2021 series – the two events in June will provide comprehensive coverage of the latest trends, tools and technologies to enable progress on targeted, equitable electrification solutions.

Here's a look at just a few of the session topics:

Frontiers of e-Mobility, June 7-10

- The Mad Dash for the Last Mile – Electrifying Local Delivery
- Charging and Financing the Future of e-Mobility
- Crossing the Megawatt Charging Frontier
- Adults at Play – Recreational and Work EVs

A Net-Zero Energy System for All. June 28-30

- Raising the Bar on Resilience
- Affordability – The Achilles' Heel of Decarbonization?
- A Little Bit Urban, A Little Bit Rural – Decarbonization for All Communities
- Delivering on Zero-Carbon Hydrogen

For more information and to register, visit <https://www.electrification2021.com/>

NYC Announces Path to Utility Geothermal

On April 21, New York City Mayor Bill de Blasio announced the city's effort to accelerate its transition from fossil fuels by supporting the deployment of geothermal heat pumps at utility scale. The city intends to identify project sites and pursue legislation that would spur deployment of the technology. NYC's move to embrace geothermal technology represents a broader trend of building decarbonization throughout the country. New York has been a leader in this effort and continues to push the envelope for clean heating. Many other states and cities are watching and planning their own energy transitions that will include geothermal heat pumps.

Read the press release [here](#).

GTO is Hiring!

Are you a general engineer or physical scientist interested in working for the Department of Energy's Geothermal Technologies Office? GTO is currently seeking applicants for a General Engineer/ Physical Scientist position to serve as a Technology Manager in the Data, Modeling, and Analysis subprogram in

Golden, Colorado, or Washington, D.C.

Interested candidates can read more [here](#) and [here](#).

If you have any job postings that you would like to be included in our newsletter please send them to us at info@igshpa.org

UPDATE from GeoExchange

GEO Makes Strides on Capitol Hill

IGSHPA's partner, the Geothermal Exchange Organization, continues its advocacy work in Washington, D.C. On April 21, Senator Ron Wyden (D-OR) introduced the Clean Energy for America Act. This ambitious legislation would make major changes to America's energy landscape, incentivizing the adoption of clean technologies and reducing government support for fossil fuels.

GEO has spent several years engaged in a series of conversations with Sen. Wyden and his staff to educate them about geothermal heat pump technology. This advocacy work has paid off with the introduction of this landmark bill. Among other important provisions, the legislation:

- Creates a new residential energy efficiency property credit that applies to geothermal heat pumps (GHPs) and is indexed to inflation.
- Increases the commercial credit for GHPs to be in line with solar. The existing commercial credit is at 10%. The bill raises it to 30% and makes it permanent.

GEO is extremely grateful to Sen. Wyden and the Senate Finance Committee staff for ensuring that GHPs are appropriately recognized and characterized in the proposed language. GEO now moves its efforts to the House of Representatives where similar provisions are being considered for a separate energy bill. The different versions of the bills will be reconciled in bicameral negotiations later this spring and summer with the ultimate goal of inclusion in a 2021 infrastructure package.

GEO is deeply involved in the ongoing deliberations and discussions on Capitol Hill and continues to press for strong support of the geothermal industry. If you have any questions about GEO's efforts in Washington, please reach out to info@geoexchange.org.

Announcements

Training Committee

The Training Committee has been meeting regularly to discuss revisions to existing curriculum and plan for future courses. There are planned updates to the Accredited Installer course and implementation of the Certified Residential Designer course. For any questions about the work of the training committee, please send your inquiry to info@igshpa.org.

We Need You!

If you are willing to volunteer your time to continue to promote our industry, we are looking for your help! Please contact us at info@igshpa.org with your interest in volunteering. Please also keep your eye out for any opportunities on our website and social media feeds!

Membership Survey

If you have not completed the IGSHPA Membership Interests Survey, please do so at <https://forms.gle/pWyy2YbmownDhHzf7>

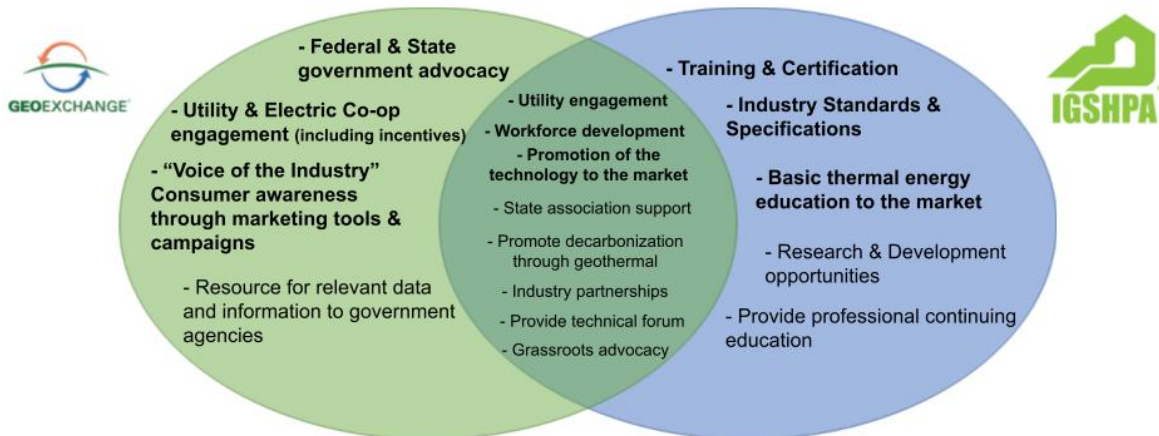
Town Hall Topics

We will be hosting Town Hall with Seminar events every month and welcome your suggestions for topics you'd like to hear more information on. Suggestions we have received to date include:

- Overview of the individual training classes offered by IGSHPA
- The benefits of geothermal, including lower maintenance, indoor air quality, etc.
- Commercial building, K-12 & mixed-use building case studies
- Financing options (ESCO's, PACE, bonds, etc.)
- The process of getting started on a geothermal project (feasibility, when to do a TC test, etc)

The purpose of the geothermal heat pump industry is to promote a sustainable and decarbonized future across the globe through the adoption of geothermal as the cleanest, most efficient heating and cooling technology.

The mission of the geothermal heat pump industry is to promote a unified effort to encourage the adoption of geothermal by increasing understanding, awareness and adoption through....



At the February Town Hall meeting, the IGSHPA Board presented a working version of its joint Vision and Mission Statement with GeoExchange. If you have thoughts or comments on this statement, please reach out, we would love to get your input.

