



# Newsletter 2022 Q2

This newsletter includes a curated collection of top stories from [World Geothermal Energy Day](#), and the global media, showcasing the latest in Geothermal Energy innovation. Please get in [touch](#) if you'd like to be a guest contributor, or if you have any feedback or tips.

**[Happy Earth Day!](#)**

## **THE LATEST NEWS IN GEOTHERMAL ENERGY**

**Geothermal heat pumps are among the most earth-friendly home energy sources, experts say**  
<https://www.washingtonpost.com/business/2022/03/29/home-geothermal-heat-pumps/>

**ORMAT COMPLETES MCGINNESS HILLS COMPLEX EXPANSION**  
<HTTPS://WWW.ORMAT.COM/EN/COMPANY/NEWS/VIEW/?CONTENTID=9137>

**At sweltering Southwest Georgia military bases, pioneering a cleaner cooling system**  
<https://www.wabe.org/in-sweltering-southwest-georgia-pioneering-a-cleaner-cooling-system/>

**New Toronto Green Standard Pushes Local Developers to Embrace Clean Energy**  
<https://storeys.com/subterra-sts-renewables-toronto-geothermal-energy-systems/>

**WaterFurnace Expands Commercial Offerings**  
<https://www.achrnews.com/articles/146265-waterfurnace-expands-commercial-offerings>

**Climate change three-star general joins CeraPhi's deep geothermal crusade**  
<https://www.renewableenergymagazine.com/geothermal/climate-change-threestar-general-joins-ceraphia-s-20220117>

**Geothermal energy lies right beneath our feet. Could Philadelphia tap into it?**  
[https://whyy.org/articles/geothermal-energy-lies-right-beneath-our-feet-could-philadelphia-tap-into-it/?utm\\_source=Energy+News+Network+daily+email+digests&utm\\_campaign=01c3577405-EMAIL\\_CAMPAIGN\\_2020\\_05\\_11\\_11\\_42\\_COPY\\_01&utm\\_medium=email&utm\\_term=0\\_724b1f01f5-01c3577405-89313072](https://whyy.org/articles/geothermal-energy-lies-right-beneath-our-feet-could-philadelphia-tap-into-it/?utm_source=Energy+News+Network+daily+email+digests&utm_campaign=01c3577405-EMAIL_CAMPAIGN_2020_05_11_11_42_COPY_01&utm_medium=email&utm_term=0_724b1f01f5-01c3577405-89313072)

**Watch Ormat's CD4 Community Benefit Video**  
<https://ormat.us2.list-manage.com/track/click?u=c5a30ef8e9874213fa41116ce&id=122822d37f&e=730fc8c117>

**A net-zero future for gas utilities? Switching to underground thermal networks.**  
<https://www.canarymedia.com/articles/utilities/a-net-zero-future-for-gas-utilities-switching-to-underground-thermal-networks>

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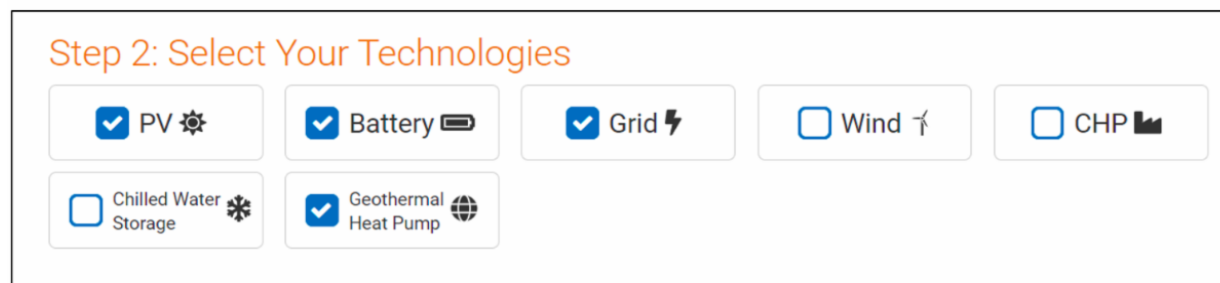
Are you looking to expand your organization's relationships, networking and leads in the geothermal marketplace? If so, consider sponsoring World Geothermal Energy Day. Submit your stories about projects and people to celebrate and recognize your organization's success. Join the world's largest global outreach platform for sharing geothermal education, events, news, and achievements. See more details and donate at: [www.WorldGeothermalEnergyDay.org](http://www.WorldGeothermalEnergyDay.org)



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**NREL's REopt Web Tool: Geothermal Heat Pump Module Now Available** - The National Renewable Energy Laboratory (NREL) recently developed and released a new geothermal heat pump technology module as part of the REopt™ web tool. The new module allows users to simulate the impacts that converting conventional heating and cooling systems to geothermal heat pumps have on on-site consumption of fuels and electricity, utility costs, and CO2 emissions. The REopt web tool enables users to optimize system sizes and battery dispatch strategies to minimize energy costs by entering their facility data, including utility rates, billing history, and local weather. REopt can also be used to estimate how long a system can sustain critical loads during a grid outage, informing resiliency strategies. Check out the [updated tool!](#)



*Excerpt from the [REopt Tool](#) showing Geothermal Heat Pump as a selection*

## [Global Geothermal Power Market is projected to grow at a CAGR of 5.0% By 2032 - Yahoo Finance](#)

... Market Segment by Technology (**Ground Source** Heat Pumps, Direct-Use **Geothermal** Power, Deep **Geothermal** Power Systems, Enhanced **Geothermal** Power ...

## [Traunreut geothermal plant in Bavaria sold to British investment group - ThinkGeoEnergy](#)

British investor Equitix acquires the **combined heat and power** ... The plant was sold by Grünwald Equity, which was advised by Augusta & Co.

## **Italy's Mt Etna volcano erupts for first time this year**

<https://www.bbc.com/news/av/world-europe-60351395>

## **CHING-SHUI INAUGURATION CEREMONY IN TAIWAN**

<https://www.ormat.com/en/company/news/view/?ContentID=9182>

## **CeraPhi Energy and Climate Change Ventures collaborate for baseload Green Hydrogen**

<https://ceraphi.com/ceraphi-energy-and-climate-change-ventures-collaborate-for-baseload-green-hydrogen/>

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**Financing Helps Meet Rising Demand for Residential Georexchange** – “Over the last five years, Toronto-based VCIB has amassed a track record for financing georexchange projects that provide low-carbon heating and cooling to buildings across a range of asset classes, types, and geographies — from new builds to refinancing successful projects as they move into the next operational life cycle, and from single-family homes and subdivisions to large condo complexes.” In true Canadian fashion, the article calls it “Skating to where the puck will be.” Thanks to NY-GEO member Paul Coons for this tip. [Full story here.](#)

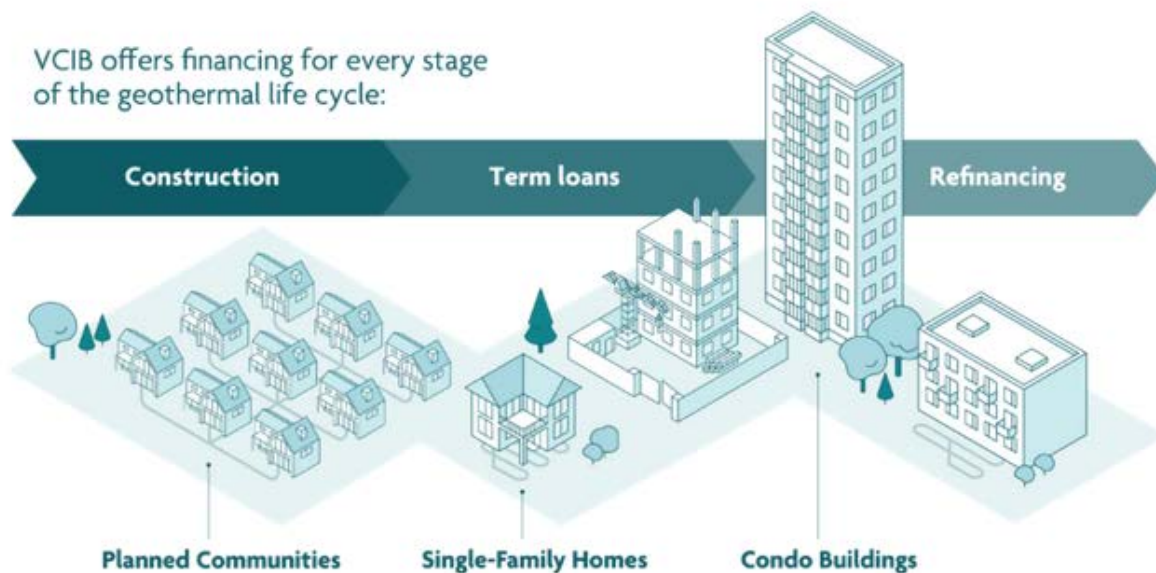


Image credit: VCIB.

## Request for Information: Department of Defense Seeks Information Related to Geothermal Energy

The Department of Defense (DoD) recently [issued a request for information \(RFI\)](#) seeking information related to the feasibility of implementing a firm-fixed-price renewable energy supply agreement for geothermal energy for use at multiple DoD locations.

## State's climate council wants heat pumps in all new homes by 2024

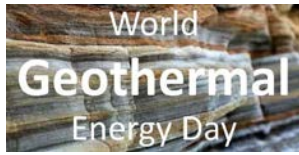
<https://www.timesunion.com/environment/article/Climate-council-wants-heat-pumps-in-all-new-homes-16735773.php>

## Colleges see untapped potential in geothermal district energy systems

[https://energynews.us/2022/02/07/colleges-see-untapped-potential-in-geothermal-district-energy-systems/?utm\\_medium=email&utm\\_source=rasa\\_io](https://energynews.us/2022/02/07/colleges-see-untapped-potential-in-geothermal-district-energy-systems/?utm_medium=email&utm_source=rasa_io)

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## **ELECTRIC POWER and ENERGY TRENDS**

### **Economist Lord Stern to Receive Top Energy Policy Prize**

Lord Nicholas Stern, professor at the London School of Economics and Political Science (LSE), author of the groundbreaking Stern Review on the Economics of Climate Change, and former chief economist and senior vice president of the World Bank will accept the Carnot Prize on Penn's campus in April.

[Read more](#)

### **U.S. Electricity Regulator Grapples with Barriers to a Clean Grid**

Who will pay for the electric grid of the future? The Federal Energy Regulatory Commission explores options to incentivize and finance a vast transmission network to support clean energy.

[Listen](#)

### **The Biden Administration's Offshore Wind Fantasy**

[https://www.manhattan-institute.org/lesser-biden-administrations-offshore-wind-fantasy#notes?utm\\_source=mailchimp&utm\\_medium=email](https://www.manhattan-institute.org/lesser-biden-administrations-offshore-wind-fantasy#notes?utm_source=mailchimp&utm_medium=email)

### **A Brief History of Geothermal Energy Use**

[http://web.mit.edu/nature/archive/student\\_projects/2009/bjorn627/TheGeothermalCity/History.html](http://web.mit.edu/nature/archive/student_projects/2009/bjorn627/TheGeothermalCity/History.html)

### **A Brief History of Geothermal Heating and Cooling**

<https://dandelionenergy.com/the-history-of-geothermal-heating-cooling>

### **Bellingham - Washington's 3<sup>rd</sup> city to require electrification of new commercial and large residential buildings**

<https://www.re-sources.org/2022/02/bellingham-sets-strong-standards-for-climate-and-health-friendly-electric-buildings/>

### **IEEFA: Solar recharging of electric vehicles is a far more efficient use of land than ethanol crops for blended fuel in India** *Charles Worringham and Press Release*

India: Ethanol Blending is Inefficient 23 March (IEEFA): India's 2025 target for 20% ethanol blending in petrol requires large increases in ethanol from sugar and grains. A new report by the Institute for Energy Economics and Financial Analysis (IEEFA) shows that generating solar energy to recharge electric vehicle (EV) batteries would be a far more efficient use of land than [...]

[Read in browser »](#)

### **Biden's proposed budget includes nearly \$45B for climate and clean energy, a 7% increase for DOE**

[https://www.utilitydive.com/news/biden-proposed-budget-2023-climate-doe/621168/?utm\\_source=Sailthru&utm\\_medium=email&utm\\_campaign=Issue:%202022-03-29%20Utility%20Dive%20Newsletter%20%5Bissue:40716%5D&utm\\_term=Utility%20Dive](https://www.utilitydive.com/news/biden-proposed-budget-2023-climate-doe/621168/?utm_source=Sailthru&utm_medium=email&utm_campaign=Issue:%202022-03-29%20Utility%20Dive%20Newsletter%20%5Bissue:40716%5D&utm_term=Utility%20Dive)

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## **UPCOMING EVENTS** (please let us know of any upcoming events that we should share)

The [sixth annual NY-GEO Renewable Heating & Cooling Conference](#) at the Albany Wolf Road Marriott Hotel on April 27th & 28th 2022

**May 11, 2022 @ 11:30 ET: IGSHPA Virtual Town Hall** (Session 1 of Two-Part Series- Residential Geothermal Application: How does it compare to Conventional? Tech Portion) Register [here](#).

[October 6<sup>th</sup> – International Conference on Geothermal Systems. Thu Oct 6 – Fri Oct 7.](#)



## **World Geothermal Energy Day – October 17**

Benefits of Sponsorship Payments to World Geothermal Energy Day:

- Your Company LOGO posted prominently on the web site
- Hyperlink of LOGO back to your web site URL
- Publishing and promoting your event, celebration, or article
- Listing on Social Media campaigns with special hashtags
- Use of Official event Logo on your site and in social media
- Access to artwork library from site
- Access to social media cards from site
- Inclusion in long term planning meetings for this "Day" event.
- Networking opportunity with other sponsors, supporters and donors, globally

Cement your place in the movement. The Heat Beneath Our Feet... [please donate now.](#)

## **Join something truly historic, HELP The Geothermal CAUSE, and pay forward**

Join the World's Largest Geothermal Education Movement! [Donate](#). Take advantage of this opportunity to propel your message to a global audience using this high-tech social media outreach platform. If you haven't already done so, please consider making a contribution at <https://worldgeothermalenergyday.org/>. Your support as a sponsor or partner will enable us to put your company on the [World Geothermal Energy Day](#) website, broaden outreach, elevate, and recognize geothermal heroes! Your generous donation in any amount will fund the mission for World Geothermal Energy Day celebrations. [#WorldGeothermalEnergyDay](#)

[DONATE NOW](#)



Make a donation today and help support our efforts to amplify your message, globally.

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