

Teverra Brings the Future of Geothermal to Capitol Hill

July 2026

As America's electricity demand reaches levels not seen in decades, the conversation in Washington is changing. Policymakers are increasingly focused on one question: How do we power the next generation of American innovation while maintaining reliability, affordability, and energy security?

In July 2026, Teverra, a U.S.-based energy technology company specializing in geothermal energy, traveled to Capitol Hill to help answer that question.

Representing the company were Founder Hamed Soroush, CEO Randal Wichuk, and Legislative Strategy Advisor Emily Bowers, who met with bipartisan leaders from both the House and Senate to discuss how advanced geothermal technologies, and subsurface thermal energy storage solutions like ResStor™, can help strengthen America's energy future.

Throughout the day, the team met with the offices of Senator Jon Ossoff (D-GA), Representative Suhas Subramanyam (D-VA), Representative Andrea Salinas (D-OR), Senator John Hickenlooper (D-CO), Representative Pat Harrigan (R-NC), and Senator Lisa Murkowski (R-AK). Despite representing states with vastly different energy portfolios and political perspectives, each office shared a common interest in advancing reliable, domestic energy technologies capable of supporting America's rapidly growing electricity demand.

During the meetings, Teverra shared lessons learned from its Department of Energy and Department of Defense projects, demonstrating how advanced subsurface technologies can accelerate commercialization of geothermal energy while improving energy resilience. While each conversation reflected the priorities of the Member's home state, three themes consistently emerged.

A Bipartisan Appetite for Geothermal Innovation

One of the strongest takeaways from the day's meetings was that geothermal energy continues to earn support across party lines.

From Western states with established geothermal resources to fast-growing data center markets in the Southeast, Members of Congress expressed interest in technologies that can provide dependable and dispatchable, 24/7 energy while strengthening U.S. energy independence.

Teverra highlighted its work as a trusted partner on Department of Energy and Department of Defense projects, showcasing expertise in enhanced geothermal systems (EGS), subsurface characterization, and thermal energy storage. The discussions reinforced that next-generation geothermal is increasingly viewed not as an emerging technology of the future—but as an important component of America's evolving energy portfolio today.

"Innovation happens when technology, science, and policy move together," said Hamed Soroush, Founder of Teverra. "Our conversations on Capitol Hill demonstrated that leaders from both parties

recognize geothermal's potential to strengthen America's energy future while creating new opportunities for innovation and economic growth."

Data Centers Are Driving a New Energy Conversation

Another recurring theme throughout the meetings was the rapid growth of AI and data centers.

Representatives from Virginia, Georgia, North Carolina, Oregon, and Colorado all acknowledged the unprecedented electricity demand being driven by digital infrastructure. Rather than focusing solely on expanding generation, many offices were interested in technologies that improve how energy is used.

Teverra shared how ResStor™, the company's underground thermal energy storage technology, can help data centers dramatically reduce cooling-related electricity demand by storing thermal energy during off-peak hours and deploying it when demand is highest. By reducing annual electricity consumption by 60–80 percent while lowering carbon emissions and improving resilience, ResStor offers a practical solution that complements both geothermal systems and traditional grid infrastructure.

The conversations reflected an important shift in thinking: powering the digital economy will require not only more energy, but smarter energy.

Permitting Remains One of the Biggest Barriers

While enthusiasm for geothermal continues to grow, nearly every office recognized that permitting remains one of the industry's greatest challenges.

Across the country, geothermal developers often navigate multiple agencies, outdated regulations designed for water wells or oil and gas development, and inconsistent state permitting frameworks. These complexities can delay projects and increase costs despite broad support for domestic energy innovation.

Teverra encouraged Congress to continue supporting federal research while also helping states modernize geothermal permitting through technical assistance, clearer guidance, and improved coordination among agencies.

Streamlining permitting, the team emphasized, is one of the most effective ways to accelerate deployment without compromising environmental protections or public oversight.

"The technology is advancing rapidly," said Randal Wichuk, CEO of Teverra. "Now we have an opportunity to modernize the policies that support it. When innovation and permitting move at the same pace, America is positioned to lead."

Building Relationships That Move Innovation Forward

Beyond the policy discussions, the Capitol Hill meetings reinforced the importance of collaboration.

Whether discussing geothermal deployment in Alaska, data center growth in Virginia, energy storage opportunities in Georgia, or commercialization pathways in Oregon, every conversation centered on partnership—between innovators, policymakers, federal agencies, and the private sector.

"Our goal isn't simply to advocate for legislation," said Emily Bowers, Legislative Strategy Advisor to Teverra. "It's to serve as a resource. These conversations are about building long-term relationships that help policymakers understand how innovative technologies can solve real-world energy challenges."

As electricity demand continues to rise, technologies like advanced geothermal and thermal energy storage will become increasingly important tools for strengthening grid reliability, supporting military resilience, powering AI infrastructure, and advancing American energy security.

Looking Ahead

The momentum behind geothermal innovation continues to grow.

In another encouraging step forward, H.R. 8790, the Next-Generation Geothermal Research and Development Act, recently passed the U.S. House of Representatives. Introduced by Representative Pat Harrigan (R-NC) with original cosponsor Representative Andrea Salinas (D-OR), the bipartisan legislation expands federal support for next-generation geothermal research, development, demonstration, and commercialization.

For Teverra, the bill represents more than legislative progress—it reflects growing recognition that geothermal energy and innovative technologies like ResStor can play an essential role in meeting the nation's future energy needs. As conversations on Capitol Hill demonstrated, the opportunity to strengthen America's energy resilience is no longer a question of if, but how quickly the country chooses to move forward.

Teverra remains committed to working with policymakers, industry partners, and research institutions to accelerate deployment of geothermal energy and thermal energy storage technologies that strengthen America's energy resilience and economic competitiveness.