



# Renewable energy solutions plus

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RE+ (featuring SPI and ESI) hosts the most comprehensive event for the renewable energy industry, 20 years running. By recognizing that energy sources and their infrastructure are the most efficient and productive when working in tandem, we are helping the renewable energy industry pave the future for a modern, resilient grid.

RE+ offers business opportunities and education for many industries within the energy industry--solar, storage, wind energy, electric vehicles and electric vehicle infrastructure, microgrids, and hydrogen and fuel cells. Past exhibitions have also included geothermal and biomass.

At RE+ Tech, you have full access to the Expo Hall where you can meet with exhibitors across industry segments, see and share the latest research in clean energy, and more.

Posters: The poster area at RE+ hosts hundreds of educational posters featuring renewable energy projects, research, and educational programs. See the latest research and meet with poster presenters from universities, national labs, and innovative clean energy companies.

The American-Made program is your fast track to the clean energy revolution. Powered by the U.S. Department of Energy, with support from the National Renewable Energy Laboratory, we incentivize innovation through prizes, training, teaming, and mentoring, connecting the nation's entrepreneurs and innovators to America's national labs and the private sector.

The live microgrid demonstration will feature a fully operating "hybrid" bi-directional residential microgrid, complete with appliances, HVAC, lighting, EV charging, and various plug load distributions. Power resources for the microgrid will be a combination of solar, battery, and utility energy. The microgrid will power both AC and DC devices and appliances in a simulated residential setting. It will also be interconnected in a simulated multi-tiered grid-of-grids network of other microgrids and the macrogrid.

The GridWise Architecture Council partnered with RE+ for the 8th Symposium, where they discussed the challenges and opportunities associated with the ongoing Grid Transformation.

This year's two-day symposium brought together industry leaders to discuss the benefits and challenges of architecting, managing and operating electric power systems with the widespread adoption of distributed energy resources. The symposium engaged attendees to discuss new guidance and recommended practices for the next generation of stakeholders in the most complicated and expensive system ever built: the electric power grid.

The U.S. Department of Energy (DOE) Solar Energy Technologies Office (SETO) hosted workshops and



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other events at RE+ 2024, a clean energy industry conference that was held September 9-12 in Anaheim, California. SETO staff participated in education and show floor sessions, highlighting the office's efforts to drive innovation, lower costs, and support the equitable transition to a decarbonized power sector by 2035 and a decarbonized economy by 2050.

SETO expanded its National Community Solar Partnership, now NCSP+, beyond community solar to include low- to moderate-income rooftop solar, community-facing commercial solar, and distributed solar + storage, like virtual power plants and microgrids.

The Community Power Accelerator is an online platform that connects community solar developers with investors, philanthropists, and community-based organizations to get more equity-focused community solar projects financed and deployed. SETO is expanding the Accelerator to include community-benefitting distributed solar and solar + storage projects and announced round three of the Community Power Accelerator Prize.

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