

NEWS STORY HEADLINES

August 15-16, 2022

1.) The U.S. Department of Energy's Frontier Observatory for Research in Geothermal Energy (FORGE) field laboratory has announced up to \$44 million for up to 17 awards for projects to develop and test technology to foster innovation in enhanced geothermal systems (EGS). This will build on FORGE's existing EGS work and focus on reproducible solutions and dissemination of technical data.

U.S. Department of Energy, August 15, 2022

<https://www.energy.gov/articles/doe-announces-44-million-advance-enhanced-geothermal-systems>

and

<https://www.thinkgeoenergy.com/us-doe-announces-44m-funding-for-egs-innovation-projects>

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2.) U.S. electricity generation from renewable sources, such as hydropower, wind, and solar, accounted for 20% of electricity generation both in 2020 and in 2021. EIA now expects that share to increase to 22% in 2022 and to 24% in 2023 as more generating capacity from wind and solar come online and other generation sources, such as coal and nuclear, are retired.

U.S. Energy Information Administration, August 16, 2022

<https://www.eia.gov/todayinenergy/detail.php?id=53459>

Editor's Note: EIA's figures do not seem to include distributed solar. By mid-year 2022, renewables were providing over one-quarter of the nation's electricity. Therefore, by the end of the year, actual generation will likely be higher than EIA's forecast – probably closer to 24%.

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3.) Renewable IPP has announced an 8.5-MW solar project that will supply renewable energy to Alaska utility Matanuska Electric Association. It will be the largest solar asset in the state. Construction on the Houston, Alaska, site commences in August 2022 with an anticipated completion date of summer 2023.

Solar Power World, by Kelsey Misbrener, August 16, 2022

<https://www.solarpowerworldonline.com/2022/08/renewable-ipp-to-build-largest-solar-project-in-alaska>

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4.) Three new DOE reports show that wind power remains one of America's fastest growing energy sources and a generator of high-quality jobs. Wind power accounted for 32% of U.S. energy capacity growth in 2021, employs 120,000 Americans, and now provides enough energy to power 40 million American homes. Cumulative U.S. distributed wind capacity stands at 1,075-MW from the more than 89,000 wind turbines across all 50 states. As of May 2022, 24 offshore wind projects have signed contracts to sell their power, totaling 17,579-MW.

U.S. Department of Energy, August 16, 2022

<https://www.energy.gov/articles/doe-finds-record-production-and-job-growth-us-wind-power-sector>

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5.) Innergex Renewable Energy has signed a long-term 320-MW PPA deal with PacifiCorp to supply electricity from its Boswell Springs onshore wind project in Wyoming. The 30-year agreement will cover power produced by the wind farm once it is operational at the end of 2024.

ReNews.Biz, August 16, 2022

<https://renews.biz/79862/innergex-pacificorp-agree-ppa-deal-for-320mw-boswell-springs>

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6.) Apex Clean Energy has secured financing for its 224-MW Great Pathfinder onshore wind project in Boone and Hamilton Counties, Iowa, following the execution of a tax equity commitment from Bank of America. It will feature 66 GE turbines and is currently in construction with commercial operations expected to commence before the end of the year. Tech giant Meta will offtake power from the wind farm under a long-term PPA for the full capacity of the project.

ReNews.Biz, August 16, 2022

<https://renews.biz/79863/apex-closes-financing-on-224mw-iowa-wind-farm>

and

<https://www.nacleanenergy.com/wind/apex-clean-energy-secures-financing-for-224-mw-great-pathfinder-wind>

and

<https://nawindpower.com/apex-clears-financing-for-224-mw-iowa-wind-farm-with-meta-ppa>

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7.) Energy Vault will build 220-MWh of battery storage projects for Jupiter Power in Texas and California. The company will supply a 100-MW/200-MWh BESS at a Jupiter Power Facility near Fort Stockton, Texas, which will provide energy and ancillary services to ERCOT. It will also construct and commission a smaller 10-MW/20-MWh BESS unit for Jupiter in Carpinteria, California.

Energy Storage News, by Cameron Murray, August 16, 2022

<https://www.energy-storage.news/energy-vault-to-build-220mwh-of-battery-storage-projects-for-jupiter-power-in-texas-and-california>

and

<https://www.nacleanenergy.com/energy-storage/energy-vault-and-jupiter-power-announce-agreement-for-battery-energy-storage-projects-in-texas-and-california-totaling-220-mwh>

and

<https://pv-magazine-usa.com/2022/08/16/energy-vault-and-jupiter-power-partner-for-220-mwh-battery-energy-storage-in-texas-and-california>

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8.) A Reports and Data analysis finds the hydrogen fuel cell market is expected to grow at a CAGR of 21.2% through 2030 and be valued at \$80.48 billion. A separate report from Research and Markets finds the fuel cell generator market will grow at almost a 20% rate through 2030 and be valued at \$1.4 billion.

Environmental Leader, by David Worford, August 15, 2022

<https://www.environmentalleader.com/2022/08/fuel-cell-markets-grow-with-emphasis-on-energy-efficiency>

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9.) July 2022 was the world’s sixth-hottest July in the 143-year global climate record. The month’s land and ocean-surface temperature for the globe was 1.57 degrees F above the 20th-century average of 60.4 degrees F. North America saw its second-hottest July on record. July marked the 46th-consecutive July and the 451st-consecutive month with temperatures above the 20th-century average. The five warmest Julys on record have all occurred since 2016.

National Oceanic & Atmospheric Administration, August 12, 2022

<https://www.noaa.gov/news/earth-had-its-6th-hottest-july-and-year-to-date-on-record>

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10.) California Governor Gavin Newsom is proposing to keep the two units of the Diablo Canyon nuclear plant in San Luis Obispo County online until 2029 and 2030 – as opposed to shuttering the facility entirely by its planned 2025 final closure date – while also exploring the option of extending the plant’s life through 2035. One turbine at the plant currently is set to close in 2024 and the second in 2025. He has offered legislation that would loan plant operator Pacific Gas and Electric Co. as much as \$1.4 billion to support plant operations.

EE News, by Anne C. Mulkern, August 15, 2022

<https://www.eenews.net/articles/calif-governor-gives-lifeline-to-states-last-nuclear-plant>
and

<https://www.utilitydive.com/news/california-diablo-canyon-nuclear-plant-open-newsom-bill/629727>

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