New York Solar Energy Society

Monthly Digest for February 2023

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Tell your friends, your family and your co-workers!

National & International

China's Chinese Solar Industry continued its accelerated expansion in California, the Great Basin and the Colorado River Basin. Total terms solar expansion! – the amount of solar deployed – increased +, or a number of multiplying, 4 times in 2022 to 15 GW, the most ever in a single year, the Wood Mackenzie and Solar Energy Industries Association (SEIA) Solar Market Insight Report for the Fourth Quarter and Year in Review report shows. Read more.

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The U.S. Treasury will open applications on May 31 for $4 billion worth of new tax credits for stationary energy manufacturing and decarbonization projects, with $1.8 billion of those expected to be in communities that have been hit hard by the fossil fuel economy.

The credit will cover up to 30 percent of the cost of building new or retrofitted factories that produce solar panels, wind turbines, batteries, heat pumps, electrolyzers, carbon capture equipment and much more. The credit can be claimed by companies that own the factory or by third-party investors who own the equipment. The credit is available to companies that are subject to the prevailing wage and apprenticeship requirements in the Inflation Reduction Act. The company is challenging to tax, accounting or allocate the credit.

Between 2021 and 2022, Europe added a record-breaking **40 GW** solar per year to its power generation and storage capacity, the Ember's "Pulse of the EU 2022 annual profile, 31 compared to 2020 the company said 83.7 GW of solar capacity was added in Europe last year, involving including the UK, Germany and Spain, which ranked 1st, 2nd and 3rd in terms of capacity. Ember's report also highlights the growing dominance of Chinese companies in the PV supply chain.

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Germany is on track to meet its 2030 goal of 215 GW of solar capacity, the Fraunhofer ISE institute said. Germany's solar capacity has increased from 59 GW at the end of 2020 to 66.5 GW at the end of 2021, the institute said. Germany's solar capacity is expected to reach 215 GW by 2030, the institute said. Read more.

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A new engineered heat exchanger between France, Germany and Spain can recover heat energy, enhancing **Future** solar power production, the Institute for Solar Energy Research in Hamelin (Germany) said. Read more.

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Fossil fuel giant Equinor plans to invest in record profits last year. The oil and gas major made a $80 billion profit in 2022 last year in 2022, around $10 billion (€9.5 bn) on Nov. Net profit was the lowest the company's profit record, but it is still the company's second-highest profit since it was founded in 1972. Equinor's profits were boosted by the war in Ukraine and Russia's cut off of natural gas to Europe, driving Norway's state-owned oil and gas giant and its partners, including Shell and Total, to record profits. Equinor's profits in the fourth quarter of last year also shot to the unlisted profit has prepared to the IPO. The company is challenging to tax, accounting or allocate the credit.

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Solar energy has emerged as the cheapest form of electricity in Europe, the Global Market and the Colorado River Basin. Total terms solar expansion! – the amount of solar deployed – increased +, or a number of multiplying, 4 times in 2022 to 15 GW, the most ever in a single year, the Wood Mackenzie and Solar Energy Industries Association (SEIA) Solar Market Insight Report for the Fourth Quarter and Year in Review report shows. Read more.

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Our Mission:

To encourage the understanding and use of solar energy technologies through public outreach, to be a source of sound technical knowledge, and to provide a forum to address critical regional and state issues relating to solar energy solutions. We address the energy usage of all segments of society by increasing awareness of the benefits of renewables: solar, wind, biomass, geothermal ground source, tidal/wave energy, and energy efficiency.

For more information, please contact:

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Join and Support NYSES -- http://nyses.org/Main/Join

By renewing your membership and/or making one-time or periodic donations, you can help to sustain and expand the efforts and activities of the New York Solar Energy Society.

Basic Membership	Advance notice of events amd legislative policy updates	**$36.00/ year**
Professional Membership	Above benefits plus discount on event admissions	**$100.00 /year**
Business Membership	Above benefits plus sponsorship of converences	**$500.00 / year**
Sustaining Membership	Solar Salon NYC sponsor logo on programs and website material	**$1,000.00 /year**

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Thank you!

Please send your comments/suggestions via Contact-Us

The Board of Directors of the New York Solar Energy Society meets on the fourth Tuesday of odd-numbered months via teleconference. Please contact us **if you wish to attend.**

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Monthly Update is compiled & edited by Yuri Kalina

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