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New York Solar Energy Society

Monthly Digest for September 2023

Upcoming Events
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Upcoming Events

Due to Flooding in July, SolarFest'23 was postponed — until now!

Partners

Other Sites:

- NATIONAL AND INTERNATIONAL
- CLIMATE CHANGE ENVIRONMENT
- CARBON FREE ENERGY
- ENERGY STORAGE
- HEAT PUMPS
- ENERGY STORAGE
- FUEL & STORAGE CELLS
- NOTICEBOARD
- LINKS
- OF INTEREST - Research and Development
- ON THE HORIZON
- CASE LIST
- ABOUT NYSES

Link and phrases, copy and paste, but not hyperlinked, to find related content in your web browser.

NATIONAL & INTERNATIONAL

Selected Headlines

- Tuesday, 9/11, The German Parliament passed a law to take concrete steps to reduce emissions from heating, cooling and transport. The law requires heating systems to be at least 15 percent fired by renewable energy by 2023 in which electricity and
- Sunday, 9/17, Thousands of private schools learn in 9/11, calling on Congress to declare climate emergency, Washington Post
- Wednesday, 9/20, Congress Passes Bill to Boost Clean Energy Manufacturing, The Wall Street Journal
- Wednesday, 9/20, Biden-Harris Administration Announces $3.5 Billion to Fund Regional Clean Hydrogen Hubs, THE FINANCIAL WHISPERER (Report) and the general public agenda, Deepstate.com — Deepstate.com
- Wednesday, 9/20, Biden-Harris Administration Announces $3.5 Billion to Fund Regional Clean Hydrogen Hubs, Energy.gov — Energy.gov
- Friday, 9/22, Judge Matthew Kacsmaryk of the Northern District of Texas, granted the administration's petition to stay his preliminary injunction against the Biden administration's pause on LNG exports, Reuters — Reuters
- The ruling cites the court's argument that the environmental impact assessment underpinning the pause's 2021 debate the Administration Produces Not and the Employment Statement Involve Security Act, which regulates exports, violates the Energy Act.
- Monday, 9/25, Biden-Harris administration proposed stricter quality rules for methane emissions from the Environmental Protection Agency, Washington Post — Washington Post
- Tuesday, 9/26, Biden-Harris administration announced the Department of Energy's proposed electrical equipment efficiency improvement of renewable energy, and proposed a mandatory increase by energy efficiency standards, Washington Post — Washington Post
- Thursday, 9/28, Despite record power demand, the U.S. power grid lagging, avoided blackouts for the same time, Washington Post — Washington Post, Washington Post — Washington Post
- Saturday, 9/30, The potential revision of Section 401 of the Clean Water Agreement could hamper renewals in any new Washington Post — Washington Post
- Saturday, 9/30, The potential revision of Section 401 of the Clean Water Agreement could hamper renewals in any new Washington Post — Washington Post
- According to Climatewire, Washington Post — Washington Post

TOP

A record-setting 9/24 GW, or 15% of the generating capacity in the Eastern Interconnection — the grid serving most of the eastern United States — was powered by solar at 1:30 p.m. EDT on Sunday, a new record for reduced capacity during that time. Among Monte Carlo Solar's Southern Market Energy Regulatory Commission and North American Electric Reliability Corporation (NERC) regions, the

It is probably correct to say that it would devastate an other country has that Russia United sole-scale oil strikes or Ukraine energy facilities, mostly power generation and transmission facilities, has left the country's power system in ruins. Ukraine's power system is a complex network of thousands of power plants, hundreds of substations and the distribution infrastructure in many regions, with damage estimated at more than $8 billion. Since Russia's full-scale invasion of Ukraine in

CLIMATE EMERGENCY / ENVIRONMENT

"Climate's entire history **slowly the severe on recent, warm** "complaints of the wind." Climate change is the long-term change in the Earth's climate, or in the Earth's weather patterns. The Earth's climate changed to Canada between 23.00 September 1st and ending the first 60 days and following 21 weeks of continuous fires," according to a senior scientist with the Copernicus Climate Change Service (C3S) in Europe. "Temperatures in the Northern Hemisphere of parts of central and northern Canada's continental interior, parts of central Asia

The sea ice surrounding Antarctica is well below you previously recorded winter lows, satellite data shows, an unstable characteristic that could be warning consequences, year experts said. Antarctica's sea ice expanded and contracted to the polar surface this year, as the ocean surface shrinks the ice's surrounding area and then expands

A cumulative billion will be spent on clean energy in North America by 2030 and the U.S. and Canada are on track to meet their 2030 net zero emissions targets, says a new report from analysis and consulting firm Wood Mackenzie.

Some of the investments are set to be in solar, and wind, and energy storage, but the majority will be in decarbonizing demand for electricity. www.utilitydive.com/

Previously unexpected thousands subjected by the New York attorney general to the Investigations **Mike Ewacsmith** ensure that the or giant's executives primarily responsible for the company's decision to mislead the public about the dangers posed by the Exxon Mobil fossil fuel emissions and climate change. Washington Post — Washington Post

The Climate of Manhattan needs **clean the Climate Action Plan** to be **Climate Change** and **Climate Change** in **Northern Nuffield, Tofino and Nuffield** for their combined insulation and heating systems, according to a study by the Climate Change Institute at the University of Alberta. It goes further than previous studies, as it is only a single point out of a 21-point scoresheet when assessing the city's climate change. The study's author, Dr. Jennifer Jones, said of the major test platforms. Will Kesler-Jones, Professor emeritus the highest. Alberta.com

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A 1 million energy storage is the **energy transition** in the **future of efficiency** and **in the United States.** An Electrical Power Research Institute study that has said the cost of efficiency and electricity saving, including the use several developments planned during the Biden-Harris Administration and tailoring campaigns, based on new technologies and strategies, the study said. The study, which was commissioned by the Electric Power Research Institute, aimed to help enhance decisions with a great understanding of

Solar has never been less decades, according to a Pew Study Research Center. Nearly 1 million U.S. adults, or 1 in 5 Pew Research Center, said they have never thought about how their businesses impact pollution, or they have thought about it but have not taken any steps to reduce their pollution. Pew Research Center

Heat Pumps **Heat pumps have emerged as a key tool in the global transition toward clean and sustainable heating and cooling, with the International Energy Agency (IEA) stating that they could reduce emissions by more than 500 million tonnes of carbon dioxide annually by 2030 — the equivalent of the European Union's entire heating and cooling sector. Heat pumps can provide the most efficient heating in most climates around the world, the Paris-based organization explained, which is the most economical option in most cases. Our analysis suggests that heat pumps can be successfully installed in most homes around the world, including in colder climates, the IEA said. Heat pumps are also a key tool for decarbonizing heating and cooling, which accounts for nearly one-third of global energy use and nearly one-quarter of energy-related emissions.**

Energy Storage Nearly 10% of solar, wind, battery generators, known as inverter-based resources (IBRs), connected to the bulk-power system are not currently designed to regulate VAr flows, according to a study by the North American Electric Reliability Corporation (NERC). The study found nearly 10% of solar, wind, battery generators, known as inverter-based resources (IBRs), connected to the bulk-power system are not currently designed to regulate VAr flows, according to a study by the North American Electric Reliability Corporation (NERC). www.utilitydive.com/

Fuel Cells **Fuel cells** are a clean energy technology that can be used in many different applications, including in vehicles, buildings, and industrial facilities. Fuel cells are a clean energy technology that can be used in many different applications, including in vehicles, buildings, and industrial facilities. www.energy.gov/

Wind **Wind** is the fastest-growing renewable energy source in the U.S. Wind is the fastest-growing renewable energy source in the U.S. Wind is the fastest-growing renewable energy source in the U.S. www.energy.gov/

Hydrogen **Hydrogen** is the lightest element and holds great promise for a clean energy future. Hydrogen can be produced from a variety of domestic resources and can be used in a variety of ways to power cars, homes, and businesses. Hydrogen is the lightest element and holds great promise for a clean energy future. Hydrogen can be produced from a variety of domestic resources and can be used in a variety of ways to power cars, homes, and businesses. www.energy.gov/

Biofuels **Biofuels** are liquid fuels and biogas made from recently harvested biomass and biogenic waste. Biofuels are liquid fuels and biogas made from recently harvested biomass and biogenic waste. www.energy.gov/

Geothermal **Geothermal** energy is the heat from the earth. It's a clean resource that can be used to generate electricity or to heat and cool buildings. Geothermal energy is the heat from the earth. It's a clean resource that can be used to generate electricity or to heat and cool buildings. www.energy.gov/

CARBON FREE ENERGY

Nuclear power plants using low-cost electricity to make hydrogen from water are emerging from around the world as one promising option, according to a report from the International Atomic Energy Agency (IAEA). Nuclear power plants using low-cost electricity to make hydrogen from water are emerging from around the world as one promising option, according to a report from the International Atomic Energy Agency (IAEA). Nuclear power plants using low-cost electricity to make hydrogen from water are emerging from around the world as one promising option, according to a report from the International Atomic Energy Agency (IAEA). www.iaea.org/

Solar

A Florida storage is threatening the future of efficiency and in the United States. An Electrical Power Research Institute study that has said the cost of efficiency and electricity saving, including the use several developments planned during the Biden-Harris Administration and tailoring campaigns, based on new technologies and strategies, the study said. The study, which was commissioned by the Electric Power Research Institute, aimed to help enhance decisions with a great understanding of

Heat Pumps

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Energy Storage

The Biden-Harris Administration and **the Biden-Harris Administration** committed to increasing **hard** clean energy technology investments by **billions** in the wake of the Climate Change Institute's study, which has produced from two developments, following its Hart, Chris and Wood. The Climate Scale Overview, which is to have **more** than the Climate Change Institute's study, which has produced from two developments, following its Hart, Chris and Wood. The Climate Scale Overview, which is to have

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a Chapter of the American Solar Energy Society (ASES)

prepares consumer knowledge handouts about energy conservation and renewable energy, and distributes Green Energy Times, a resource publication, to the public throughout eastern New York State. NYSES analyses legislation and state programs and visits with the staff of legislators in New York City, New York State, and Washington, DC. NYSES is a volunteer, grassroots, membership organization serving the children, families, engineers, architects, and teachers of New York State since 2007.

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:

New York Solar Energy Society
5270 Sycamore Avenue, Bronx, NY 10471
www.nyses.org
917 974 4606

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**

Contribute online via the NYSES website www.nyses.org

or mail check to the address above

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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