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New York Solar Energy Society

Monthly Digest for January 2024

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Upcoming Events

Mar the Ironbird
Renewable Energy Seminar, CUNY City College Campus and Online
Thursday February 29, 2024
Time: 6:00 PM - 8:00 PM (EST)
Free, in person and online registration optional (below)

Civil Engineering Department conference room, Steinman Hall Room 152
Dr. Richard Perez, Dr. Marc Mesinger, Atmospheric Sciences Research Center, University at Albany, will present his latest on renewable energy at CUNY in Manhattan.

Dr. Richard Perez is also a professor and scientist in solar resource, solar energy applications and dispatching.

To register, click here (or online link and we're projected to register!)

Links
- NATIONAL AND INTERNATIONAL
- CLIMATE EMERGENCY/ENVIRONMENT
- CARBON-FREE ENERGY
- ENERGY STORAGE
- FOSSIL & OTHER FUELS
- NORTHEAST
- U.S.
- NY INTEREST, Research and Development
- THE READS
- NEWS HYBRID

NATIONAL & INTERNATIONAL

Science Headlines

US heat fuel pumps contributed about a third of electricity supplies in 2020 and renewables a record 42%, with 2021 forecast to be even higher, according to the Energy Information Administration. Read the report here.

Germany's greenhouse emissions fell 8.7% in 2023, but Germany had reliable & cost following the Russian invasion of Ukraine, which cut off Germany's supply of cheap natural gas. Germany's emissions fell by 46% since 1990, the year of record high. The year-over-year drop was the largest since 2009, the year following the financial crisis. The Environmental Protection Agency has proposed a new rule to change carbon oil and gas processors to reduce methane emissions from the oil and gas industry. Read the report here or Berks and Beyer. Read the report here or Berks and Beyer. Read the report here or Berks and Beyer.

The European Parliament (MEPs) voted to outlaw the sale of some cars as "environmentally friendly." Natural gas and hydrogen vehicles will be banned from 2035 unless they can prove they are carbon neutral. Read the report here.

Ukraine expects to start construction work on four new nuclear power reactors this year, as it looks to rebuild its energy sector after the end of the war with Russia. Ukraine's state-owned nuclear power operator Energoatom said the reactors will be built on the sites of the Khmelnytskyi and Rivne nuclear power plants. Work is set to start on Russian-made equipment that was originally destined for Belarus. Ukraine's nuclear fleet is the largest in Europe, with technology that powers equipment from Westinghouse. Read more here.

For the second consecutive month, Russia has received more refinery attacks on Ukraine's energy system, according to Ukrainian officials. Ukraine's drone attacks have hit at least 10 refineries since August. Read more here. [NYTimes/subscription]

Russia's drone attack against Ukraine overnight on Jan. 30 damaged an electrical substation in Dnipropetrovsk region, leaving around 50,000 people without power, Ukrainian officials said. Read more here. [Reuters]

Ukraine's energy system is under attack by Russia, with Russia's drone and missile attacks on power plants and grid assets. Ukraine's power system is a key target for a large-scale transformer and grid system. Ukraine's power system is a key target for a large-scale transformer and grid system. Read more here. [www.wind-power.com]

CLIMATE EMERGENCY / ENVIRONMENT

Experts say that recently discovered documents show that the fossil industry was aware of the climate crisis decades earlier than it publicly admitted. Read more here. [The Guardian] Read more here about a book on the history of the climate denialism of the petrostate for going on 70 years. [The Guardian]

The Guardian [Subscription]

The American Oil Institute launched an eight-figure media campaign in early January promoting the idea that fossil fuels are necessary for a strong economy. Read more here. [The Guardian]

Climate change and wildfires are both major threats to human health, and the new studies when they interact. [Reuters]

The Great Lakes lost the smallest amount of ice in the past 50 years this winter, with ice cover at 5% on Feb. 1. Ice cover is typically around 50% by that date. Read more here. [Great Lakes Now] Read more here about the impact of climate change on the Great Lakes

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**

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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