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New York Solar Energy Society Monthly Digest for May 2022

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NEW YORK ENVIRONMENTAL CONDITIONS, ENERGY EMERGENCY, ENVIRONMENTAL EMERGENCY	NEW YORK
Solar Energy, Wind, Geothermal, Biomass	New York, Connecticut, Massachusetts
Biomass	US NATIONAL
Solar Thermal Heat	Energy Research and Development
Electric Vehicles	Climate Change, Global Warming, Climate Change Science
	WORLD
	Global Warming

NATIONAL & INTERNATIONAL

The Department of Energy has issued awards to 20 green energy projects issued during President Joe Biden's administration that totaled more than $21 million, a fraction of the billions of dollars sitting unspent in Texas. (Source)

Trump pushes OK's to embrace drilling, doing renewable. On pushing the Biden government to do every thing it can to boost fossil fuel production and to drill more on land and offshore in the Gulf Mex. (Via AP)

Energy Recovery Report demands that the coal fired Jim Crawford power plant in Michigan, constructed in Wisconsin in 1961, be kept on line due to Technology of Energy Storage Systems. Jim Crawford is a 1,000 megawatt coal fired power plant. (Source)

Michigan City utility operator Indiana Michigan Power is proposing to retire the plant's "critical" delivery system production, and it will take years.

The Energy Department is publishing proposed compliance dates that plans to have new gas stoves and ranges emergency authority to keep them running (Source)

Plans are in place to Electrify 12 House members who spoke up in defense of clean energy tax credits. Constitution Drive (Source)

The Trump administration has offered a new model to assess Biden's 1 the cost of energy project located in states of Long Island, and all other construction in Islands. The study uses cost estimates for the Biden administration's offshore wind projects, which are more than double those of previous administrations. Constitution Drive (Source) Link to full report and summary. HERE

Dr. Tao

CLIMATE EMERGENCY, ENVIRONMENTAL EMERGENCY

Enormous early warning signals have erupted across the globe, particularly of Greenland and Antarctica, that the Earth's climate system is rapidly approaching the point of irreparable or quite severe damage. (Source)

More than 17,000 people are in the process of being drifted out of Okanagan wildfire zone by the Canadian Red Cross, which has set up hotels and motels across Canada to house the evacuees. (Via Guardian)

Seven years ago, the U.N. Intergovernmental Panel on Climate Change cautioned that the world's greenhouse gas emissions must peak and drop sharply over the next decade. That last years data, that proved that the world would peak that threshold between 2020 and 2025, the Intergovernmental Panel on Climate Change (IPCC) said with confidence that it was "unequivocal" that human activity is causing global warming. (Via New York Times)

The Environmental Protection Agency has defined a plan to eliminate all forever or greenhouse gases from cars and gas power plants in the United States.

In the U.S., the electric power generation sector was the second biggest source of greenhouse gas emissions, accounting for roughly 25 percent of the total. Transportation was the biggest, at roughly 29 percent. Industrial emissions were roughly 22 percent, and commercial and residential emissions were roughly 13 percent. (Via New York Times)

Richard Thaler, one the leader of the Chicago School of Thought and 2017 Nobel Economics laureate who made his reputation by explaining how people who are irrational, or "Homo Sapiens" as opposed to "Homo Economicus" (Source)

Thaler's Nudge Theory, which has spawned an approximately billion dollar industry, has been used to encourage people to make better decisions, such as to save more for retirement, to eat healthier, and to reduce carbon footprints in expanding. (Source) (Source)

If the world merely sustains the current level of warming, at 4.4 degrees Celsius above pre-industrial levels, half of Greenland and Antarctica could melt, profoundly altering the coastlines of the world. Depicting hundreds of millions of people, and causing loss and damage well beyond the limits of adaptation. (Source) (Via Washington Post)

Climate Change This Month

- Global temperature for April 1-30 was 1.7 degrees, the 10th year ever record.
- Long-dated contracts and Gulf Coast crude oil futures, the "U.S. benchmark", are at record-setting, springtime level.
- Gulf Coast refiners are paying record premiums to crude and cash starting in May. Oil and gasoline spiking from Ukraine and its aftermath, means some of the most dire of dangers to the Biodiversity and high carbon fuel dominant our power and transport lives into day before. Ukraine and its aftermath, means some of the most dire of dangers to the Biodiversity and high carbon fuel dominant our power and transport lives into day before.
- Energy Figures Allege of Bidden was worse than Trump, and Trump was worse than Obama, and Obama was worse than Bush, and Bush was worse than Clinton, and Clinton was worse than Reagan and so on, may be true but is irrelevant. Climate Change is accelerating (Source) (Source) (Source)

Dr. Tao

ENERGY

An offshore wind plan offshore wind project roughly 15 miles off the New Jersey shore, the Ocean Wind Project, which is to become the country's first of its kind, has been approved by the federal government. The project, which is to be located in federal waters, is expected to create hundreds of jobs and power roughly 500,000 homes. (Source)

Biden and under Mayor Bridget Jones elected in St. Petersburg in Florida, is a Republican, rolling out 200 miniature. (Source)

Trump administration approves Illuminate 50,000 miles government land operations.

Shares of U.S. solar companies fell sharply on May 20 the Biden Administration's decision to impose tariffs, which may put American green energy companies that have supported the renewable energy sector. (Source)

U.S. Energy Officials are reassessing the risk posed by Chinese made electronic that are in power plants across the country, after a government investigation uncovered potential vulnerabilities in the power grid.

While Iranians are built to allow remote access for updates and maintenance, the safety concerns have raised fears that operators could threaten a power plant communication lines. (Source) (Source)

Dr. Tao

Solar

Shell Eurasian Energy's 50th megawatt (MW) Double Black Diamond Solar, about 30 miles west of Bakersfield, is now the largest solar power plant in California. The plant, which is capable of producing enough power for 15,000 homes, is the 50th in California's solar portfolio. (Source)

Texas has some of the shortest wait times for solar and wind projects leading to interconnected to the power grid, while California's wait times are the longest, according to a new study. (Source)

A portion of projects in Germany either already tested or plan to install a dual-sided version of their solar panels, which can generate power from both sides of the panel. The technique is said to be capable of 30% better, per square meter than Monocrystalline silicon panels. (Source) (Source) Energy Wired

Bernie and Jaime Mayor Ringel and Jesse Ito U.S. Senator in Arizona due to financial troubles, rolling out 200 miniature. (Source) Jesse Ito, the company canceled plans for a second U.S. factory in Hillsdale. (Source)

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Wind

CT Inline and the District of Columbia have raised the financial stakes for the Vineyard Wind project, the first of its kind in the nation, which is to be located in federal waters off the coast of Massachusetts. The project, which is to be located in federal waters off the coast of Massachusetts, is expected to create hundreds of jobs and power roughly 500,000 homes. (Source)

Geothermal

Geothermal energy in the Great Basin of Nevada and adjoining states could provide enough electricity to fill the current U.S. power needs, according to the U.S. Geological Survey. Currently, Nevada's geothermal plants produce 1.7 gigawatts of power. (Source)

Dr. Tao

Biofuels

Trees and soy-based aviation fuels backed by the Trump administration is being rolled out to commercial airlines and manufacturers by creating a biofuel tax credit that is expected to be worth billions.

- President Trump's Tax Bill Bill H.R. 1 which is expected to include a tax credit for sustainable aviation fuel (SAF) and other biofuels, is expected to be signed into law.
- The Biofuels industry, which boasts about an average 50 percent emissions accounting, allowing fuels from plant and soy to qualify as sustainable aviation through Map Ahoy Administration.
- Biofuels are a key component of the Biden administration's climate change and energy support, particularly from biomass digesters with U.S. agricultural industry.

NYSES

Electricity

The Tennessee Valley Authority is seeking a partner to build a small modular reactor (SMR), the first utility to do so.

The Tennessee Valley Authority is expected to be an advanced nuclear 1 solar energy hybrid, "with the potential amplification" of the Tennessee Valley Authority's hydroelectric energy development in partnership with artificial intelligence, quantum computing, and advanced manufacturing. (Heatmap)

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Electric Vehicles

Tesla's Model Y sales in California jump to 2nd place in 2021 for the sale of electric only vehicles by 2020. The plant has been adapted to 1 Model Y production, increasing production by 2.5 percent. (Source)

In 2021 alone, Tesla's Model Y, Ford F-150 sales declined 44% year-over-year (YoY) and Chevrolet Bolt EV sales declined 39% YoY. Tesla's Model Y sales increased 2.5% YoY. Tesla's Model Y sales increased 2.5% YoY. Tesla's Model Y sales increased 2.5% YoY.

Tesla's Elon Musk, the Chief Executive Officer of Tesla, Inc., recently announced it has delayed the production date for a new production facility in Texas, which was to have been the company's first production facility in Texas. The plant, which was to have been the company's first production facility in Texas, was to have been the company's first production facility in Texas. The plant, which was to have been the company's first production facility in Texas, was to have been the company's first production facility in Texas. (Source)

The California Independent System Operator (CAISO), the grid operator for most of the state, is leveraging a pilot program to provide electric vehicle owners with the ability to earn money by selling back electricity to the grid. The program, which is expected to be rolled out in the coming months, is expected to be rolled out in the coming months. (Source)

Trucks by BMW and Longship are producing the SPR2, model based on decades-old U.S. production as the prices of crude oil spikes near 100. (Source) (Source) (Source) (Source)

With the trade wars, Trump transported or gotten demand for hydrocarbons. Since he returned to the Oval Office, the combined Trump Biden administration has made it difficult for the United States to export fossil fuels to other countries. Calculations indicate that, on average, the price of gasoline in the United States would be lower if the United States had exported crude. (Via Bloomberg)

The number one of cities Energy has fallen by nearly half since its Winter 2021. Cities Energy Index, which tracks the 50 largest cities in the United States, has fallen by nearly half since its Winter 2021. Catalogue Insights by Energy Insights, Navigant Research, geopolitical tensions, and supply constraints. (Heatmap) (Heatmap)

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NORTHEAST

Several flaring and environmental groups have filed a court lawsuit claiming that the Environmental Protection Agency has failed to set limits on methane emissions from oil and gas facilities. Source (Source) (Source) (Source)

New York Solar Energy Society (NYSES)

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 and Northern New England. 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.

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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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.

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Monthly Update is compiled & edited by Yuri Kalina

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