

## Staff Notes and Reads

LG&E and KU to supply an additional 100 megawatts of solar power; Toyota and Dow to use the majority of the new renewable energy.

*Louisville Gas and Electric Company and Kentucky Utilities Company today filed with the Kentucky Public Service Commission for approval of three contracts that could mean one giant step forward for solar energy generation in Kentucky, with... [read more](#)*

Kenya Stump shares: *Electric Vehicle Penetration and Its Impact on Global Oil Demand: A survey of 2019 Forecast Trends, Columbia SIPA, Center on Global Energy Policy;*

*Electric trucks may be the future, but waste and recycling market still charging up, UTILITY DIVE.*

*Six Kentucky educators honored at Association for Career and Technical Education Conference, KY Forward, is shared by Eileen Hardy.*

*Lona Brewer shares UTILITY DIVE article, 2020 Outlook: Natural gas faces regulatory, environmental scrutiny, but still wants role in carbon-free grid.*

*Amanda LeMaster shares U.S. Energy Information Administration, U.S. Petroleum Exports Exceed Imports in September 2019, for a review of the changes in U.S. petroleum exports.*

*KY Habitat for Humanity announces unprecedented partnership with LG&E and KU Organization to pass on benefits from renewable energy program to its clients, PPL NEWS, is shared by Kenya Stump.*

## About Us



We believe in our [mission](#) to utilize Kentucky's energy resources for the betterment of the Commonwealth while protecting and improving our environment.

The Kentucky Energy and Environment Cabinet announces the release of the **2019 Kentucky Energy Profile**. The web-based publication prepared by the Office of Energy Policy provides historical and current data about Kentucky's energy sector, and serves as an impartial point of reference to help all citizens better understand how energy resources are produced, consumed, and their role in Kentucky's economy.

## Partner Spotlight



**Bluegrass Greensource** is a non-profit organization that provides education and resources on how we affect our environment through outreach to schools, community groups, businesses, local governments, and citizens throughout Central Kentucky.

## Viz of the Month

**SLOPE** Beta  
*State and Local Planning for Energy*

The State and Local Planning for Energy (SLOPE) tool aims to improve data-driven state and local energy planning. SLOPE Beta integrates data on energy efficiency and renewable energy opportunities.

Your feedback is needed. SLOPE Beta is a draft of what is to come. Please share your feedback at: [slope@nrel.gov](mailto:slope@nrel.gov).

NREL is a national laboratory of the U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy, operated by the Alliance for Sustainable Energy, LLC.

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## OEP Out and About

Through education, outreach and professional development, OEP staff are better equipped to understand and assist stakeholders on how energy impacts daily lives. Here's what we've been working on this month.

January 15, Kenya Stump spoke to the Louisville Chapter of the KY ASHRAE regarding energy efficiency policies and the Kentucky energy landscape.

Energy security was the focus of discussions Jan. 20 and 21 with Amanda LeMaster and representatives of the Kentucky Propane Gas Association and Kentucky Petroleum Marketers Association.

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## Monthly Energy Review

A publication of recent and historical energy statistics. The [Monthly Energy Review](#) of the U.S. Energy Information Administration includes total energy production, consumption, stocks, and trade; energy prices; overviews of petroleum, natural gas, coal, electricity, nuclear energy, renewable energy, and carbon dioxide emissions; and data unit conversions values.

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## KY NEED: Energy in Action

Students from Stuart Pepper Middle School in Meade County are using their NEED science of energy kits to explore different forms of energy and how energy is transformed from one form to another. Middle school teacher, Becky Hacker, a recent participant in a NEED teacher workshop funded by the Office of Energy Policy, shares her enthusiasm with OEP.

"Thank you for all you do for us! I am sharing the science of energy kits with my fellow teachers. Now everyone at our school has access to these creative learning opportunities."

The National Energy Education Development (NEED) Project is available to all schools in Kentucky. Visit [need.org](http://need.org) to learn more.



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## Learning Opportunities

### February Training Opportunities with ENERGY STAR®

Improve your skills by registering for a no-cost webinar! Click on the titles below to go directly to the webinar description and registration link.

Regularly scheduled webinars

- [Ask the Expert](#)

- [Portfolio Manager 101](#)
- [Portfolio Manager 201](#)
- [Portfolio Manager 301](#)
- [ENERGY STAR and Green Building Rating Systems](#)

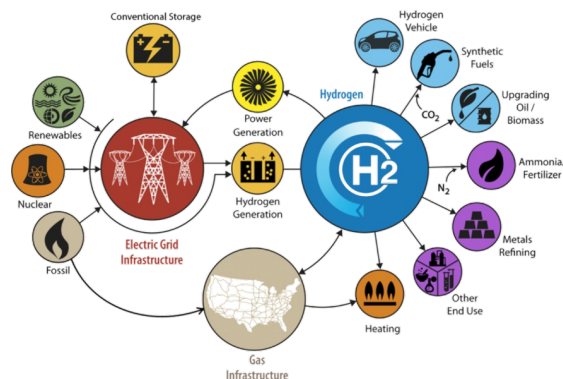


## Check Out What's New with Solar Decathlon!

Want to create buildings that help address the most pressing needs of our time? Love the thrill of competing with top students across the country and around the world? If so, the **U.S Department of Energy Solar Decathlon®** is for you! Collegiate institutions can start planning now for the Solar Decathlon 2021 Design Challenge and 2022 Build Challenge.

## Department of Energy Announces CyberForce Competition

With the ever-increasing amount of technology placed on the internet, security becomes a high priority. In 2019, the Department of Energy estimated unfilled cybersecurity careers reached over 1.5 million. To address this critical need DOE announces, **CyberForce Competition™**--an opportunity to increase hands-on cyber education; awareness into the critical infrastructure and cyber security nexus; and basic understanding of cyber security within a real world scenario. Learn more [here](#).



## 10 Things You Might Not Know About Hydrogen and Fuel Cells

Hydrogen is the simplest and most abundant element in the universe, but it rarely exists as a gas on Earth—it must be separated from other elements. Hydrogen can be produced from diverse, domestic resources, including fossil fuels, nuclear energy, biomass, and other renewable energy sources such as solar, wind, and geothermal, using a wide range of processes. One of these processes is called electrolysis, which splits water into hydrogen and oxygen using electricity from multiple energy resources.

U.S. Department of Energy presents 10 fun facts about hydrogen and fuel cell technologies and 8 resources to help you

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## YouTube Video SHORT CIRCUIT: Ruth's Story

Ruth Huddleston was 18 years old when she took a job at a top secret Army facility in Oak Ridge, Tennessee, at the height of World War II. Her task was so highly classified that no one could even tell her what she was working on -- until one fateful day in August 1944. This is her story.



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