



Major Southeast utilities establish hydrogen hub coalition

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- **Coalition will apply for federal funding to create six-state hydrogen hub**

(Battelle Memorial Institute issued the following news release on November 1, 2022.)

WASHINGTON, D.C. – A newly formed coalition including major utility companies Dominion Energy, Duke Energy, Louisville Gas & Electric Company and Kentucky Utilities Company (LG&E and KU), Southern Company and the Tennessee Valley Authority (TVA), along with Battelle and others, announced today its plan to pursue federal financial support for a Southeast Hydrogen Hub. The coalition will respond to the recently announced funding opportunity from the U.S. Department of Energy (DOE), which includes \$8 billion for regional hydrogen hubs and is part of the Infrastructure Investment and Jobs Act (IIJA).

Other members of the Southeast Hydrogen Hub coalition will include a growing list of hydrogen users from a variety of industries in Alabama, Georgia, Kentucky, North Carolina, South Carolina and Tennessee. The

coalition expects its membership to grow as news of the opportunity spreads and as interest in hydrogen intensifies.

A hydrogen hub in the Southeastern U.S. is expected to bring robust economic development benefits to the region, and hydrogen is attractive as an energy resource because it has immediate potential to accelerate decarbonization in the Southeast and across all sectors of the U.S. economy – including transportation, which generates the largest share of greenhouse gas (GHG) emissions in the country.

Hydrogen also is a dispatchable energy source, meaning it can be turned on or off as needed, enabling power companies to add more intermittent renewable resources to the energy system. Hydrogen may be poised to play a major role in addressing climate change and could be essential for each coalition member to meet its stated carbon-reduction goals:

- **Dominion Energy:** Achieve net-zero greenhouse gas emissions across Scopes 1, 2 and 3 for all electric and natural gas operations by 2050.
- **Duke Energy:** Achieve net-zero carbon emissions from electricity generation by 2050. The company has interim carbon emissions targets of at least 50% reduction from electric generation by 2030 and 80% reduction by 2040.
- **Louisville Gas and Electric Company & Kentucky Utilities Company:** Along with parent company, PPL, LG&E and KU has set a goal to achieve net-zero carbon emissions by 2050, with interim reduction targets of 70% from 2010 levels by 2035 and 80% by 2040.
- **Southern Company:** Achieve net-zero greenhouse gas emissions across electric and natural gas operations by 2050.
- **TVA:** Achieve 70% carbon reduction by 2030 and approximately 80% carbon reduction by 2035. Aspire to net-zero by 2050.

By working together, the coalition can focus on developing scalable, integrated projects at key locations across the entire Southeast in support of these carbon-reduction goals and encourage the broad-based development of a regional energy ecosystem that will allow members to deploy hydrogen as a decarbonization solution for customers and communities.

“Hydrogen will play an important role in our region’s clean energy transition and Dominion Energy’s path to net-zero emissions,” said Mark Webb, chief innovation officer of Dominion Energy. “From electricity and home heating to transportation and manufacturing, hydrogen will bring jobs, investment and clean energy to every sector of the Southeast U.S. economy. We’re excited to partner with all the members of the Southeast Hydrogen Hub coalition to deliver on this promise for our customers and the communities we serve.”

“Duke Energy is excited to work with our peers to explore this funding opportunity, which is vital to our industry-leading clean energy transformation for our customers and our communities,” said Swati Daji, Duke Energy senior vice president of enterprise strategy and planning. “A Southeast hydrogen hub will provide economic and workforce-development benefits that will extend well beyond the timeline for these projects. We are pleased to have Battelle’s leadership and experience on our side as we work together with the coalition to make this hub a reality.”

“LG&E and KU’s mission is to provide safe, reliable, sustainable, competitively priced energy to our customers,” said John Crockett, president of LG&E and KU. “Advancing a cleaner energy future is one of the core commitments of our sustainability strategy and we will continue to leverage our partnerships with industry, universities and national research institutions, to achieve our goals.”

“Southern Company views hydrogen as a powerful opportunity to provide an energy system that is abundant, affordable, reliable and resilient in a net-zero future,” said Chris Cummiskey, executive vice president, chief commercial officer and customer solutions officer, Southern Company. “With the nation’s leading utilities forming a solid, customer-centered foundation, the Southeast Hydrogen Hub promises to become a new catalyst for economic development and growth, while bringing broad, economywide decarbonization to the customers and communities we serve.”

“TVA is committed to our mission of service that makes life better for the people we serve,” said Dr. Joe Hoagland, vice president, TVA Innovation & Research. “As a member of the Southeast Hydrogen Hub coalition with Battelle and the Southeast’s premier energy providers, we are equipped and ready to maximize development of hydrogen as a much-needed alternative fuel. Hydrogen will be crucial for accelerating the transition to clean power so we can meet the demand for low-carbon energy throughout our region and across the country.”

“This team has a lot of strong players, and we think Battelle’s expertise and long history of operating large complex programs for the Department of Energy and other federal agencies can help uniquely position this team for success to address the critical issue of creating a clean energy future,” said Matt Vaughan, president of Battelle’s Applied Science and Technology.

About Dominion Energy

About 7 million customers in 15 states energize their homes and businesses with electricity or natural gas from Dominion Energy (NYSE: D), headquartered in Richmond, Va. The company is committed to safely providing reliable, affordable and sustainable energy and to achieving Net Zero emissions by 2050. Please visit [DominionEnergy.com](https://www.dominionenergy.com) to learn more.

About Duke Energy

Duke Energy (NYSE: DUK), a Fortune 150 company headquartered in Charlotte, N.C., is one of America’s largest energy holding companies. Its electric utilities serve 8.2 million customers in North Carolina, South Carolina, Florida, Indiana, Ohio and Kentucky, and collectively own 50,000 megawatts of energy capacity.

Its natural gas unit serves 1.6 million customers in North Carolina, South Carolina, Tennessee, Ohio and Kentucky. The company employs 28,000 people.

Duke Energy is executing an aggressive clean energy transition to achieve its goals of net-zero methane emissions from its natural gas business and at least a 50% carbon reduction from electric generation by 2030 and net-zero carbon emissions by 2050. The 2050 net-zero goals also include Scope 2 and certain Scope 3 emissions. In addition, the company is investing in major electric grid enhancements and energy storage, and exploring zero-emission power generation technologies such as hydrogen and advanced nuclear.

Duke Energy was named to Fortune's 2022 "World's Most Admired Companies" list and Forbes' "America's Best Employers" list. More information is available at [duke-energy.com](https://www.duke-energy.com). The [Duke Energy News Center](#) contains news releases, fact sheets, photos and videos. Duke Energy's [illumination](#) features stories about people, innovations, community topics and environmental issues. Follow Duke Energy on [Twitter](#), [LinkedIn](#), [Instagram](#) and [Facebook](#).

About Louisville Gas & Electric Company and Kentucky Utilities Company

Louisville Gas and Electric Company and Kentucky Utilities Company, part of the PPL Corporation (NYSE: PPL) family of companies, are regulated utilities that serve more than 1.3 million customers and have consistently ranked among the best companies for customer service in the United States. LG&E serves 333,000 natural gas and 429,000 electric customers in Louisville and 16 surrounding counties. KU serves 566,000 customers in 77 Kentucky counties and five counties in Virginia. More information is available at www.lge-ku.com and www.pplweb.com.

About Southern Company

Southern Company (NYSE: SO) is a leading energy company serving 9 million customers through its subsidiaries. The company provides clean, safe, reliable and affordable energy through electric operating companies in three states, natural gas distribution companies in four states, a competitive generation company serving wholesale customers across America, a leading distributed energy infrastructure company, a fiber optics network and telecommunications services. Southern Company brands are known for excellent customer service, high reliability and affordable prices below the national average. For more than a century, we have been building the future of energy and developing the full portfolio of energy resources, including carbon-free nuclear, advanced carbon capture technologies, natural gas, renewables, energy efficiency and storage technology. Through an industry-leading commitment to innovation and a low-carbon future, Southern Company and its subsidiaries develop the customized energy solutions our customers and communities require to drive growth and prosperity. Our uncompromising values ensure we put the needs of those we serve at the center of everything we do and govern our business to the benefit of our world. Our corporate culture and hiring practices have been recognized nationally by the U.S. Department of Defense, G.I. Jobs magazine, DiversityInc, Black Enterprise, Fortune's "World's Most Admired Companies" list, Forbes and the Women's Choice Award. To learn more, visit www.southerncompany.com.

About TVA

The Tennessee Valley Authority is a corporate agency of the United States that provides electricity for business customers and local power companies serving nearly 10 million people in parts of seven southeastern states. TVA receives no taxpayer funding, deriving virtually all of its revenues from sales of electricity. In addition to operating and investing its revenues in its electric system, TVA provides flood control, navigation and land management for the Tennessee River system, and assists local power companies and state and local governments with economic development and job creation.

About Battelle

Every day, the people of Battelle apply science and technology to solving what matters most. At major technology centers and national laboratories around the world, Battelle conducts research and development, designs and manufactures products, and delivers critical services for government and commercial customers. Headquartered in Columbus, Ohio since its founding in 1929, Battelle serves the national security, health and life sciences, and energy and environmental industries. For more information, visit www.battelle.org.

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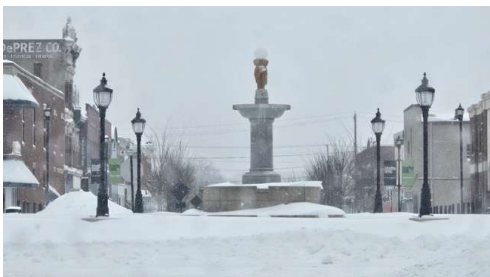
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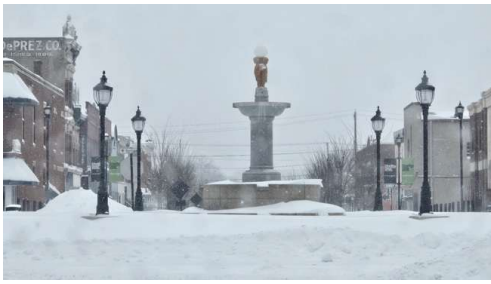
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