

Industry Roundup

Honeywell, Samsung Subsidiary, Others Create SAF Technology Alliance

CHARLOTTE, N.C.—Honeywell, Samsung E&A, Johnson Matthey and Garuda Energy have joined together to create a strategic sustainable aviation fuel (SAF) technology group. The four companies, organized as the SAF Technology Alliance, aim to create a new technology offering to help scale and deliver a full-service SAF production chain to take the fuel from a waste feedstock to a final product. This alliance will look to scale the use of gasification and the Fischer-Tropsch process—a chemical reaction that makes synthesis gas—in SAF production in the near term.

Amazon to Spend \$20B on Data Centers in Pennsylvania

HARRISBURG, PA.—Amazon said on June 9 that it will spend \$20 billion on two data center complexes in Pennsylvania. One data center is being built next to northeastern Pennsylvania's Susquehanna nuclear power plant, where it intends to get its power. The other will be in Fairless Hills at a logistics campus, the Keystone Trade Center, on what was once a U.S. Steel mill. Amazon said that data center will get its power through the electricity grid.

Homeowners Want Sustainable HVAC Upgrades—But Cost Is Still the Biggest Barrier

SOUTH PLAINFIELD, N.J.—One key finding of a recent survey of 600 U.S. homeowners commissioned by AUX Air USA was that a majority of consumers consider sustainability when making decisions about improving their homes, and most cite the savings that can be achieved with more sustainable products, rather than concern about the environment, as their primary reason for doing so. Just over half the respondents, 51%, said saving money was the primary reason they would consider making their homes more sustainable, while only 20% said the environment was their primary reason.

Just 2% of Tidal and Offshore Solar Energy Could Make a Dent in Carbon Dioxide Emissions

GLASGOW, SCOTLAND—Researchers at the Universities of Strathclyde and Maine examined more than 660 assessments of offshore renewable energy (ORE) potential in more than 3,000 locations worldwide.

They found that tidal and solar consistently had more energy to offer than other sources such as wind and waves, but were the subject of far less research and, consequently, remained largely untapped. Offshore solar energy, in particular, was found to be more reliable and less variable than other sources, making it ideal for energy mixes. The research is published in the journal *Renewable and Sustainable Energy Reviews*.

How Net Zero Is Entering an Era of Quiet Progress

The next era of corporate climate leadership is already underway and it's nothing like the last one. Gone are the glossy pledges and PR campaigns. In their place: rigorous procurement, strategic multiyear commitments and quiet, confident execution. Since last year, we've seen major corporations exit climate coalitions, record outflows from environmental, social and governance funds and the Net-Zero Banking Alliance—the UN-backed banking coalition supporting Paris climate goals through financing—softening its targets.

Japan's Gas Industry Allows Gas with Carbon Capture in 2050 Net Zero Plan

TOKYO—The Japan Gas Association said it would take a more flexible approach in its drive to become carbon neutral by 2050, allowing greater use of natural gas in combination with carbon capture or other decarbonization measures. The updated plan allows for a larger role for natural gas paired with carbon offsetting technologies such as carbon capture and storage, carbon capture and utilization and forest absorption, potentially covering 10% to 50% of future supply. "Our intention is not to reduce the share of e-methane to 50%, but to achieve carbon neutrality through various approaches," said Takashi Uchida, chair of the association.

Essex Tech To Launch Center For Renewable Energy With \$1 Million Donor Grant

DANVERS, MASS.—Essex Tech will launch a new Center for Renewable Energy designed to prepare students for careers in the growing clean energy sector with the help of a \$1 million private grant. The Center will integrate renewable energy components into technical programs such as HVAC&R, electrical, plumbing, arboriculture, environmental science and more. ■