

JULY | AD CLOSE: JUNE 1 | MATERIAL DUE: JUNE 4

POWER

NEWS & TECHNOLOGY FOR THE GLOBAL ENERGY INDUSTRY SINCE 1882

EDITORIAL PREVIEWS

VALUE ADDED

Special Advertising Section: CORPORATE CAPABILITIES

The July issue of POWER will feature the Plant of the Year – one of the top stories throughout the year that’s always of particular interest to the global audience. POWER magazine is offering the unique opportunity for all July issue full page advertisers to take part in a special Corporate Capabilities digital issue at no additional cost.

You get the opportunity to put together a half page corporate capabilities profile for your company. This is a great way to get tremendous print advertising presence in our July issue AND company exposure in a digital format.

Additional Free Incentive: In addition to receiving the free advertorial, advertisers in POWER July will also take part in the Signet AdStudy, which measures ad performance and provides additional sales leads.

BONUS DISTRIBUTION

Hydrovision International
July 12–14, 2022
Denver, CO

DOWNLOAD THE 2022 MEDIA KIT

COVER FOCUS: POWER AWARDS

Plant of the Year: Wudongde Hydropower Plant

The Wudongde impoundment hydropower plant began commercial operation on July 1, 2021. With a total capacity of 10.2 GW, it is the seventh-largest plant of its kind globally. Wudongde Station—together with Baihetan Hydropower Station, Xiluodu Hydropower Station, and Xiangjiaba Hydropower Station—form a cascade of power stations on the Jinsha River in China. The cluster will have an installed capacity of 46.46 GW.

Reinvention Award: Pinnacle Wind Farm

The Pinnacle Wind Farm repowering—West Virginia’s first wind repowering—involved removing the 23 original turbines, strengthening the existing foundations, and installing entirely new towers, nacelles, and blades. While the total number of turbines didn’t change, the new state-of-the-art equipment is more efficient and will generate 16% more clean power without requiring any upgrades to the transmission system. An estimated 85% of the materials (by weight) from the decommissioned turbines were repurposed or recycled.

Water Award: Cooling Tower Fog-Harvesting Technology

A novel technology is being used to produce clean water from cooling tower recirculating water by leveraging the evaporation/condensation cycle within cooling towers. The technology uses electric fields to ionize the plumes coming out of cooling towers, charge the escaping water, and direct it toward mesh collectors, where it collects and flows down. Testing will quantify system performance for water production rates and water quality, and assess system durability. A full-scale prototype on the cooling tower at a large Cogentrix natural gas power plant is expected to prove

the concept with results informing next steps for technology maturation and paving the way to commercialization.

Smart Grid Award: PPL Electric Utilities' Smart Grid

PPL Electric Utilities leverages a smart grid to automatically restore power for customers impacted by outages, often before they even know their power was out. PPL Electric estimates its smart grid has helped customers avoid more than 100 million minutes in the dark and more than 1.2 million outages since 2015. In fact, in 2021, the utility reduced the total number of outages by 34% compared to the average over the past five years. This innovative use of smart grid technology—called Fault Isolation Service Restoration (FISR)—is achieved by deploying sensors and switches across the grid that segment customers into smaller spans.

Commercial & Industrial Generation Award: 6.8-MW Community Solar Project

The City of White Plains, New York, working with the advisory services group at New York Power Authority (NYPA), enlisted DSD Renewables to design, engineer, develop, construct, and finance a nine-site, 6.8-MW community solar and 1.76-MW/8-MWh energy storage portfolio, tripling the amount of solar energy produced in Westchester County. The portfolio is expected to generate more than 8,100 MWh annually as the largest municipal energy project in the county, which includes a mix of canopy, rooftop, and ground-mounted solar systems and energy storage installations at the city's recycling yard, water department, the Department of Public Works, sanitation complex, public ice rink, and multiple parking garages.

Distributed Energy Award: Electric Bus Fleet Powered by Solar+Storage at Martha's Vineyard Transit Authority

In May 2021, Enel X and Martha's Vineyard Transit Authority (VTA), with help from Borrego Solar, began operating a solar-plus-storage microgrid (5-MW/1.5-MWh battery storage system plus 467 kW [AC] of solar power) that powers an all-electric public transportation bus fleet, enabling the community to rely on solar power rather than diesel fuel, thus decreasing risks caused by fuel price fluctuations and pipeline disruptions. The microgrid combines a state-of-the-art solar carport that charges the VTA's fleet with a 1.5 MWh battery storage system, delivering back-up power with always-on dependability.

Hydrogen Award: Fukushima Hydrogen Energy Research Field (FH2R)

FH2R, a project conceived to revitalize Japan's Fukushima Prefecture energy prospects, demonstrates how hydrogen produced from intermittent renewable output can be utilized to help adjust grid fluctuations. The project, which includes a stationary hydrogen fuel cell system, is a notable study in hydrogen's potential role over the full power value system, from production and storage to transport and application.

FEATURES

Mid-Year Industry Forecast

The combination of geopolitical events, high commodity prices, increasing post-pandemic energy demand, and growing decarbonization goals are having wide-ranging effects on the global power industry. This article will examine how rising natural gas prices have allowed coal-fired generation to regain market share (at least temporarily) and highlight the direction experts see things going in the future.

Leveraging Digital Confined Space Technologies to Mitigate the Growing Labor Shortage

Traditionally, confined space monitoring has been performed with one safety attendant monitoring one confined space (1-1 ratio). This traditional safety attendant is responsible for a number of things, but due to a lack of information from inside the confined space, traditional safety attendants are limited in their means to act. Now, more than ever, is the time for energy companies to seize digitalization opportunities to recoup investment and maximize efficiency.

HOSTED BY POWER

Enhance your brand with participation at these upcoming POWER events. Contact your sales representative for combination advertising and sponsorship packages.

Connected Plant Conference

May 23-26, 2022 • Atlanta, GA

[Exhibit/Sponsorship Opportunities](#)

Distributed Energy Conference

October 3-6, 2022 • Denver, CO

[Exhibit/Sponsorship Opportunities](#)

Experience POWER

October 3-6, 2022 • Denver, CO

[Exhibit/Sponsorship Opportunities](#)

LDC Gas Forums

Southeast, Northeast, Mid-continent, Gulf Coast,

HydrogeNext
October 3-6, 2022 • Denver, CO
Exhibit/Sponsorship Opportunities

MARKETING RESOURCES

- [2022 Editorial Calendar](#)
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- [Emedia Trends](#)
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- [2021 Emedia Survey Report](#)



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DEADLINE TO BOOK SPACE: JUNE 1

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