

"This newsletter includes an editorial roundup of top stories from *CHP-Funder.com* and the global media, showcasing the latest in Combined Heat and Power (CHP) innovation and the investors that fund it. Please get in touch if you'd like to be a guest contributor, or if you have any feedback or tip."

## IRS Guidance on Tax Credits for Alternative Energy Projects

June 22, 2018, the Internal Revenue Service issued **guidance** to update the federal tax treatment of certain alternative energy property eligible for the Investment Tax Credit (ITC) allowed under 25 U.S.C. § 48. The new guidance is important because, under the original enabling statute, there was uncertainty regarding what actions constituted 'beginning construction' on a project. The new guidance also extends the deadline by which construction of eligible energy property must begin. The IRS's new guidance also outlines requirements relevant to several types of alternative energy projects, including deadlines and qualifications for qualified fuel cell and qualified microturbine, combined heat and power system (CHP) projects. © 2018 Varnum LLP

<https://www.varnumlaw.com/newsroom-publications-irs-issues-guidance-on-investment-tax-credit-for-alternative-energy-projects>

## Energy Department Selects Seven Projects to Develop Combined Heat and Power Technologies that Offer Services to the Electric Grid

CHP can also help improve the resiliency of the U.S. electric grid by providing supplemental power during natural disasters and help reduce the strain on existing grid infrastructure by meeting peak demand, reducing congestion, and improving overall power quality. In addition, these systems can also provide facility owners with more efficient and lower cost electricity.

<https://www.districtenergy.org/blogs/microgrid-resources-coalition/2018/09/12/energy-department-selects-seven-projects-to-develop>

## Distributed Energy Poised for 'Explosive Growth' on the US Grid

GTM Research has been tracking the rapid growth of rooftop solar, small-scale **combined heat and power (CHP)** systems, residential smart thermostats, electric vehicles and behind-the-meter batteries across the U.S.

<https://www.greentechmedia.com/articles/read/distributed-energy-poised-for-explosive-growth-on-the-us-grid#gs.KxBQSOQ>

## Pennsylvania Public Utility Commission Gives Formal Approval for Clean Energy Cogeneration

In 2018, practically every company in America (and around the globe) is dependent on electricity to maintain day-to-day operations. Due to this dependence, renewable, resilient energy has become vital, and new technologies (like CHP) are making it more approachable and attainable than ever. By adopting a policy statement in support of CHP development, the State of Pennsylvania is recognizing the many benefits that this technology can offer both its state and businesses.

<http://www.blueskypower.com/pennsylvania-public-utility-commission-gives-formal-approval-for-clean-energy-cogeneration/>

"This newsletter includes an editorial roundup of top stories from *CHP-Funder.com* and the global media, showcasing the latest in Combined Heat and Power (CHP) innovation and the investors that fund it. Please get in touch if you'd like to be a guest contributor, or if you have any feedback or tip."

## **Venture Capital firms invested a record \$1.05 billion in construction technology startup companies during the first half of 2018**

JLL, in a [new report](#), found that VC firms invested a record \$1.05 billion in construction technology startup companies during the first half of 2018. That is nearly 30% more VC funding than during the same period in 2017, and it adds to the more than \$3 billion in funding since 2009, across 478 construction technology deals.

<https://www.bdcnetwork.com/silicon-valley-here-get-over-it>

## **NYU LANGONE HEALTH OVERHAULS ITS POWER SYSTEM, EMPHASIZING RESILIENCE USING CHP**

As part of a campus-wide revitalization, NYU Langone Health overhauled its power system with an emphasis on resilience, incorporating a combined heat and power plant, emergency boilers, flood protection, and other measures to enable the medical center to continue its important work even in worst-case scenarios. And this past April, NYU Langone Health became the first hospital to achieve Performance Excellence in Electricity Renewal (PEER) certification, a LEED-style, Green Business Certification Inc. (GBCI)-administered rating system designed to measure and improve power system performance. It's the first to achieve PEER Platinum—a bellwether for the future.

<http://plus.usgbc.org/nyu-langone-health-overhauls-its-power-system-emphasizing-resilience-using-peer/>

## **The 10% CHP tax credit has been extended to 2022.**

This is great news for anyone that recently installed CHP in the U.S. or is planning to do so. The original CHP tax credit expired on 12/31/16, but it has been extended and effective retroactively, so if you installed a Combined Heat & Power (CHP) System in 2017, you may be eligible for a 10% tax incentive. The 10% Investment Tax Credit (ITC) was part of the Energy Improvement and Extension Act of 2008, and the extension is part of the Bipartisan Budget Act of 2018 that was signed on Friday, February 9, 2018.

<https://www.linkedin.com/pulse/10-combined-heat-power-tax-credit-re-instated-eric-burgis/?trackingId=%2B1Kzv8AmCkx522c0b0i32g%3D%3D>

"This newsletter includes an editorial roundup of top stories from *CHP-Funder.com* and the global media, showcasing the latest in Combined Heat and Power (CHP) innovation and the investors that fund it. Please get in touch if you'd like to be a guest contributor, or if you have any feedback or tip."

## **Pennsylvania opens Alternative Clean Energy Program**

The Alternative and Clean Energy Program (ACE) provides financial assistance in the form of grant and loan funds that will be used by eligible applicants for the utilization, development and construction of clean energy projects in the state, including CHP. The program is administered jointly by the Department of Community and Economic Development (DCED) and the Department of Environmental Protection (DEP), under the direction of the Commonwealth Financing Authority (CFA).

<https://dced.pa.gov/programs/alternative-clean-energy-program-ace/>

## **CHP project funding site launches in US**

A website dedicated to matching **combined heat and power** (CHP) project developers with investors has been launched in the **US**.

<http://www.decentralized-energy.com/articles/2018/01/chp-project-funding-site-launches-in-us.html>

## **Combined Heat and Power (CHP) Installation Market Projected to Touch US \$812.80 bn by the end of 2024**

The high-level analysis in the report provides detailed insights into the CHP business globally. There are currently numerous drivers of the market. One of the most prominent drivers is the supportive government policies for the installation of CHP equipment. The CHP market was segmented on the basis of type (large-scale and micro & small-scale), by application (residential, commercial, and industrial), by technology (combined cycle, combustion/gas turbine, steam turbine, reciprocating engine, others (microturbine, fuel cell, and waste heat recovery)), and by fuel (natural gas, coal, biomass, others (wood, waste heat, and oil)).

<https://www.mrrse.com/combined-heat-and-power-market>

## **A New Resource for Capitalizing on the Shale Revolution**

A new website designed to match up developers of combined heat and power projects (CHP) with financing to bring these energy advancements to fruition.

<http://naturalgasnow.org/chp-funder-new-resource-capitalizing-shale-revolution/>

"This newsletter includes an editorial roundup of top stories from *CHP-Funder.com* and the global media, showcasing the latest in Combined Heat and Power (CHP) innovation and the investors that fund it. Please get in touch if you'd like to be a guest contributor, or if you have any feedback or tip."

## Nine emerging trends in the Construction Market

2018 construction trends report update available for free.

<http://BDCnetwork.com/18Trends>

## 6.3% of electricity produced in the UK is generated using cogeneration

According to data published by the ADE (Association for Decentralised Energy), member of COGEN Europe, 43 new cogeneration plants were installed in the UK between 2015 and 2016 and the electricity produced by this type of plant represented 6.3% of the total production. Moreover, a potential of 400 TWh has been identified for natural gas cogeneration plants and almost 275 TWh for CHP plants connected to district heating networks.

[https://www.cogenerationchannel.com/en/video/category/mercato-e-ricerca/722/il-63-dellelettricitaprodotta-uk-e-generata-trami/?utm\\_source=Contatti+EN&utm\\_campaign=a4e475281a-EMAIL\\_CAMPAIGN\\_2018\\_09\\_EN&utm\\_medium=email&utm\\_term=0\\_1692a9b9a4-a4e475281a-424079185](https://www.cogenerationchannel.com/en/video/category/mercato-e-ricerca/722/il-63-dellelettricitaprodotta-uk-e-generata-trami/?utm_source=Contatti+EN&utm_campaign=a4e475281a-EMAIL_CAMPAIGN_2018_09_EN&utm_medium=email&utm_term=0_1692a9b9a4-a4e475281a-424079185)

## Website Connects Lenders/Borrows for Natural Gas CHP Projects

There are a dozen hospitals across PA that also use CHP. The *cool* thing? Much (most?) of the time the primary fuel used in CHP installations is natural gas. We spotted an article on MDN's sister site *Natural Gas Now* about a new website called CHP-Funder ([www.CHP-Funder.com](http://www.CHP-Funder.com)). The site matches those who want to build CHP plants with those willing to fund them.

<https://marcellusdrilling.com/2018/01/website-connects-lenders-borrows-for-combined-heat-power-projects/>