

CAPSTONE RECEIVES SUBSTANTIAL FOLLOW-ON ORDER FOR RECOVERING RUSSIAN MARKET

VAN NUYS, Calif., March 05, 2018 (GLOBE NEWSWIRE) -- Capstone Turbine Corporation (www.capstoneturbine.com) (Nasdaq:CPST), the world's leading clean technology manufacturer of microturbine energy systems, announced today a follow-on order for thirteen C65 microturbines to be deployed in western Russia.

<https://ir.capstoneturbine.com/press-releases/detail/3589>

DOE Announces \$10M for CHP Research to Support the Electric Grid

The Office of Energy Efficiency and Renewable Energy (EERE) announced up to \$10 million to conduct research and development activities to further the utilization of cost-effective, highly efficient combined heat and power (CHP) specifically designed to provide support to the electric grid.

<http://www.energyvortex.com/pages/headlinedetails.cfm?id=8272>

Combined Heat and Power Market Analysis 2018

Industry Updates, Major Key Players, Size, Share, Trends, Strategy and Future Prospects by Forecast to 2023

https://industrytoday.co.uk/energy_and_environment/combined-heat-and-power-market-analysis-2018---industry-updates--major-key-players--size--share--trends--strategy-and-future-prospects-by-forecast-to-2023

CHP Microgrids as Resilient Energy Infrastructure

The energy industry has been working overtime to better define resilience. ISO/RTO comments reflect regional variances as expected while sharing a common thread of the paradigm shift underway from central station power plants to more distributed generation. Throughout intense storms and for many days thereafter, the district energy/CHP microgrids at Princeton University, New York University and Co-Op City in the Bronx, maintained continuous energy services to connected customers, supporting residents, critical research and first-responders.

<https://www.utilitydive.com/news/microgrids-as-resilient-energy-infrastructure/519251/>

New Data Center Opportunities to Fuel the Expansion of Combined Heat and Power (CHP) Systems Market

CHP systems for data centers are gaining traction in the market as using such plants as source of data center power leads to energy efficient and substantial cost reduction benefits.

Read more: <http://www.digitaljournal.com/pr/3694613#ixzz5AP3n7Po2>

NatGas to Remain #1 in the Industrial Sector.

The U.S. Energy Information Administration projects a 40% increase in natural gas consumed in the U.S. industrial sector, jumping from 9.8 quadrillion British thermal units (Btu) (9.8 trillion cubic feet, Tcf) in 2017, to 13.7 quadrillion Btu (13.7 Tcf) in 2050. "The U.S. industrial sector consumes more natural gas than any other sector, surpassing electric power in 2017, and the combined residential and commercial sectors in 2010," EIA reported. In 2017, roughly 66% of total industrial natural gas consumption was consumed for **heat or power applications** — either for industrial processes, such as in furnaces, or for onsite power generation. Several industries, including bulk chemicals, food, glass, and metal-based durables used natural gas for 40% or more of their heat or power applications last year. EIA expects these industries will continue to use roughly the same proportion of natural gas for heat or power applications through 2050 because of the cost associated with fuel switching.

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>

U.S. Energy Production and Exports Surge

The interactive diagram allows you to see how U.S. crude oil and petroleum product exports have evolved since 2000. You can also select a year and highlight selected countries. The top 10 export destinations are displayed for each year.

<https://economics21.org/html/exploring-rapid-growth-us-crude-oil-and-petroleum-product-exports-2884.html>

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/>

How Does CHP work?

Instead of letting heat escape uselessly up cooling towers, why not simply pipe it as hot water to homes and offices instead? That's essentially the idea behind CHP: to capture the heat that would normally be wasted in electricity generation and supply it to local buildings as well. Where a conventional power plant makes electricity and wastes the heat it makes as a byproduct, a CHP power plant makes both electricity and hot water and supplies both to consumers. Cogeneration (the alternative name for CHP) simply means that the electricity and heat are made at the same time.

http://www.explainthatstuff.com/combinedheatpower_cogeneration.html

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>

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/>

Website Connects Lenders/Borrowers 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). The site matches those who want to build CHP plants with those willing to fund them.

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

Combined Heat and Power Generation Market look back at 2020 projections

Research and Markets (http://www.researchandmarkets.com/research/x6gvnx/north_american) has announced the addition of the "North American Combined Heat and Power Generation Market" report to their offering.

<https://www.utilitydive.com/press-release/20151001-north-american-combined-heat-and-power-generation-market-to-2020-market-l/>