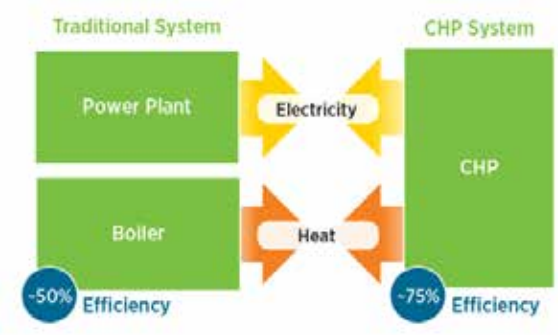
DOES COMBINED HEAT AND POWER (CHP) MAKE SENSE AT YOUR FACILITY?

WHAT IS CHP?

Combined heat and power (CHP) — sometimes referred to as cogeneration, is the simultaneous production on-site of electric power and heat from a single fuel source. CHP provides a cost-effective alternative to a site separately purchasing electricity from the local utility and burning fuel in a boiler or furnace to produce heat needed by the facility.



WHAT ARE THE BENEFITS OF CHP?

- CHP is a **proven technology**, able to serve a large range of industrial, institutional, and commercial applications from small to very large
- CHP improves **business competitiveness** and contributes to a **healthier local and state economy,** by dramatically increasing energy efficiency and **lowering operating costs**, when compared to separate generation of electricity and heating/cooling
- CHP increases **energy reliability and resiliency** of local businesses and of such critical community services as police, fire/emergency services, water/wastewater treatment facilities, hospitals, nursing homes, etc.
- CHP contributes to **keeping all utility customers' rates down** by reducing grid congestion, electric distribution costs, and the utility's need to invest in new infrastructure
- CHP **reduces emissions** of all pollutants through its higher efficiency and creates a more **diverse energy supply.**

WHO HAS INSTALLED CHP?

The **DOE database of CHP installations** provides information about CHP systems currently operating across the United States (see map), including 22 locations in Missouri. Features include search and filter options and the ability to download a list of operating CHP systems and state-level summary tables.

Source: doe.icfwebservices.com/chpdb/

More than 30 **CHP Project Profiles** of Midwest CHP projects have been compiled by the U.S. Department of Energy's Midwest Combined Heat and Power Technical Assistance Partnership (Midwest CHP TAP). The two-page profiles describe successful projects at manufacturers, hospitals, universities, wastewater treatment plants, ethanol plants, data centers, and municipal facilities in the Midwest region. (www.midwestchptap.org/profiles/)

NEXT STEPS: *FIND OUT IF CHP COULD BE A GOOD FIT FOR YOUR FACILITY*

1. **Answer the brief questions at the following weblink and the US DOE Midwest CHP TAP will contact you to provide a no-cost CHP screening**: http://www.midwestchptap.org/CHPScreening/
2. To learn more about the concepts and benefits of CHP, attend a 45 minute LIVE webinar (at no cost), on August 10, 2017 @ 11AM CT. Register at the following: http://www.midwestchptap.org/CHP101Webinar/
3. Or view this 10-minute archived presentation: http://www.midwestchptap.org/BenefitsofCHP/
4. Any questions, contact:

U.S. DOE MIDWEST CHP TECHNICAL ASSISTANCE PARTNERSHIP
Cliff Haefke, 312-355-3476, chaefk1@uic.edu
David Baker, 513-356-9344, dsbaker@uic.edu
Graeme Miller, 312-996-3711, gmille7@uic.edu
www.midwestchptap.org/

MIDWEST U.S. DOE CHP Technical Assistance Partnerships

The Midwest CHP TAP is a U.S. DOE sponsored program managed by the Energy Resources Center located at the University of Illinois of Chicago