



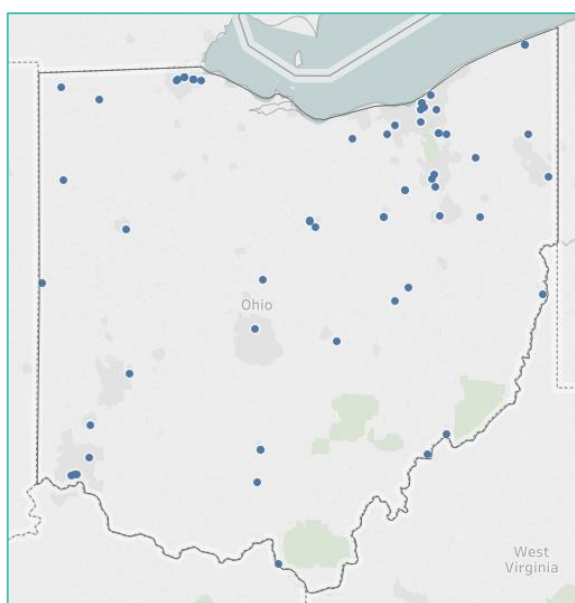
Combined Heat and Power (CHP) Snapshots – Ohio

Midwest CHP Technical Assistance Partnership (TAP) Quick Facts

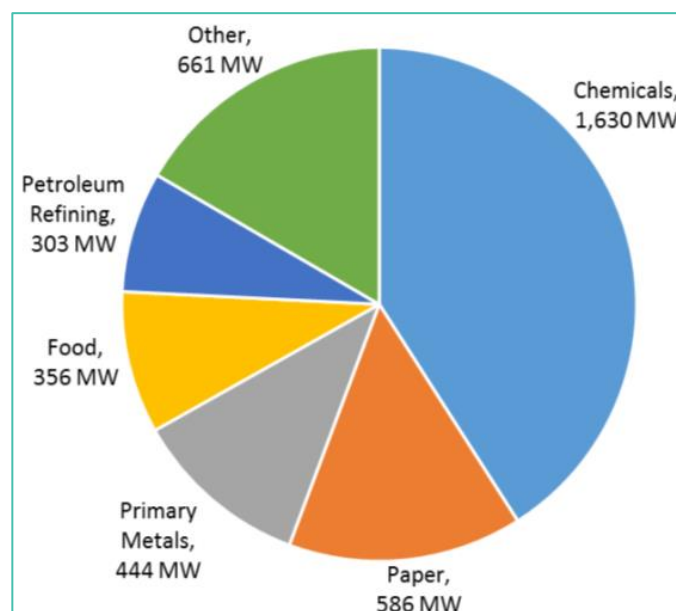
- The Midwest CHP TAP works with regional partners to promote and assist in transforming the market for CHP, waste heat to power, and district energy technologies throughout the midwestern region of the U.S.
- The Midwest CHP TAP serves the states of Illinois, Indiana, Michigan, Minnesota, **Ohio**, and Wisconsin.

State	Number of Current Sites	Total CHP Capacity (MW) Deployment	Number of Potential Sites	Total CHP Technical Potential (MW)	CHP TAP Activities (2014-2017)		
					Technical Assistance	End-User Education	Policymaker Education
Illinois	125	1,232	13,717	7,464	73	55	23
Indiana	37	2,457	7,273	4,610	13	14	7
Michigan	87	3,382	10,370	4,987	19	16	9
Minnesota	56	1,003	6,326	4,310	30	18	17
Ohio	65	532	13,194	7,288	31	20	13
Wisconsin	98	1,619	7,008	3,474	9	7	2
Total	468	10,225	57,888	32,133	175	130	71

Ohio CHP Installations



CHP Technical Potential by Industrial Sector





Ohio CHP Project Snapshots

- ◆ **Solvay Specialty Polymers (Marietta, OH)** – Searching for a replacement for its thermal energy source, Solvay Specialty Polymers installed an 8 MW gas turbine CHP system in 2015, which provides 100% of steam needs and 97% of electrical load for the 24/7 chemical processing facility. Built, owned, operated, and maintained by DTE Energy services, the CHP system is expected to produce energy savings exceeding its installation costs by \$6 million.
- ◆ **City of Akron Wastewater Treatment Plant (Akron, OH)** – In order to utilize the methane gas produced onsite by anaerobic digesters, the City of Akron installed a CHP system at its municipal wastewater treatment plant in 2013. Methane gas produced onsite is used to power a 1.8 MW engine system, which provides thermal energy and electricity for use at the plant. The CHP system saves the plant nearly \$50,000 on energy costs every year and is expected to pay for itself in just under 5 years.

Testimonials from CHP TAP Beneficiaries in Ohio

“[The Midwest CHP TAP] has served as a valuable entity to Cleveland State University, to the State of Ohio, and to the Midwest Region in promoting the development of CHP... please know that these services have greatly benefited our institution and other regional end-use facilities with which we are familiar.”

*Andrew Thomas, Director
Energy Policy Center, Levin College of Urban Affairs
Cleveland, OH*

“[The Midwest CHP TAP’s] expertise was helpful in identifying key information needs for the CHP workshops conducted in the Dayton area over the past couple of years. These workshops, in which [the TAP] participated as a presenter and facilitator, served as a resource for facilities considering CHP and helped expand outreach to facility owners. In addition, [the TAP] provided DP&L with valuable resources and insight into the development of the DP&L CHP incentive program offerings.”

*Stefanie Campbell, Manager
Energy Efficiency Programs, Dayton Power & Light Company
Dayton, OH*

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¹ U.S. DOE, December 2016, “Combined Heat and Power Installation Database” (<https://doe.icfwebservices.com/chpdb/>).

² U.S. DOE, March 2016, “Combined Heat and Power (CHP) Technical Potential in the United States” (<https://energy.gov/eere/amo/downloads/new-release-us-doe-analysis-combined-heat-and-power-chp-technical-potential>).