



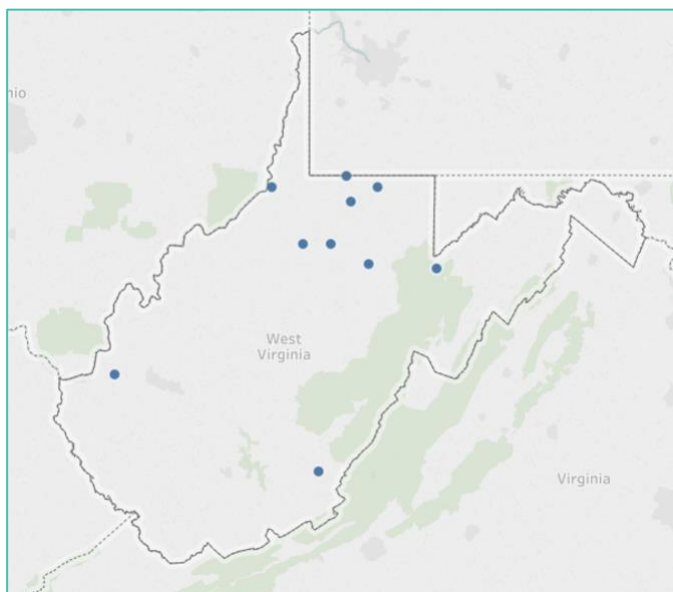
Combined Heat and Power (CHP) Snapshots – West Virginia

Mid-Atlantic CHP Technical Assistance Partnership (TAP) Quick Facts

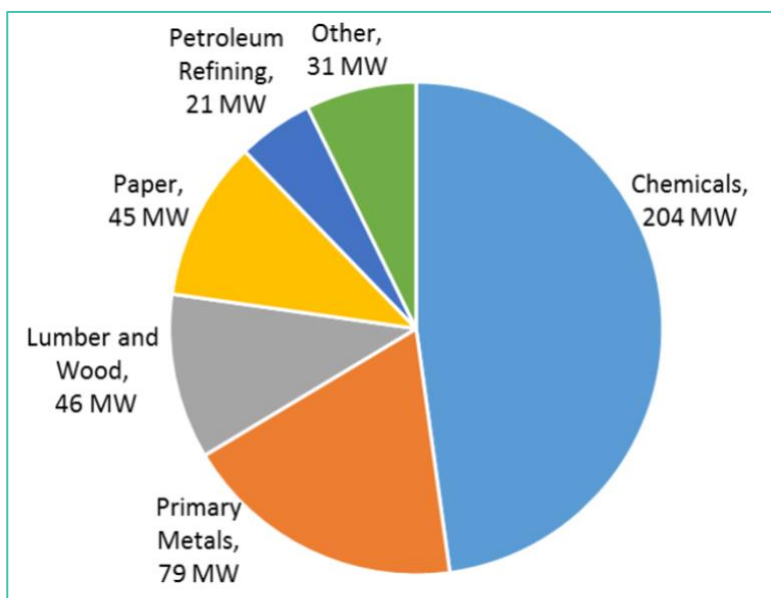
- The Mid-Atlantic CHP TAP works with regional partners to promote and assist in transforming the market for CHP, waste heat to power, and district energy technologies throughout the Mid-Atlantic region of the U.S.
- The Mid-Atlantic CHP TAP serves the states of Delaware, Maryland, Pennsylvania, Virginia, and **West Virginia**.

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
Delaware	7	371	832	747	11	1	0
Maryland	37	668	4,920	2,645	104	2	14
Pennsylvania	168	2,938	12,708	7,759	67	13	21
Virginia	50	1,608	7,291	4,308	10	3	6
West Virginia	10	277	1,630	929	5	3	3
Total	272	5,862	27,381	16,388	197	22	44

West Virginia CHP Installations



CHP Technical Potential by Industrial Sector





West Virginia CHP Project Snapshots

- **Blackville Gas Compressor Station, (Blacksville, WV)** – In 2012, Equitrans opened the Blacksville pipeline compressor station near Blacksville, WV. To power this gas gathering, dehydration, and compression station, Equitrans installed a 390 kW microturbine CHP system. This CHP system operates 24/7 and provides 100% of the station's electricity and heating needs, allowing the station to serve its West Virginia and Pennsylvania customers, even in the event of a grid outage.
- **H3 LLC, (Milton, WV)** – H3 assembles mineral rights properties for oil and gas companies in West Virginia. It also leases its own mineral properties throughout the state. In 2016, the company installed an 8 kW micro-CHP system to provide electricity, heating, cooling, and domestic hot water to their headquarters in Milton, WV. The system has reduced energy costs for the facility and provides increased reliability in the event of grid outages.

Testimonials from CHP TAP Beneficiaries in the Mid-Atlantic

“On behalf of PECO, an electrical and natural gas distribution company serving 1.6 million customers in eastern Pennsylvania I want to thank you for the great work your organization has done in support of the advancement of the implementation of combined heat and power (CHP) technology in the region. PECO promotes the greater implementation of CHP through its Act 129 CHP offer currently in effect through May of 2021. Over this period, we have earmarked nearly \$25M to advance acceptance and implementation of CHP and we rely heavily on the Mid-Atlantic CHP Technical Assistance Partnership as a means to help educate our customers on CHP technologies and benefits.”

*PECO Energy Company
Philadelphia, PA*

“We have found the expertise and professionalism of the CHP TAP to be incomparable for the knowledge they have offered and have provided us with basic knowledge and understanding of the complex aspect of CHP processes. I haven't found any other contractor that can offer the experience and talent than this program can offer better than Penn State. It would be a huge deterrent with my projects here in Delaware without the help of your staff. The help we've received is immeasurable. I look forward to continued support for our future projects.”

*Delaware Department of Natural Resources and Environmental Control
Dover, DE*

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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>).