



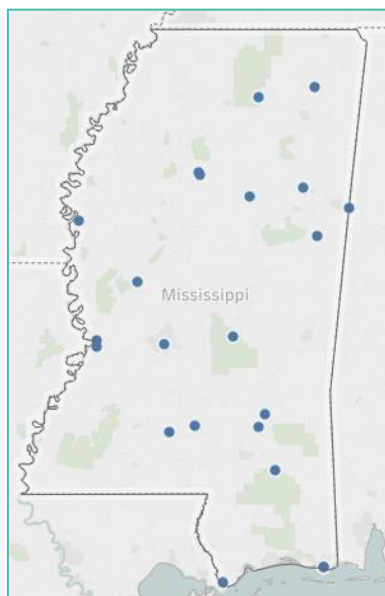
Combined Heat and Power (CHP) Snapshots – Mississippi

Southeast CHP Technical Assistance Partnership (TAP) Quick Facts

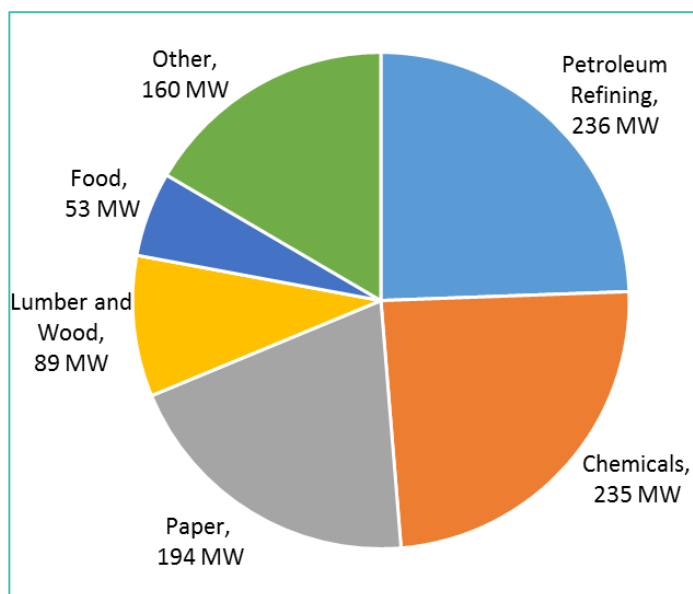
- The Southeast CHP TAP works with regional partners to promote and assist in transforming the market for CHP, waste heat to power, and district energy technologies throughout the Southeast.
- The Southeast CHP TAP serves the Southeastern states of Alabama, Florida, Georgia, Kentucky, **Mississippi**, North Carolina, South Carolina, and Tennessee.

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
Alabama	40	3,270	4,512	2,777	10	3	3
Florida	44	1,403	9,374	5,110	8	5	1
Georgia	68	3,276	17,823	6,968	9	3	4
Kentucky	11	142	4,030	2,721	33	9	5
Mississippi	23	527	2,629	1,833	8	1	4
North Carolina	73	1,511	8,437	4,352	64	14	21
South Carolina	28	1,381	4,273	3,063	23	5	7
Tennessee	22	971	6,134	4,183	51	6	2
Total	309	12,481	57,212	31,007	206	46	47

Mississippi CHP Installations



CHP Technical Potential by Industrial Sector





Mississippi CHP Project Snapshots

- **Three Rivers Landfill (Pontotoc, MS)** – In 2012, the Three Rivers Landfill commissioned a 1.2 MW CHP system to take advantage of the biogas being produced onsite. The CHP provides thermal energy and electricity to the landfill operations as well as providing electricity to 800-1,000 homes nearby. The landfill used the energy cost savings to build upon its success, expanding the system in 2016 to utilize more of the biogas produced onsite.
- **Mississippi Baptist Medical Center (Jackson, MS)** – The 4.6 MW CHP system installed in 1991 provides heating, cooling, and electric power to the 624-bed hospital facility. During and after Hurricane Katrina, the facility was able to operate independent of the electric grid was the only hospital in the Jackson metropolitan area to remain 100% operational, also receiving patients from other hospitals. With the installation of CHP, the hospital is also able to save over \$800,000 per year compared to previous energy costs for the facility.

Testimonials from CHP TAP Beneficiaries in the Southeast

“Thank you for the DOE Southeast CHP TAP's help in the preliminary evaluation of our CHP system at our Columbia, SC plant. Shaw Industries has found incredible value in the CHP Technical Assistance Program, the positive output of the report was the starting point for our project...The work done by your team demonstrated the viability of this project in measurable ways...This study showed viability without initial investment on our part, it has been a positive factor in getting this project approved and under way!”

*Kurt Kniss, P.E., C.E.M., Shaw Industries
Columbia, SC*

“It was a real pleasure for the opportunity to work with the DOE Southeast CHP TAP on evaluating CHP for Bridgestone America's portfolio of manufacturing facilities...Combined heat and power is a technology that we are working to investigate continuously at our plants due to the economic savings, environmental performance and energy resiliency benefits it can deliver. As a result of the CHP TAP's preliminary evaluation efforts, we have been pursuing a CHP opportunity at our Warren, Tennessee plant, by engaging an engineering firm for further study as well as entering into discussions with our electric utility on supporting the project.”

*Muneer Chowdhury, Energy and Environmental Efficiency Manager, Bridgestone Americas, Inc.
Warren, TN*

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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>).