



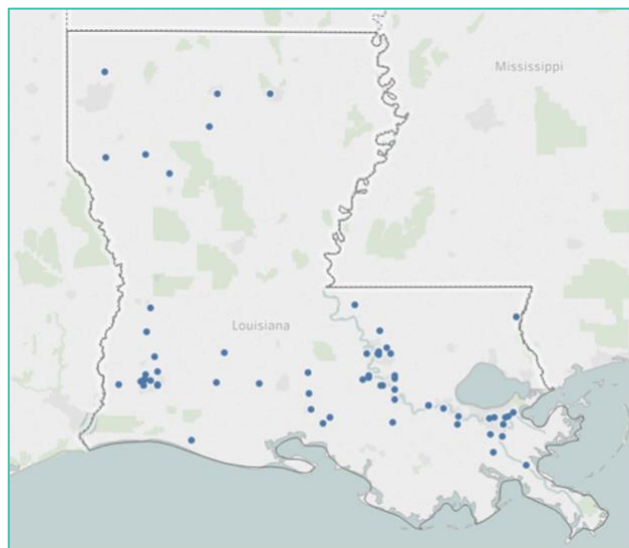
Combined Heat and Power (CHP) Snapshots – Louisiana

South-Central CHP Technical Assistance Partnership (TAP) Quick Facts

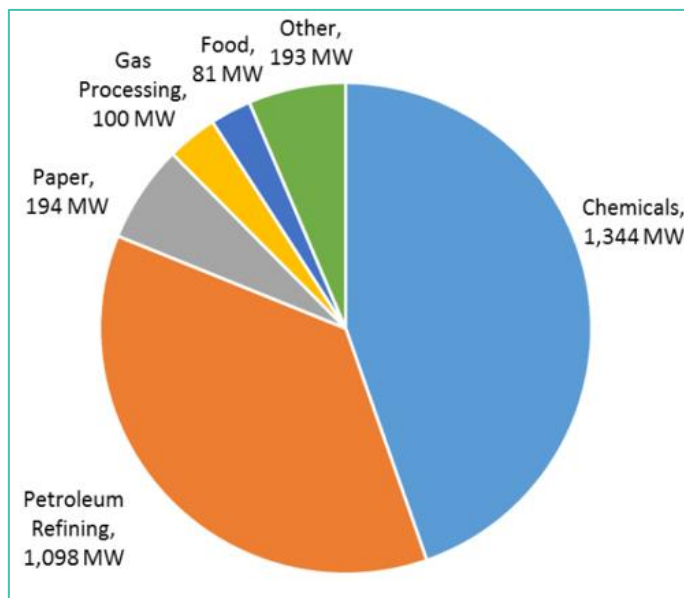
- The South-Central CHP TAP works with regional partners to promote and assist in transforming the market for CHP, waste heat to power, and district energy technologies throughout the central southern region of the U.S.
- The South-Central CHP TAP serves the states of Arkansas, **Louisiana**, New Mexico, Oklahoma, and Texas.

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
Arkansas	17	654	2,664	1,795	7	0	2
Louisiana	65	6,881	4,437	4,946	7	3	0
New Mexico	9	200	1,742	1,140	8	14	5
Oklahoma	10	546	3,397	1,916	13	6	5
Texas	130	17,612	20,855	14,062	139	30	20
Total	231	25,893	33,095	23,859	174	53	32

Louisiana CHP Installations



CHP Technical Potential by Industrial Sector





Louisiana CHP Project Snapshots

- ◆ **Dow Chemical, (Plaquemine, LA)** – Dow Chemical installed an 880 MW CHP system at its Plaquemine plant in 2004. The CHP system achieves over 80% efficiency, and provides electricity and steam for manufacturing processes at the plant. The increased efficiency from the CHP system has provided savings of over \$80 million per year on energy and operational costs for the facility that employs more than 3,000 full-time workers.
- ◆ **Evonik Industries, (Garyville, LA)** – The 5 MW CHP system provides electricity and steam to the 92-acre manufacturing facility and administrative campus of Evonik Industries, one of the world's leading specialty chemicals companies. The increased efficiency of power generation from CHP and onsite steam production has greatly improved reliability at the plant and minimized disruptions in thermal supply that previous affected operations. The CHP system also allows the facility to run independent from the grid, eliminating costly production losses in the case of power outages.

Testimonials from CHP TAP Beneficiaries in the South-Central

The South-Central CHP TAP provided early stage screenings and/or technical assistance for project development for the below projects:

“Through the recovery of otherwise wasted heat to produce steam to support campus demands, the University of New Mexico has demonstrated exceptional leadership in energy use and management. The CHP system operates at approximately 64 percent efficiency and uses approximately 18 percent less fuel than equivalent separate heat and power.”

*US EPA Air and Radiation (the project was awarded EPA's 2008 Energy Star CHP Award)
Ford Utilities Center Cogeneration Plant, University of New Mexico
Albuquerque, NM*

“Southwestern Energy is dedicated to the safe and environmentally responsible development of energy, and the CHP program has helped us to meet this goal at our Spring, TX campus by an impressive margin. We are obtaining electricity and cooling through the CHP for our 9,000 square-foot data center off-the-grid, while reducing our carbon footprint and overall environmental impact.”

*Jayme Negvesky, Senior Operations Manager
Southwestern Energy
Houston, TX*

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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>).