



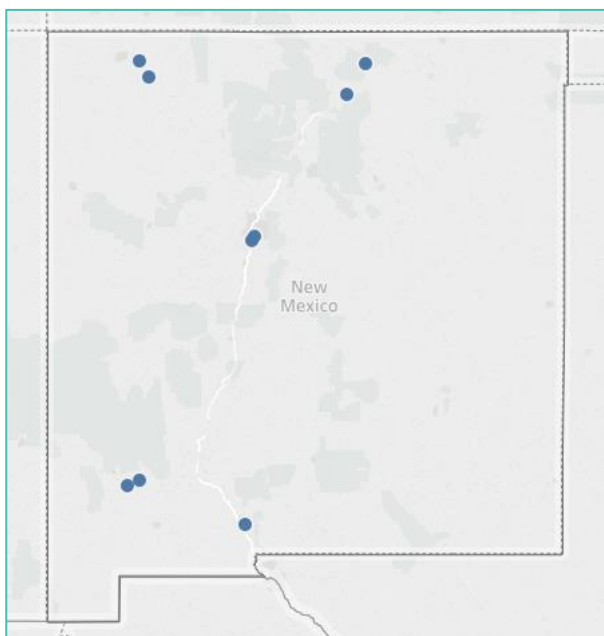
Combined Heat and Power (CHP) Snapshots – New Mexico

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

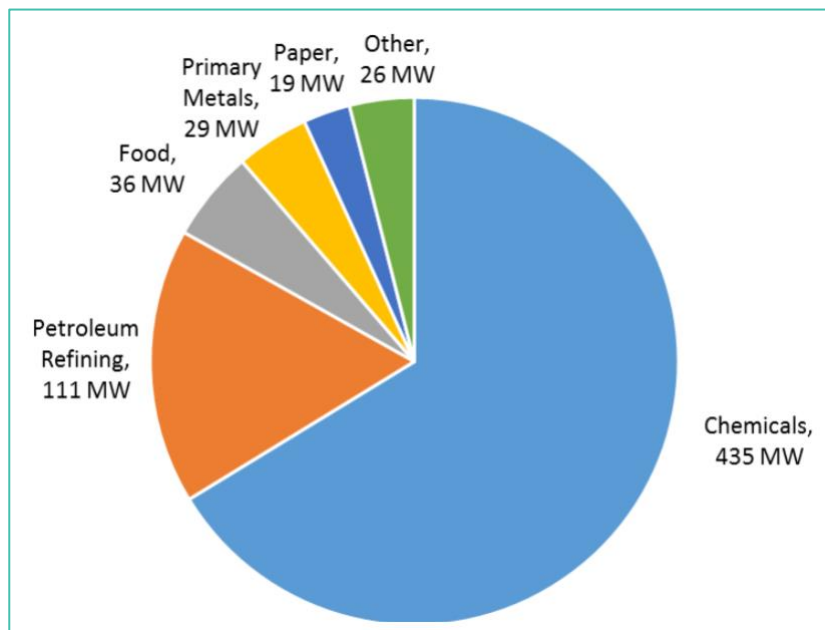
- The South-Central CHP TAP works with regional partners to promote and assist in transforming the market for CHP, waste heat to power, and district energy technologies throughout the central southern region of the U.S.
- The South-Central CHP TAP serves the states of Arkansas, Louisiana, **New Mexico**,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

New Mexico CHP Installations



CHP Technical Potential by Industrial Sector





New Mexico CHP Project Snapshots

- ◆ **University of New Mexico (Albuquerque, NM)** – Looking to expand the capabilities of its central utilities plant, the University of New Mexico installed a 6.5 MW CHP system in 2014. The gas turbine installation meets 25% of campus peak demand, decreasing the amount of electricity that must be bought from the Public Service Company of New Mexico. The campus decided in favor of CHP over solar PV because the gas turbine CHP system could be operated at all times of the day and night. In 2008, the system was awarded the EPA's Energy Star Combined Heat and Power Award.
- ◆ **Southside Water Reclamation Plant (Albuquerque, NM)** – Serving 563,000 people per day, the Southside Water Reclamation Plant is the largest in New Mexico. It uses the renewable biogas produced onsite to power the 6.6 MW CHP system which provides heat to the digesters and facility buildings. The increased efficiency with CHP has led to significant cost savings for the facility, which in large part have been passed on to Albuquerque and Bernalillo county water users.

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*

South-Central CHP TAP Contact:

Gavin Dillingham, Program Director, Houston Advanced Research Center
281-216-7147, gdillingham@harcresearch.org

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>).