



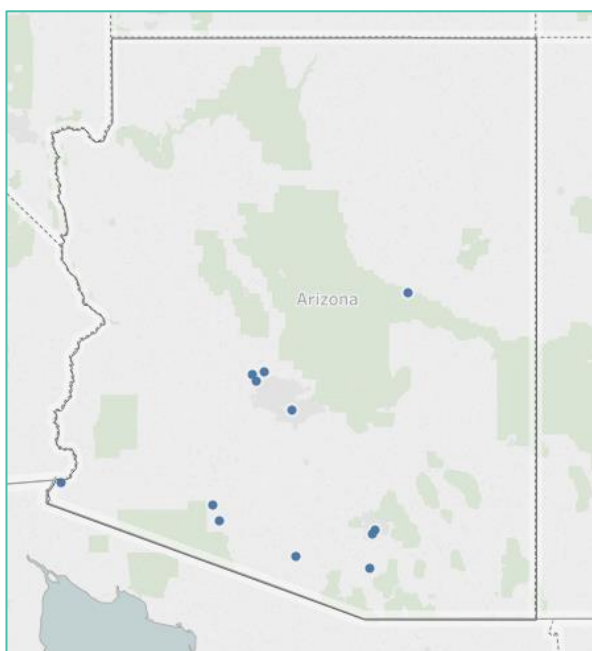
## Combined Heat and Power (CHP) Snapshots – Arizona

### Western CHP Technical Assistance Partnership (TAP) Quick Facts

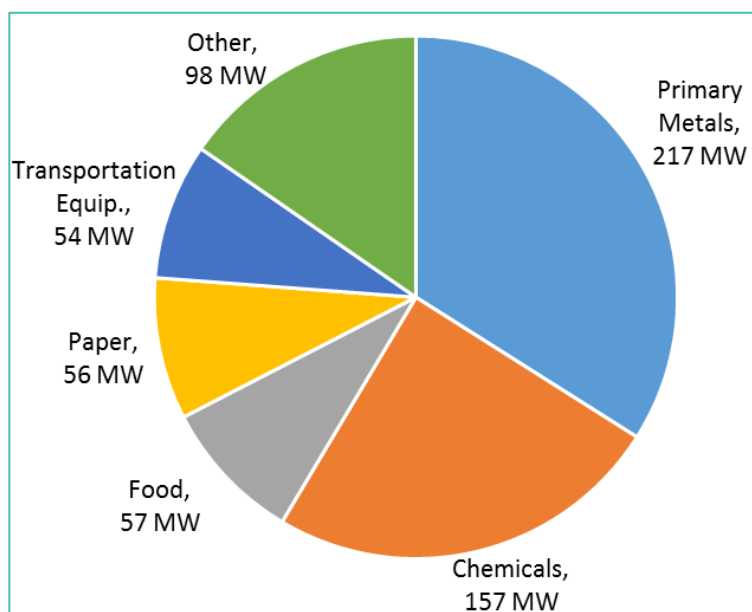
- The Western CHP TAP works with regional partners to promote and assist in transforming the market for CHP, waste heat to power, and district energy technologies throughout the West coastal region of the U.S.
- The Western CHP TAP serves the states of **Arizona**, California, Hawaii, and Nevada

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
<b>Arizona</b>	<b>12</b>	<b>83</b>	<b>5,703</b>	<b>2,422</b>	<b>26</b>	<b>5</b>	<b>19</b>
California	1,217	8,584	28,968	11,772	221	41	28
Hawaii	10	437	1,292	563	19	3	21
Nevada	14	316	2,399	1,378	10	4	3
<b>Total</b>	<b>1,253</b>	<b>9,420</b>	<b>38,362</b>	<b>16,135</b>	<b>276</b>	<b>53</b>	<b>71</b>

### Arizona CHP Installations



### CHP Technical Potential by Industrial Sector





## Arizona CHP Project Snapshots

- **Sun Devil Energy Center (Tempe, AZ)** – In 2006, Arizona State University installed a 9 MW CHP system at the Sun Devil Energy Center to provide electricity, steam, and chilled water to more than 80 campus buildings, including four key research facilities. Serving as a dependable electricity source and providing nearly all campus steam needs, the CHP system provides 24/7 power to the campus at a lower cost and higher reliability than before.
- **University of Arizona (Tucson, AZ)** - In 2002, the University of Arizona installed a 12 MW gas turbine CHP to provide electricity, heating, and cooling to the 378-acre campus. With significant energy cost savings and an increased need for reliable energy, the system operates around the clock, meeting 25% of the campus' demand for electricity and saving the university about \$93,000 per month.

## Testimonials from CHP TAP Beneficiaries on the West Coast

“Sierra Nevada Brewing Co. has found incredible value in the CHP Technical Assistance Program. Having the availability of third party, unbiased technical advice on complicated technologies made us feel much more informed in the energy decisions we have made for our brewery.”

*Cheri Chastain, Sustainability Manager  
Sierra Nevada Brewing  
Chico, CA*

“The [Western CHP TAP] team was able to evaluate different economic and technological opportunities to see what would best fit Paradise Valley. There were a few resizing's of the systems as well as certain technologies that were nixed due to their improbability. This approach of fine-tuning created a certain level of comfort when the final report came along. The breadth of knowledge with the up-front rebates, technologies and forecasted performance-based incentive programs also lent well in addition to their engineering expertise.”

*David Baker, Corporate Energy Manager and Facilities Operations  
Prime Healthcare  
Ontario, CA*

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

<sup>2</sup> 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>).