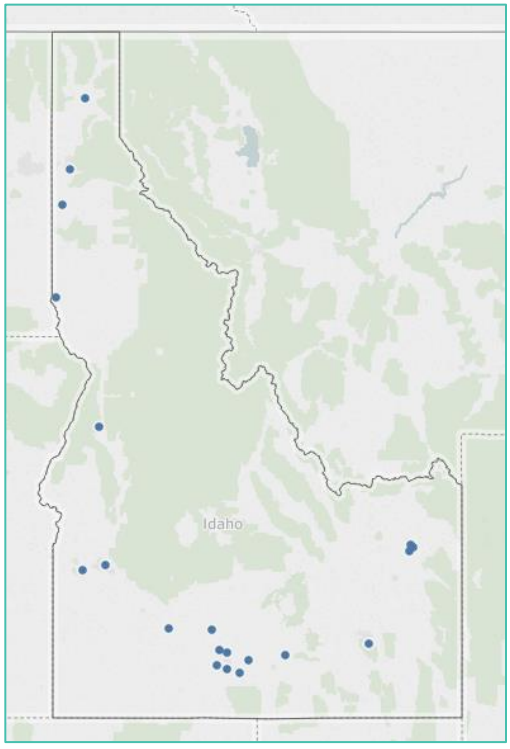
Combined Heat and Power (CHP) Snapshots – Idaho

Northwest CHP Technical Assistance Partnership (TAP) Quick Facts

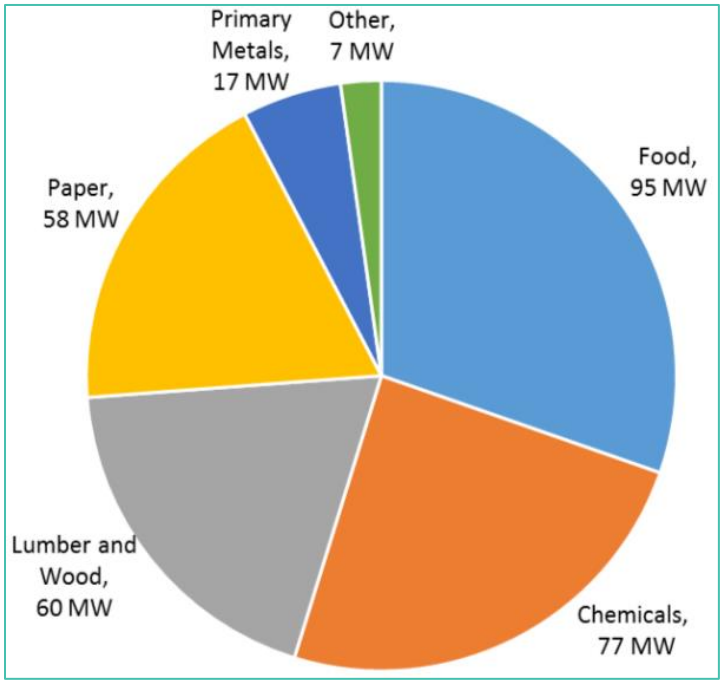
- The Northwest CHP TAP works with regional partners to promote and assist in transforming the market for CHP, waste heat to power, and district energy technologies throughout the Northwest.
- The Northwest CHP TAP serves the Northwestern states of Alaska, **Idaho**, Oregon, and Washington.

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
Alaska	158	505	632	408	26	9	3
Idaho	**22**	**213**	**1,407**	**659**	**30**	**11**	**1**
Oregon	56	2,070	3,466	1,342	44	15	9
Washington	35	1,052	5,570	2,545	71	17	37
Total	271	3,840	11,075	4,954	171	52	50

Idaho CHP Installations



CHP Technical Potential by Industrial Sector



Idaho CHP Project Snapshots

- **Fighting Creek Landfill (Coeur d'Alene, ID)** – In 2012, Kootenai County installed a 3.2 MW CHP system at their Fighting Creek Landfill site in Coeur d'Alene. In partnership with Kootenai Electric Cooperative, the system uses captured landfill gas to provide electricity and thermal energy to the landfill, increasing the overall efficiency of its operations. The system also provides reliable electricity for approximately 1,800 nearby homes.
- **Brigham Young University (Rexburg, ID)** – In order to increase power reliability on campus, BYU Idaho installed a 5.6 MW CHP system in 2015 that produces both steam and electricity. The CHP system was designed to serve campus heating and electric needs for the next 50 years, greatly increasing the efficiency of power generation and providing significant financial savings to the university.

Testimonials from CHP TAP Beneficiaries in the Northwest

"The Northwest CHP TAP Feasibility Study for our combined heat and power project was thorough, well presented and clear. Technical analysis of the project's baseline, technical, economic, energy security and environmental aspects presented a promising solution that allowed us to proceed to the Industrial Grade Analysis. Mr. McCoy's depth of understanding and extensive background in CHP helped us to find the best approach for Naval Air Station Whidbey Island's needs from among many alternatives. Dr. Roos' life cycle cost analysis was professional and complete."

Chris Taylor, Installation Energy Manager
Naval Air Station
Whidbey Island, WA

NEED ANOTHER TESTIMONIAL FROM EITHER AK, ID, OR, or WA

Northwest CHP TAP Contact:

David Van Holde, Senior Energy Systems Engineer, Washington State University Energy Program
360-956-2071, VanHoldeD@energy.wsu.edu

[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).