



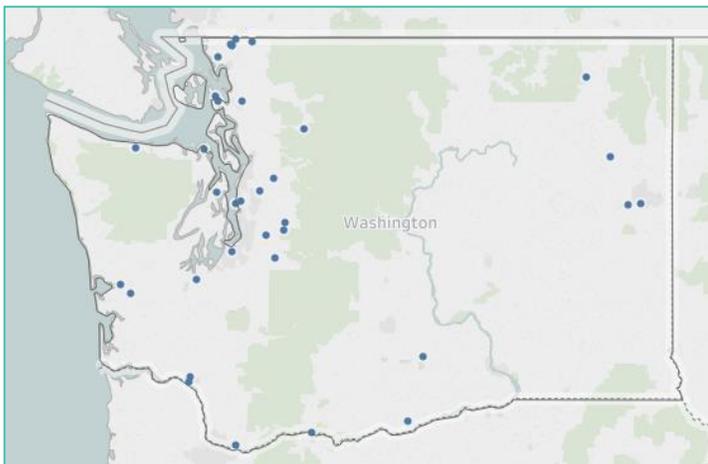
Combined Heat and Power (CHP) Snapshots – Washington

Northwest CHP Technical Assistance Partnership (TAP) Quick Facts

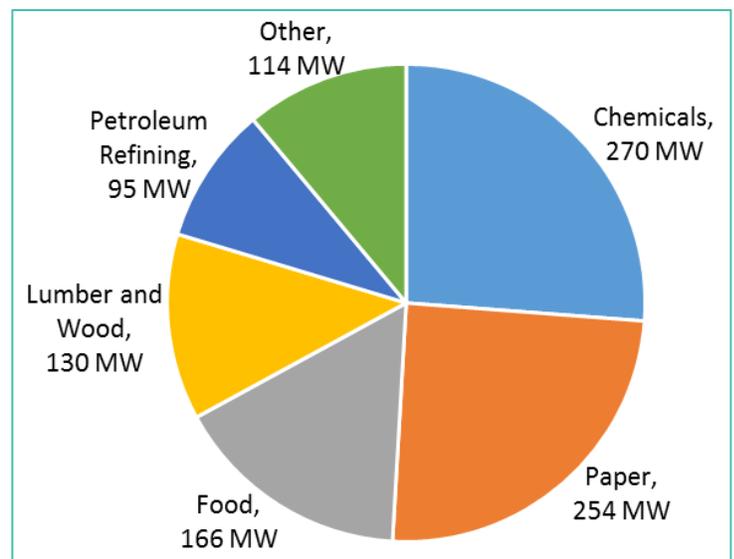
- The Northwest CHP TAP works with regional partners to promote and assist in transforming the market for CHP, waste heat to power, and district energy technologies throughout the Northwest.
- The Northwest CHP TAP serves the Northwestern states of Alaska, Idaho, Oregon, and **Washington**.

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

Washington CHP Installations



CHP Technical Potential by Industrial Sector





Washington CHP Project Snapshots

- ◆ **WestRock Pulp and Paper Mill (Tacoma, WA)** - In 2009, Simpson Tacoma Kraft began commercial operation of a 60 MW biomass-fueled CHP system to provide electricity and process steam to the pulp and paper mill. Since WestRock purchased the mill, the facility continues to use the CHP system, realizing fuel cost savings by using wood waste produced onsite and additional revenue from exporting excess electricity to the grid. These savings have allowed the facility to remain competitive at a time when many pulp and paper mills across the country are closing.
- ◆ **Budd Inlet Wastewater Treatment Plant (Olympia, WA)** - In order to provide both heat for the facility's digesters and power for the treatment plant, the LOTT (Lacey, Olympia, Tumwater, and Thurston) Clean Water Alliance installed a 335 kW CHP system at the Budd Inlet Wastewater Treatment Plant. Providing hot water, space heating, heat for the digester, and electricity for the plant and a nearby museum and office building, the CHP system saves the organization over \$150,000 per year in energy costs.

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

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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>).