

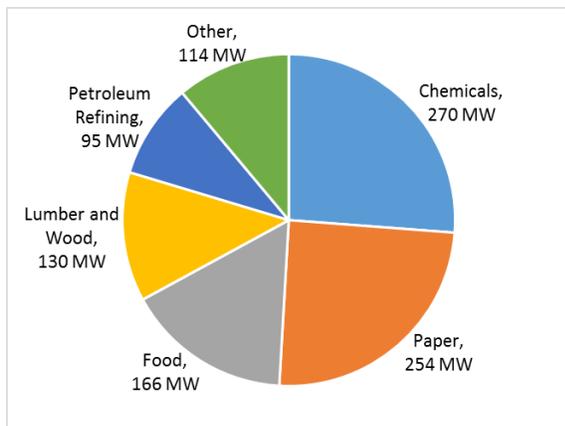
Washington

Washington has 2,545 MW of CHP technical potential capacity identified at 5,570 sites.⁹⁷

Table 1: Overall CHP Technical Potential in Washington

Business Type	50-500 kW		0.5 - 1 MW		1 - 5 MW		5 - 20 MW		> 20 MW		Total	
	Sites	50-500 kW (MW)	Sites	0.5-1 MW (MW)	Sites	1-5 MW (MW)	Sites	5-20 MW (MW)	Sites	>20 MW (MW)	Total Sites	Total MW
Industrial Topping Cycle CHP	686	133	111	76	113	222	22	203	11	396	943	1,029
Commercial Topping Cycle CHP	3,759	379	581	265	257	384	13	126	2	66	4,612	1,220
WHP CHP	3	0.5	2	2	3	7	3	28	3	100	14	138
District Energy CHP	0	0	0	0	0	0	0	0	1	158	1	158
Total	4,448	512	694	343	373	614	38	357	17	719	5,570	2,545

Figure 1: Top Industrial Types with On-site CHP Technical Potential

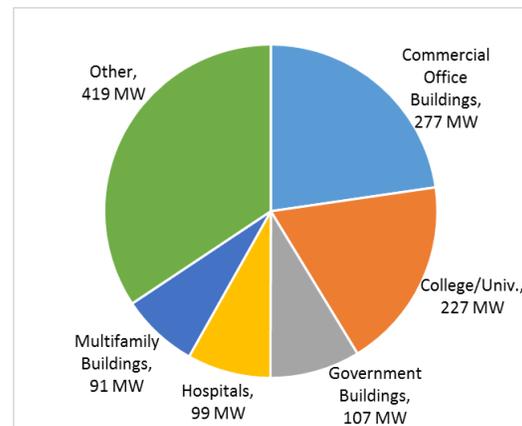


There is 1,029 MW of industrial on-site CHP technical potential in Washington, primarily in the chemicals, paper, food, lumber and wood, and refining sectors.

Table 1.1: Washington WHP CHP Technical Potential

SIC	WHP CHP Business Type	Total Sites	Total MW
28	Chemicals	1	0.04
29	Petroleum Refining	7	100
32	Stone/Clay/Glass	5	13
33	Primary Metals	1	24
	Total	14	138

Figure 2: Top Commercial Business Types with On-site CHP Technical Potential



There is 1,220 MW of commercial, institutional and multifamily on-site CHP technical potential in Washington, primarily in the commercial (office) buildings, colleges/universities, government buildings, hospitals and multifamily sectors.

Table 1.2: Additional CHP Technical Potential in Existing Washington District Energy

SIC	District Energy Type	Total Sites	Total MW
4961	Current Loops without CHP	1	158
4961	Current Loops with CHP expansion	0	0
	Total	1	158

⁹⁷ A detailed breakdown of Washington technical potential by application and size range is available in Appendix D, page D-95. For more information see: www.energy.gov/chp-installs, www.energy.gov/chp-projects, www.energy.gov/chp-contacts.