

2017 Renewable Energy for Washington Qualifying Utilities

Utility	Average Load 2015-2016 (MWh)	9% Renewable Target for 2017 (MWh)	Qualifying Renewables for 2017 (MWh)	Qualifying Renewables for 2017 (% of load)	Incremental Cost of Renewable Energy and RECs (% of revenue requirement)
Avista	5,600,551	504,050	857,698	15.3%	-0.2%
Benton PUD	1,716,049	154,444	154,444	9.0%	2.5%
Chelan PUD	1,561,621	140,546	140,546	9.0%	0.3%
Clallam PUD	594,872	53,538	53,539	9.0%	0.6%
Clark Public Utilities	4,319,274	388,735	175,300	4.1%	4.0%
Cowlitz PUD	5,026,104	452,349	452,350	9.0%	4.6%
Grant PUD	4,447,489	400,274	868,598	19.5%	0.2%
Grays Harbor PUD	891,925	80,273	96,360	10.8%	0.2%
Inland Power	839,675	75,571	75,571	9.0%	1.1%
Lewis PUD	893,454	80,411	80,411	9.0%	1.5%
Mason PUD #3	604,314	54,388	54,388	9.0%	2.6%
Pacific Power	4,044,962	364,047	364,047	9.0%	0.6%
Peninsula Light	559,171	50,325	50,326	9.0%	0.4%
Puget Sound Energy	20,479,094	1,843,118	1,919,762	9.4%	1.4%
Seattle City Light	9,168,966	825,207	825,208	9.0%	3.5%
Snohomish PUD	6,380,364	574,233	1,051,344	16.5%	5.3%
Tacoma Power	4,607,488	414,674	414,674	9.0%	0.7%
Total	71,735,371	6,456,183	7,634,565	10.6%	2.1%

Note:

Clark Public Utilities intends to comply under the 4% incremental cost cap provision.

Source: Utility reports submitted June 1, 2017. Available at:

<http://www.commerce.wa.gov/EIA>

revised July 10, 2017 (Avista historical loads)

2017 Renewable Resources and RECs by Resource Type

Eligible Renewable Resource	Energy (MWh)	Renewable Energy Certificates	Total	Percent of 2017 Total	Change from 2016 to 2017
Water	1,389,484	NA	1,389,484	18.2%	59.1%
Wind	1,053,059	3,789,374	4,842,433	63.4%	-3.5%
Solar	-	50,256	50,256	0.7%	514.4%
Geothermal	-	75,000	75,000	1.0%	-0.5%
Landfill Gas	-	125,650	125,650	1.6%	3.5%
Wave, Ocean, Tidal	-	-	-	0.0%	
Gas from Sewage Treatment	-	32,186	32,186	0.4%	83.9%
Biodiesel Energy	-	-	-	0.0%	
Biomass Energy	96,360	101,796	198,156	2.6%	-36.6%
Qualified Biomass Energy	287,143	188,324	475,467	6.2%	64.5%
Total Electric Generation	2,826,046	4,362,586	7,188,632		7.0%
Multiplier Factors					
Apprentice Labor	74,392	259,092	333,484	4.4%	39.9%
Distributed Generation	NA	112,449	112,449	1.5%	2.2%
Total Multipliers	74,392	371,541	445,933		
Total Generation and Multipliers	2,900,438	4,734,127	7,634,565	100%	8.1%

Notes:

One renewable energy certificate (REC) is equal to one megawatt-hour (MWh).

Qualified Biomass Energy is from generating units that commenced operation before 1999.

Source: Utility reports submitted June 1, 2017. Available at:

<http://www.commerce.wa.gov/EIA>

2016-2017 Conservation Targets and Acquisitions

Utility	2016-17	2016	2017	2016
	Conservation Target (MWh)	Conservation Acquired (MWh)	Conservation Acquired (MWh)	Conservation as a Percent of 2016-17 Target
Avista	82,477	76,600	2017 Conservation will be reported in 2018.	93%
Benton PUD	17,257	10,209		59%
Chelan PUD	14,542	17,901		123%
Clallam PUD	7,008	5,200		74%
Clark Public Utilities	67,802	44,212		65%
Cowlitz PUD	41,260	115,531		280%
Grant PUD	26,718	22,013		82%
Grays Harbor PUD	6,482	7,927		122%
Inland Power	6,658	7,307		110%
Lewis PUD	5,519	4,465		81%
Mason PUD #3	3,428	5,399		157%
Pacific Power	95,254	55,270		58%
Peninsula Light	4,767	3,900		82%
Puget Sound Energy	605,194	314,525		52%
Seattle City Light	224,431	134,846		60%
Snohomish PUD	122,990	89,354		73%
Tacoma Power	81,993	50,049		61%
Total	1,413,779	964,707		

Source: Utility reports submitted June 1, 2017. Available at:
<http://www.commerce.wa.gov/EIA>

2016 Conservation Acquisitions by End Use Sector

Utility	Residential	Commercial	Industrial	Agricultural	NEEA	Distribution	Other
Avista	44%	49%	0%	0%	7%	0%	1%
Benton PUD	31%	23%	30%	0%	16%	0%	0%
Chelan PUD	13%	58%	25%	0%	3%	0%	0%
Clallam PUD	62%	25%	0%	0%	11%	1%	0%
Clark Public Utilities	50%	25%	15%	0%	10%	0%	0%
Cowlitz PUD	3%	3%	90%	0%	4%	0%	0%
Grant PUD	6%	10%	69%	8%	6%	0%	0%
Grays Harbor PUD	23%	26%	38%	0%	14%	0%	0%
Inland Power	36%	45%	0%	11%	9%	0%	0%
Lewis PUD	27%	14%	38%	0%	20%	0%	0%
Mason PUD #3	16%	12%	60%	0%	11%	0%	0%
Pacific Power	33%	33%	26%	1%	7%	0%	0%
Peninsula Light	67%	18%	0%	0%	15%	0%	0%
Puget Sound Energy	45%	41%	5%	0%	3%	0%	7%
Seattle City Light	43%	46%	5%	0%	6%	0%	0%
Snohomish PUD	44%	32%	16%	0%	8%	0%	0%
Tacoma Power	26%	37%	21%	0%	8%	8%	0%
Total	36%	34%	21%	0%	6%	0%	2%

Source: Utility reports submitted June 1, 2017. Available at:

<http://www.commerce.wa.gov/EIA>