



Department of Commerce

Washington State Electric Utility Fuel Mix Disclosure Reports For Calendar Year 2017

November 2018
Report to the Legislature
Brian Bonlender, Director

Acknowledgements

This document was authored by the State Energy Office at the Washington Department of Commerce.

Greg Nothstein, Research
Michael Furze, Director, Energy Office
Carolee Sharp, Editor

Washington State Department of Commerce
State Energy Office
P.O. Box 42525
Olympia, WA 98504-2525
www.commerce.wa.gov/energy

For people with disabilities, this report is available on request in other formats. To submit a request, please call 360-725-4000 (TTY 360-586-0772).

Forward

The Washington State Fuel Mix Disclosure process is designed to provide utilities an assessment of their mix of fuel sources associated with the generation of the electricity used to serve their customer demand. The data supporting the process includes tabulated datasets from utilities and public agencies, as well as manually entered data.

If you have any questions about the information contained in this report, contact our office at 360-725-3112.

About the Washington State Electric Utilities Fuel Mix

The fuel mix disclosure law, RCW 19.29A, requires Washington State utilities to report to electricity consumers the sources of power they use to serve them. The law defines how the utility “fuel mix” should be calculated, which fuel categories to use, and how utilities should share this information with customers. The Department of Commerce (Commerce) collects the data supporting this effort; the fuel mix values and associated carbon dioxide emissions are calculated and summarized for utility and state level mix information.

How is a utility’s fuel mix determined?

The objective of the fuel mix disclosure process is to inform customers and policy makers about the characteristics of the electricity delivered by each retail supplier to consumers and businesses. Most retail suppliers use electricity from multiple sources, even if they operate their own power plants. In some cases retail suppliers obtain power without knowing the specific generation source. Power serving Washington utilities comes from three sources: 1) specific power plants, 2) the Bonneville Power Administration (BPA), and 3) unspecified power (labelled market purchases in the utility reports). Unspecified power is electricity obtained in a transaction where the seller does not identify a specific generating source, typically through short-term transactions in the bulk power markets.



In order to build a fuel mix picture for each utility, Commerce uses information reported by each utility about the quantity (megawatt-hours) of electricity from specific generating plants. The fuel source for the specified generating plants is provided by the U.S. Energy Information Administration (EIA). The fuel mix law requires that a utility have documentation of ownership or contractual rights from a specific generating facility in order to report a claim on that resource. To protect against double-counting of renewable energy sources, Commerce relies on the ownership of renewable energy certificates as evidence that the utility owns the right to make this claim.

Many utilities serve their retail customers using electricity provided by BPA, and BPA provides Commerce with information about the mix of resources used to generate this electricity.

The fuel mix law requires that Commerce assign fuel characteristics to power from unspecified sources based on the characteristics of all unclaimed power sources on the grid after specific plant claims have been removed from the total available power. This unclaimed, or residual power, is called the “net system power mix.”

The fuel mix law defines the power grid, for the purpose of calculating the net system power mix, as the electricity generated within the U.S. portion of the Northwest Power Pool. The Northwest Power Pool (NWPP) includes Washington, Oregon, Idaho, Utah, and parts of California, Montana, Wyoming and Nevada. Resources from this region are included in the calculation regardless of whether there is any evidence that they are used to serve Washington customers. It does not include resources in the Canadian portion of the Northwest Power Pool or most resources in California.

The equation for determining the net system power mix is: System Power Generated in the NWPP (U.S. portion only) minus Power Claimed from Specific Plant Sources equals the remaining power, or Net System Power Mix. The specific fuel sources for the Net System Power in the NWPP region are identified and are used to determine a NWPP Net System Fuel Mix.



The specified claims from Washington and Oregon ¹ account for about 41 percent of all generation in the NWPP. The residual 69 percent is used to calculate the fuel characteristics of the net system power mix. For each utility, Commerce assigns fuel characteristics in proportion to the resources in the net system power mix. For example, 33 percent of the net system power mix consists of coal-fired power. Therefore if a utility has 100 MWh of unspecified power, Commerce will add 33 MWh of coal to the utility’s total claims for coal-fired power.

One effect of this calculation is that a utility’s fuel mix will usually include some fossil fuel generation even if it does not own or contract for power from those specific resources. About 25 percent of the coal and 18 percent of the natural gas in Washington’s overall fuel mix results directly from the net system power mix calculation. A utility can avoid this effect only by identifying all of the electricity sources used to serve its retail customers.

¹ Washington Department of Commerce produces a Fuel Mix Disclosure report for the state of Oregon. Accordingly, resource claims made by Oregon utilities are subtracted from the NWPP power generation.

What is the source of information for this report?

The fuel mix law requires that Commerce base the net system mix calculation on “actual generation by fuel mix in the Northwest power pool for the prior calendar year” and specifies that Commerce publish the net system mix calculation “on or before May 1st of each year, or as soon thereafter as practicable once the data [...] is available.”

The U.S. Energy Information Administration (EIA) publishes generation and fuel consumption data for each power plant in the United States in its report EIA-923. EIA publishes its “early release” version of the EIA-923 report on approximately August 31 each year for the previous calendar year. The “early release” version is subject to revision after publication. The EIA reports are available at: www.eia.gov/electricity/data/eia923/.

Washington state electricity sector emissions are determined using the prorated EIA-923 fuel consumption information for all state power claims in combination with fuel specific emission rate data. Commerce has developed fuel specific emission rate database using information available from the EIA and the U.S. Environmental Protection Agency.

How is information presented in this report?

State level fuel mix information, expressed as power, fuel type and emissions, is presented first. The state level information is the aggregate of all of the calculated individual utility fuel mix values. The Northwest Power Pool (NWPP) Net System Mix information is described next and details the market power component of the state fuel mix. Following these tables and figures is a full description of the fuel mix for each electric utility in the State.

Notes and changes for 2017

- Several minor changes were made to the Fuel Mix Disclosure software for 2017 that improved its functionality.
- After receiving their final 2017 Fuel Mix reports several Oregon utilities requested adjustments and/or corrections to their utility reports.
- For the 2016 and 2017 Fuel Mix Disclosure reports the output from several power plants that are located outside of the NWPP, and which contribute only a portion of their power to utilities in the NWPP, were adjusted. Only the electric power used in the NWPP was recognized as being part of NWPP power generation. This change in accounting reduces the size of the NWPP power generation and as well as the net system mix.
- For the 2016 and 2017 reports the output from the Intermountain coal-fired power plant in Utah was removed from the Fuel Mix Disclosure calculation. This is a dedicated power plant that was built around 1980 to provide electricity specifically to about twenty five municipal utilities located in California and Utah.

- An estimate of the BPA Canadian Entitlement was made and treated as a claim against the BPA resource mix and thereby removed from the NWPP net system mix.
- Electricity supplied by BPA to public utilities in Idaho, Montana, Wyoming and Nevada was claimed against the BPA resource mix and removed from the NWPP net system mix.
- Electricity provided by Avista to its Idaho customers was claimed against the power generation resources listed by Avista in its Washington Fuel Mix Disclosure. This removed previously unclaimed electric power from these Avista resource's thereby removing it from the NWPP net system mix.
- Electricity provided by PacifiCorp to its California, Idaho, Utah and Wyoming customers was claimed against the power generation resources listed by PacifiCorp for its Oregon Fuel Mix Disclosure. This removed previously unclaimed electric power from these generation resources and removes it from the NWPP net system mix.
- Electric power provided by Consumer Choice Aggregators to customers in California and claimed against specific NWPP resources was removed from the NWPP net system mix.
- Electric power delivered by some Pacific Northwest power marketers to industrial and commercial customers in Oregon and Washington, which could be linked to a generating resource, was removed from the NWPP net system mix.
- Electricity provided by behind-the-meter entities such as Solar City was estimated using an EIA data set and was added as a NWPP resource.
- The above adjustments reduce the NWPP net system mix by approximately 35 percent.

Glossary

- "Claims on Resources" refers to power obtained from specific generation facilities, with fuel source information obtained from the US Energy Information Administration.
- "Market Purchases" refers to power obtained without known (specified) fuel sources. Commerce calculates and assigns a fuel mix to power obtained on the market.
- "BPA Resource Mix" includes only the portion of delivered BPA power that can be attributed to specific plants. The portion of BPA power that cannot be connected with a specified plant or fuel source is treated as unspecified (labeled Market Power in the report).
- "BPA Claims" includes only the portion of delivered BPA power that can be attributed to specific plants.
- Residual BPA Resource Mix: the portion of the BPA Resource Mix that is not claimed by Washington or Oregon utilities is incorporated into the NWPP Net System Mix.
- "BPA Market" is the portion of delivered BPA power that BPA purchased on the market and/or from another system without knowledge of specific plant or fuel sources.
- "BPA Slice Wind w/o RECs" includes a small amount of wind power that is not bundled with the Renewable Energy Credits (RECs) associated with that power. Such power is assigned the net system fuel mix, as though it were a market purchase.

Washington State Electric Utilities: 2017 Graphs and Tables

Washington State Aggregate Fuel Mix

The Washington “fuel mix” is the state aggregate of fuel sources associated with the electricity delivered by all electric utilities to end users in the state of Washington, including Bonneville Power Administration’s direct electricity sales. It includes all electric power that is used to serve retail customers that is owned, purchased under contract, or purchased on the spot market.

Figure 1: Washington State Electric Utilities Aggregate 2017 Fuel Mix (Percent)

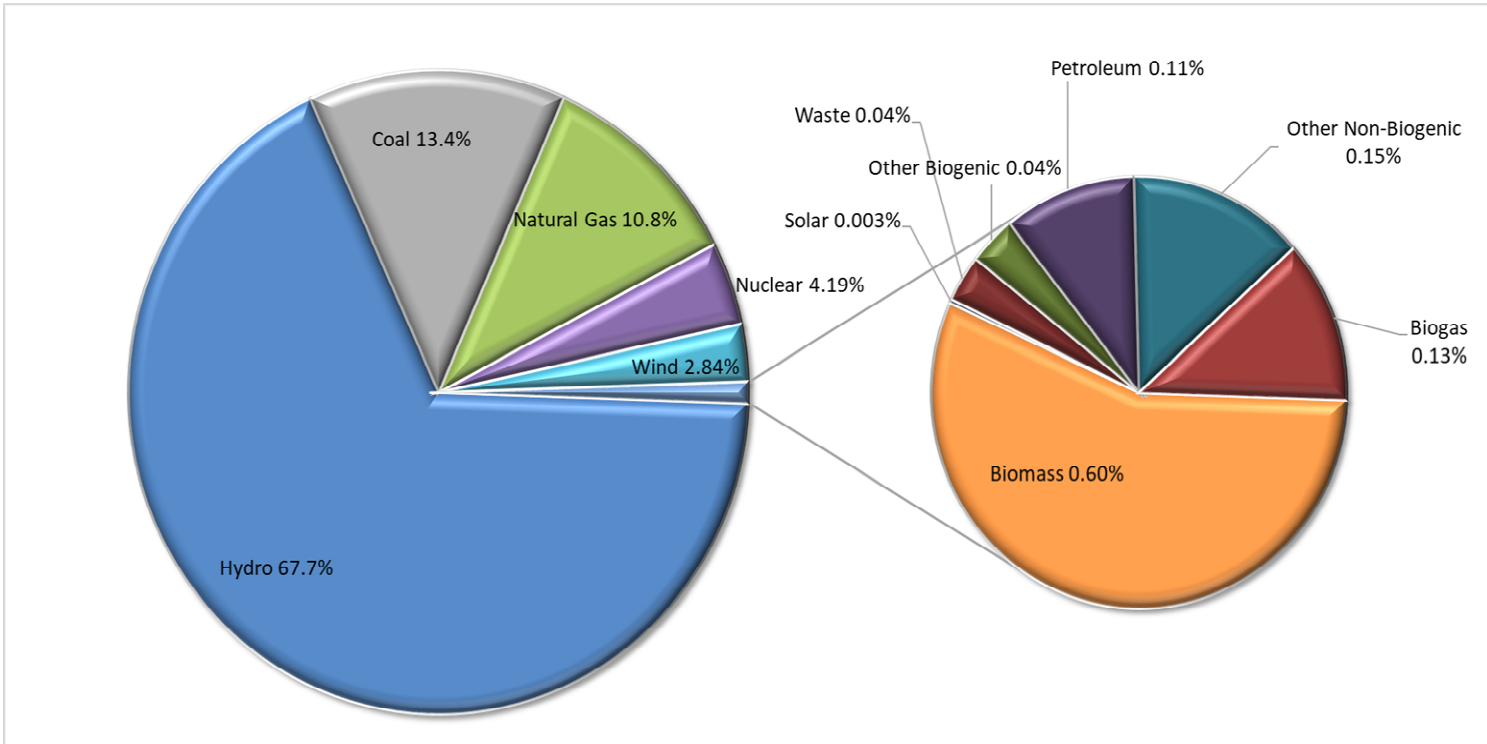


Table 1: Washington State Electric Utilities: Aggregate Fuel Mix 2017

Fuel Type	Unspecified (market) MWh	Specified (plant claim) MWh	Total Electric Power MWh	Share of total
Hydro	6,682,801	56,962,090	63,644,891	67.68%
Coal	2,015,966	10,577,471	12,593,438	13.39%
Natural Gas	2,617,845	7,564,036	10,181,880	10.83%
Nuclear	296,311	3,645,434	3,941,745	4.19%
Wind	0	2,674,081	2,674,081	2.84%
Biomass	254,786	307,525	562,311	0.60%
Biogas	0	121,566	121,566	0.13%
Other Biogenic	0	36,678	36,678	0.04%
Waste	0	35,234	35,234	0.04%
Petroleum	87,138	16,106	103,244	0.11%
Solar	0	3,071	3,071	0.00%
Geothermal	0	0	0	0.00%
Other Non-Biogenic	137,519	0	137,519	0.15%
Total	12,092,366	81,943,292	94,035,658	100.00%

Figure 2: Washington State Electric Utilities: Aggregate Fuel Mix Time Series 2001-2017 (Megawatt-hours)

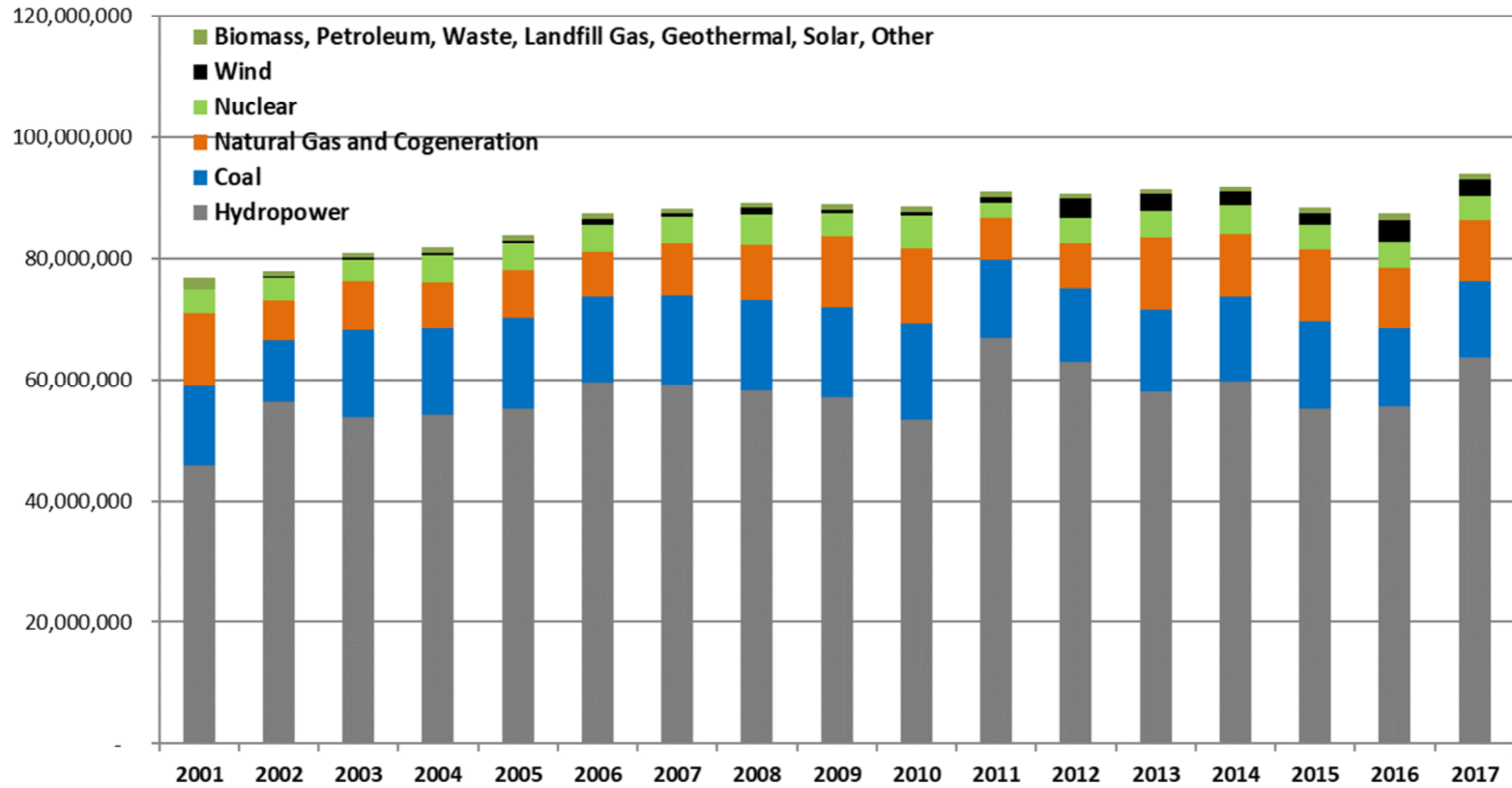


Table 2: Washington State Electric Utilities: Aggregate Fuel Mix Time Series 2001-2017 (Megawatt-hours)

Fuel Source	2000	2001	2002	2003	2004	2005	2006	2007	2008
Hydropwer	67,889,834	45,853,455	56,339,641	53,850,478	54,132,176	55,342,273	59,609,529	59,203,647	58,235,550
Coal	16,243,438	13,247,976	10,076,412	14,336,264	14,459,001	14,860,017	14,245,188	14,866,637	15,034,912
Cogeneration	5,428,455	5,954,725	3,971,751	3,590,493	2,717,321	2,660,660	2,766,515	2,157,302	1,635,296
Natural Gas	5,343,539	5,908,568	2,634,328	4,370,728	4,662,035	5,325,475	4,553,447	6,302,442	7,385,757
Nuclear	4,285,939	3,975,371	3,858,716	3,726,175	4,591,072	4,403,537	4,513,216	4,326,265	5,083,665
Biomass	1,100,469	937,515	392,378	434,700	536,643	587,085	392,712	460,983	415,226
Petroleum	401,383	489,650	22,244	34,957	53,046	44,233	62,232	69,267	69,937
Waste	159,888	236,666	23,471	139,056	102,864	150,955	331,963	288,528	276,669
Geothermal	143,024	158,779	-	-	-	-	14,399	11,189	16,866
Landfill Gas	68,978	70,807	220,705	75,125	134,122	80,500	57,858	49,041	23,043
Wind	-	23,822	163,134	320,540	346,470	432,667	867,392	545,622	1,010,928
Other			233,995	6,991	37,379	31,156	10,863	12,923	19,391
Solar									
Total	101,064,948	76,857,334	77,936,775	80,885,507	81,772,129	83,918,558	87,425,313	88,293,846	89,207,239

Fuel Source	2009	2010	2011	2012	2013	2014	2015	2016	2017
Hydropwer	57,214,771	53,412,121	66,847,397	62,984,536	58,074,493	59,723,805	55,306,859	55,948,538	63,644,891
Coal	14,672,973	15,955,168	12,900,636	12,149,258	13,519,852	14,026,540	14,388,993	12,338,072	12,593,438
Cogeneration	1,867,355	1,731,728	1,319,055	486,609	1,126,515	926,691			
Natural Gas	9,979,345	10,476,257	5,684,223	6,952,877	10,823,275	9,515,792	11,807,835	10,055,032	10,181,880
Nuclear	3,653,541	5,430,617	2,390,245	4,239,398	4,247,504	4,617,391	4,021,955	4,307,607	3,941,745
Biomass	445,076	492,371	446,890	310,812	260,972	300,416	401,408	684,569	562,311
Petroleum	94,360	81,372	68,539	67,580	64,611	59,674	47,108	65,498	103,244
Waste	296,180	332,719	336,948	303,066	221,914	203,960	158,887	113,732	172,753
Geothermal	19,237	17,376	18,107	17,003	16,138	17,911	16,085		0
Landfill Gas	16,058	18,787	49,209	83,665	60,741	104,431	133,132	148,177	121,566
Wind	587,994	567,281	1,017,702	3,011,137	2,859,415	2,219,613	2,029,032	3,661,267	2,674,081
Other	28,650	28,504	27,307	36,396	39,528	59,964		48,095	36,678
Solar				1,433	1,709	6,618	8,807	3,491	3,071
Total	88,875,541	88,544,303	91,106,257	90,643,771	91,316,669	91,782,808	88,320,101	87,374,078	94,035,658

Washington State Electric Utilities: Primary Emissions

Figure 3: Washington State Electric Utilities - Aggregate CO2 Emissions by Fuel Type 2017

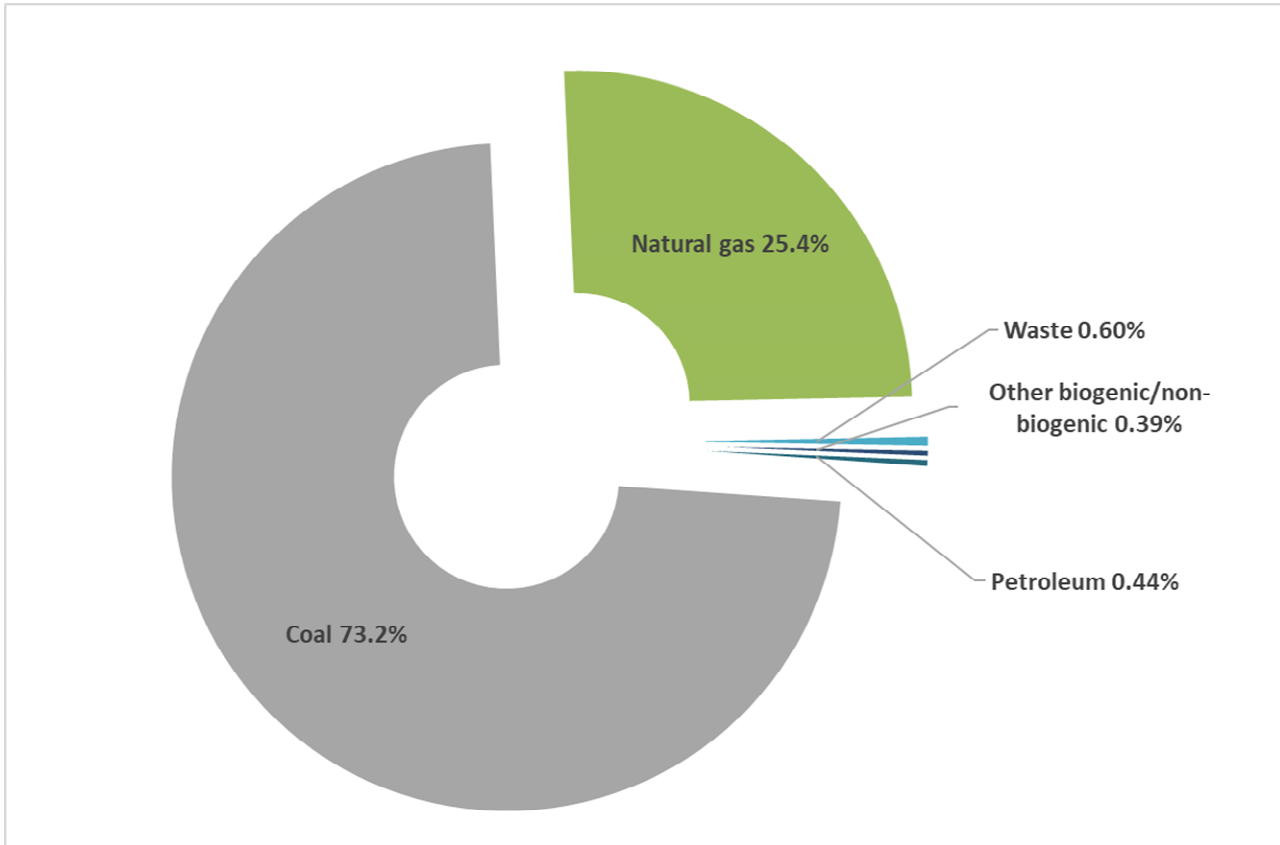


Table 3: Washington State Electric Utilities: Aggregate Primary Emissions 2017

Carbon Dioxide Emissions	Short tons	Metric Tons
Coal	13,222,813	11,996,201
Natural gas	4,585,970	4,160,554
Waste	108,873	98,773
Other biogenic/non-biogenic	69,961	63,471
Landfill gas	74,856	67,912
Petroleum	79,179	71,834
Total	18,141,652	16,458,745
Other Emissions	Short tons	Metric Tons
Sulfur Dioxide	31,295	28,392
Nitrogen Oxides	27,525	24,971
	Pounds	Kilograms
Mercury	298	135

Figure 4: Washington State Electric Utilities: Aggregate Primary Emissions 2005-2017 (short tons)

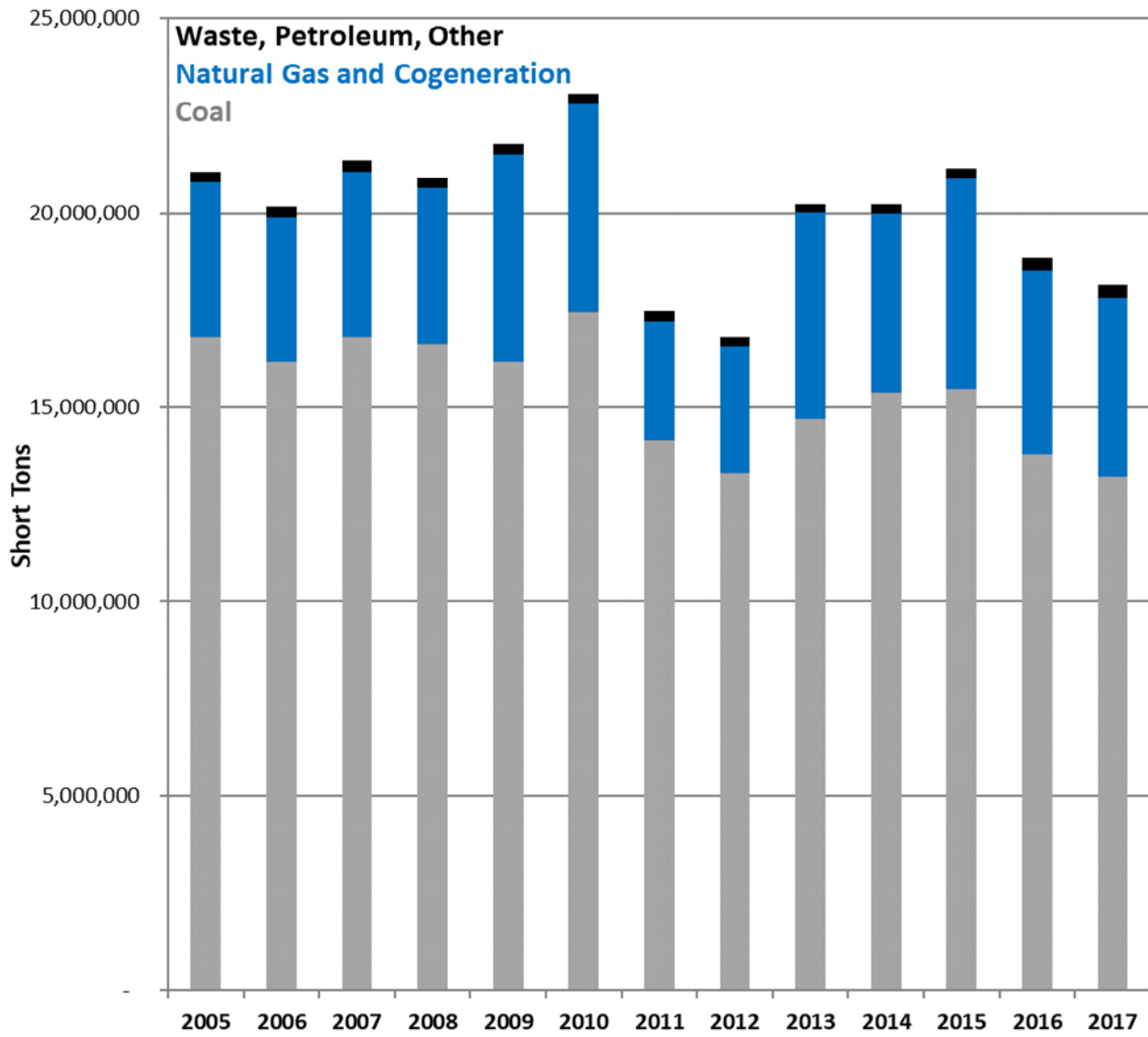


Table 4a: Washington State Electric Utilities: Aggregate Carbon Dioxide Emissions Time Series 2006-2017 (short tons)

Fuel	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Coal	16,801,894	16,192,193	16,807,612	16,623,196	16,184,895	17,446,655	14,131,168	13,315,348	14,707,901	15,388,817	15,468,167	13,786,065	13,222,813
Natural Gas	3,983,081	3,690,128	4,231,567	3,999,440	5,294,879	5,332,433	3,081,956	3,246,821	5,306,865	4,585,795	5,416,550	4,713,692	4,585,970
Waste	235,470	132,414	133,872	122,435	128,390	139,575	146,863	101,208	80,093	104,993	109,880	109,384	108,873
Petroleum	40,411	93,863	105,428	111,529	133,445	120,419	76,738	75,656	74,618	66,775	79,656	66,325	79,179
Landfill Gases	-	33,923	28,215	14,342	10,016	10,694	33,894	57,696	43,376	75,498	73,299	67,161	74,856
Other	-	3,631	4,959	-	-	-	-	-	-	-	-	102,173	69,961
Total	21,060,856	20,146,152	21,311,653	20,870,942	21,751,625	23,049,776	17,470,620	16,796,730	20,212,854	20,221,878	21,147,553	18,844,800	18,141,652

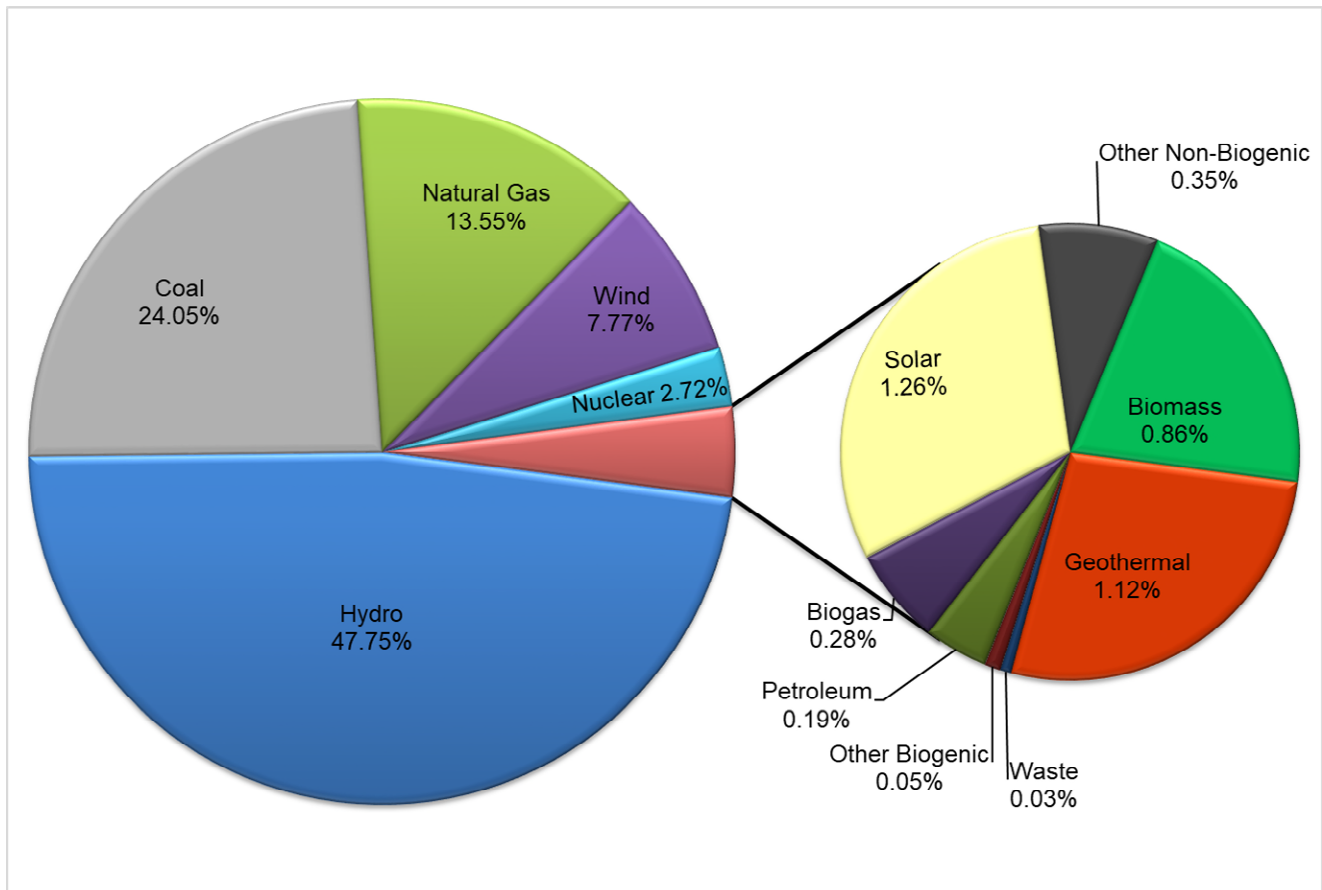
Table 4b: Washington State Electric Utilities: Aggregate Carbon Dioxide Emissions Time Series 2006-2017 (metric tons)

Fuel	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Coal	15,242,409	14,689,298	15,247,597	15,080,297	14,682,678	15,827,326	12,819,569	12,079,471	13,342,773	13,960,488	14,032,474	12,506,498	11,995,524
Natural Gas	3,613,387	3,347,625	3,838,810	3,628,228	4,803,430	4,837,498	2,795,902	2,945,464	4,814,303	4,160,160	4,913,807	4,276,186	4,160,319
Waste	213,615	120,124	121,447	111,071	116,473	126,620	133,232	91,814	72,659	95,248	99,681	99,231	98,768
Petroleum	36,660	85,151	95,643	101,177	121,059	109,242	69,616	68,634	67,692	60,577	72,263	60,169	71,830
Landfill Gases	-	30,774	25,596	13,011	9,086	9,701	30,748	52,341	39,350	68,490	66,496	60,927	67,908
Other	-	3,294	4,499	-	-	-	-	-	-	-	-	92,690	63,467
Total	19,108,077	18,276,267	19,333,591	18,933,785	19,732,726	20,910,388	15,849,067	15,237,724	18,336,778	18,344,964	19,184,722	17,095,701	16,457,817

Northwest Power Pool Fuel Mix and Net System Fuel Mix

Figure 5 and Table 5 show the mix of generation resources for the NWPP in 2017. Once Commerce removes all Oregon and Washington utilities' specified claims, and unclaimed renewables,² the result is the net system fuel mix of the NWPP, which is in Table 6.

Figure 5: Northwest Power Pool Generation 2017



² Certain residual renewables power resources (solar, wind, landfill gas and geothermal) are removed from the Net System Mix. These resources are used for Renewable Portfolio Standard compliance by other states in the NWPP region and California. There is also an adjustment for "dedicated" BPA generation resources, which are used outside of Washington and Oregon.

Table 5: 2017 Northwest Power Total Generation³

Fuel Category	Net Generation MWh	Fuel Category Share
Hydro	142,544,342	47.75%
Coal	71,801,961	24.05%
Natural Gas	40,460,519	13.55%
Wind	23,206,247	7.77%
Nuclear	8,128,259	2.72%
Geothermal	3,353,351	1.12%
Waste	96,938	0.03%
Other Biogenic	139,323	0.05%
Petroleum	558,453	0.19%
Biogas	836,412	0.28%
Solar	3,763,601	1.26%
Other Non-Biogenic	1,044,295	0.35%
Biomass	2,580,195	0.86%
Total	298,513,896	100.00%

Table 6: Northwest Power Pool Net System Power Fuel Mix 2017

Fuel Type	Net Generation, MWh	Fuel Category Share
Hydro	50,126,914	49.4%
Coal	25,893,621	25.5%
Natural Gas	19,778,210	19.5%
Nuclear	2,241,797	2.2%
Biomass	1,927,628	1.9%
Other Non-Biogenic	1,031,283	1.0%
Petroleum	494,907	0.5%
Waste	31,759	0.0%
Biogas	-	0.0%
Geothermal	-	0.0%
Other Biogenic	-	0.0%
Solar	-	0.0%
Wind	-	0.0%
Total	101,526,119	100.0%

³ Net power plant generation is used in the WA fuel mix disclosure process. Some entities report power as gross generation, which does not include power plant parasitic losses. As noted on page 3 some resources were removed from the NWPP total.

Figure 6: Northwest Power Pool Net System Fuel Mix: Carbon Dioxide Emissions 2016

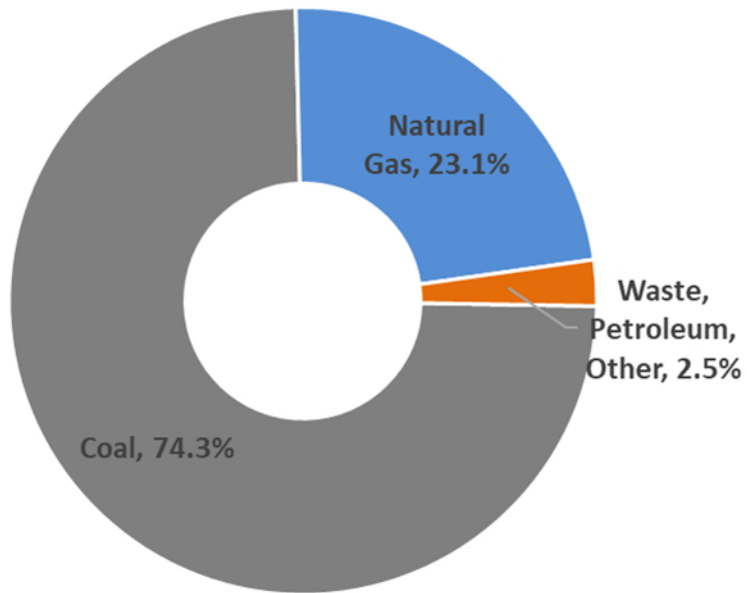


Table 7: Northwest Power Pool Net System Fuel Mix: Primary Emissions 2017

Carbon Dioxide Emissions	Short Tons	Metric Tons
Coal	28,950,389	26,264,812
Natural Gas	9,011,455	8,175,509
Waste, Petroleum, Other	987,294	895,708
Total	38,949,138	35,336,029
Other Emissions	Short Tons	Metric Tons
Sulfur Dioxide	66,800	60,603
Nitrogen Oxides	61,330	55,641
	Pounds	Kilograms
Mercury	512	232

Alder Mutual Light

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	4	4
Coal	0.63 %	0	33	33
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	4,614	110	4,724
Natural Gas	0.82 %	0	43	43
Nuclear	8.87 %	463	5	468
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	2	2
Petroleum	0.03 %	0	1	1
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	5,077	198	5,275

BPA Claims

Fuel	MWh
Hydro	4,614
Nuclear	463
SubTotal	5,077
BPA Market Purchase	198
BPA Total	5,275

Asotin County PUD #1

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	4	4
Coal	0.63 %	0	31	31
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	4,259	101	4,360
Natural Gas	0.82 %	0	40	40
Nuclear	8.87 %	428	4	432
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	2	2
Petroleum	0.03 %	0	1	1
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	4,687	183	4,870

BPA Claims

Fuel	MWh
Hydro	4,259
Nuclear	428
SubTotal	4,687
BPA Market Purchase	183
BPA Total	4,870

Avangrid (WA)

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.10 %	0	34	34
Coal	0.83 %	0	272	272
Geothermal	0.00 %	0	0	0
Hydro	74.29 %	23,522	901	24,423
Natural Gas	1.07 %	0	353	353
Nuclear	0.12 %	0	40	40
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.06 %	0	19	19
Petroleum	0.04 %	0	12	12
Solar	3.03 %	995	0	995
Waste	0.00 %	0	0	0
Wind	20.46 %	6,725	0	6,725
Total	100.00 %	31,242	1,631	32,873

Market Purchases

Type	MWh
Utility Market Purchase	1,631
Total	1,631

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Big Horn Wind II	Wind	57	57
Big Horn Wind Project	Wind	19	19
Gala Solar	Solar	290	290
Klamath Solar	Solar	705	705
Klondike Windpower II	Wind	6,620	6,620
Klondike Windpower III	Wind	23	23
Leaning Juniper Wind Power II	Wind	7	7
Priest Rapids	Water	10,091	10,091
Wanapum	Water	13,431	13,431
Total		31,243	31,243

Avista (WA)

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	2.95 %	181,667	0	181,667
Coal	14.31 %	882,430	0	882,430
Geothermal	0.00 %	0	0	0
Hydro	47.28 %	2,916,871	0	2,916,871
Natural Gas	31.09 %	1,917,542	0	1,917,542
Nuclear	0.00 %	0	0	0
Other Biogenic	0.59 %	36,672	0	36,672
Other Non-Biogenic	0.00 %	0	0	0
Petroleum	0.01 %	799	0	799
Solar	0.00 %	0	0	0
Waste	0.57 %	35,234	0	35,234
Wind	3.20 %	197,440	0	197,440
Total	100.00 %	6,168,655	0	6,168,655

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Boulder Park	Natural Gas	16,536	16,536
Cabinet Gorge	Water	600,102	600,102
Colstrip	Subbituminous Coal	882,430	
	Distillate Fuel Oil	414	
	Waste/Other Oil	385	
	Gaseous Propane	0	883,229
Coyote Springs II	Natural Gas	1,029,497	1,029,497
Kettle Falls Generating Station	Wood/Wood Waste Solids	160,673	
	Natural Gas	3,137	163,811
Little Falls (WA)	Water	113,821	113,821
Long Lake	Water	315,447	315,447
Meyers Falls	Water	6,846	6,846
Monroe Street	Water	53,899	53,899
Nine Mile	Water	64,576	64,576
Northeast (WA)	Natural Gas	242	242
Noxon Rapids	Water	1,053,694	1,053,694
Palouse	Wind	197,440	197,440
Plummer Cogen	Wood/Wood Waste Solids	20,994	20,994
Post Falls	Water	44,674	44,674
Priest Rapids	Water	213,302	213,302
Rathdrum	Natural Gas	44,518	44,518
Rathdrum Power LLC	Natural Gas	823,612	823,612
Rocky Reach	Water	274,627	274,627
Sheep Creek Hydro	Water	4,984	4,984
Spokane Waste to Energy	Non-biogenic Municipal Solid Waste	35,234	
	Biogenic Municipal Solid Waste	36,672	71,906
Upper Falls	Water	38,619	38,619

Upriver Dam Hydro Plant	Water	29,210	29,210
Wells	Water	103,070	103,070
Total		6,168,655	6,168,656

Benton County PUD #1

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.87 %	16,050	0	16,050
Biomass	0.10 %	0	1,762	1,762
Coal	0.75 %	0	13,943	13,943
Geothermal	0.00 %	0	0	0
Hydro	82.17 %	1,471,697	46,221	1,517,917
Natural Gas	1.38 %	7,441	18,106	25,547
Nuclear	8.03 %	146,371	2,049	148,421
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.05 %	0	951	951
Petroleum	0.03 %	0	603	603
Solar	0.00 %	19	0	19
Waste	0.00 %	0	0	0
Wind	6.62 %	122,325	0	122,325
Total	100.00 %	1,763,903	83,635	1,847,538

BPA Claims

Fuel	MWh
Hydro	1,457,773
Natural Gas	99
Nuclear	146,371
SubTotal	1,604,243
BPA Market Purchase	62,633
BPA Total	1,666,876

Market Purchases

Type	MWh
Utility Market Purchase	21,003
Total	21,003

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Condon Windpower LLC	Wind	2,474	2,474
FPL Energy Vansycle LLC (WA)	Wind	5,096	5,096
Frederickson Power LP	Natural Gas	7,342	7,342
Hopkins Ridge Wind	Wind	53,409	53,409
Klondike Wind Power	Wind	1,253	1,253
Klondike Windpower III	Wind	3,231	3,231
LRI LFGTE Facility	Landfill Gas	16,050	16,050
Packwood	Water	13,924	13,924
Wild Horse	Solar	19	
	Wind	24,112	24,131
Yahoo Creek	Wind	32,750	32,750
Total		159,660	159,660

Benton Rural Electric Assn

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.24 %	0	1,383	1,383
Coal	1.90 %	0	10,941	10,941
Geothermal	0.00 %	0	0	0
Hydro	86.82 %	463,453	36,270	499,723
Natural Gas	2.47 %	32	14,208	14,240
Nuclear	8.36 %	46,534	1,608	48,142
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.13 %	0	746	746
Petroleum	0.08 %	0	473	473
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	510,019	65,629	575,648

BPA Claims

Fuel	MWh
Hydro	463,453
Natural Gas	32
Nuclear	46,534
SubTotal	510,019
BPA Market Purchase	19,912
BPA Total	529,931

Market Purchases

Type	MWh
Utility Market Purchase	45,716
Total	45,716

Big Bend Electric Coop

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.10 %	0	532	532
Coal	0.75 %	0	4,208	4,208
Geothermal	0.00 %	0	0	0
Hydro	89.27 %	484,666	13,950	498,616
Natural Gas	0.98 %	33	5,464	5,498
Nuclear	8.82 %	48,664	619	49,283
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.05 %	0	287	287
Petroleum	0.03 %	0	182	182
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	533,363	25,242	558,606

BPA Claims

Fuel	MWh
Hydro	484,666
Natural Gas	33
Nuclear	48,664
SubTotal	533,363
BPA Market Purchase	20,824
BPA Total	554,187

Market Purchases

Type	MWh
Utility Market Purchase	4,418
Total	4,418

Centralia City Light

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.07 %	0	198	198
Coal	0.56 %	0	1,563	1,563
Geothermal	0.00 %	0	0	0
Hydro	92.49 %	252,548	5,182	257,730
Natural Gas	0.73 %	11	2,030	2,041
Nuclear	6.09 %	16,749	230	16,979
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	107	107
Petroleum	0.02 %	0	68	68
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	269,308	9,378	278,686

BPA Claims

Fuel	MWh
Hydro	166,815
Natural Gas	11
Nuclear	16,749
SubTotal	183,575
BPA Market Purchase	7,169
BPA Total	190,744

Market Purchases

Type	MWh
Utility Market Purchase	2,209
Total	2,209

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Yelm	Water	85,733	85,733
Total		85,733	85,733

Chelan County PUD #1

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.07 %	0	1,190	1,190
Coal	0.53 %	0	9,417	9,417
Geothermal	0.00 %	0	0	0
Hydro	98.46 %	1,732,692	31,215	1,763,907
Natural Gas	0.68 %	0	12,228	12,228
Nuclear	0.08 %	0	1,384	1,384
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	642	642
Petroleum	0.09 %	1,144	407	1,551
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.05 %	928	0	928
Total	100.00 %	1,734,764	56,483	1,791,247

Market Purchases

Type	MWh
Utility Market Purchase	56,483
Total	56,483

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Chelan	Water	254,545	254,545
Nine Canyon	Wind	928	928
Rock Island	Water	282,198	282,198
Rocky Reach	Water	1,195,873	1,195,873
Stehekin Diesel	Distillate Fuel Oil	1,144	1,144
Stehekin Hydro	Water	76	76
Total		1,734,764	1,734,764

Cheney Light Department

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.20 %	0	291	291
Coal	1.61 %	0	2,300	2,300
Geothermal	0.00 %	0	0	0
Hydro	87.43 %	117,276	7,626	124,902
Natural Gas	2.10 %	8	2,987	2,995
Nuclear	8.48 %	11,775	338	12,114
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.11 %	0	157	157
Petroleum	0.07 %	0	99	99
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	129,059	13,798	142,858

BPA Claims

Fuel	MWh
Hydro	117,276
Natural Gas	8
Nuclear	11,775
SubTotal	129,059
BPA Market Purchase	5,038
BPA Total	134,097

Market Purchases

Type	MWh
Utility Market Purchase	8,760
Total	8,760

Chewelah Electric Department

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	18	18
Coal	0.63 %	0	141	141
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	19,638	466	20,105
Natural Gas	0.82 %	1	183	184
Nuclear	8.87 %	1,972	21	1,993
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	10	10
Petroleum	0.03 %	0	6	6
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	21,611	845	22,457

BPA Claims

Fuel	MWh
Hydro	19,638
Natural Gas	1
Nuclear	1,972
SubTotal	21,611
BPA Market Purchase	845
BPA Total	22,456

City of Blaine

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	66	66
Coal	0.63 %	0	522	522
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	72,806	1,729	74,535
Natural Gas	0.82 %	5	677	682
Nuclear	8.87 %	7,310	77	7,387
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	36	36
Petroleum	0.03 %	0	23	23
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	80,121	3,130	83,251

BPA Claims

Fuel	MWh
Hydro	72,806
Natural Gas	5
Nuclear	7,310
SubTotal	80,121
BPA Market Purchase	3,130
BPA Total	83,251

Clallam County PUD #1

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	540	540
Coal	0.62 %	0	4,273	4,273
Geothermal	0.00 %	0	0	0
Hydro	89.69 %	607,334	14,163	621,497
Natural Gas	0.81 %	41	5,548	5,589
Nuclear	8.73 %	59,892	628	60,520
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	291	291
Petroleum	0.03 %	0	185	185
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	667,267	25,628	692,895

BPA Claims

Fuel	MWh
Hydro	596,490
Natural Gas	41
Nuclear	59,892
SubTotal	656,423
BPA Market Purchase	25,628
BPA Total	682,051

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Distributed Generation--Hydro (WA)	Water	296	296
Packwood	Water	10,548	10,548
Total		10,844	10,844

Clark County PUD #1

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.27 %	0	13,078	13,078
Coal	2.13 %	0	103,479	103,479
Geothermal	0.00 %	0	0	0
Hydro	62.81 %	2,711,095	343,025	3,054,120
Natural Gas	28.68 %	1,259,802	134,373	1,394,175
Nuclear	5.87 %	270,373	15,210	285,582
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.15 %	0	7,059	7,059
Petroleum	0.09 %	0	4,473	4,473
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	4,241,270	620,697	4,861,966

BPA Claims

Fuel	MWh
Hydro	2,692,754
Natural Gas	184
Nuclear	270,373
SubTotal	2,963,311
BPA Market Purchase	115,695
BPA Total	3,079,006

Market Purchases

Type	MWh
Utility Market Purchase	505,002
Total	505,002

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Packwood	Water	18,341	18,341
River Road Gen Plant	Natural Gas	1,259,618	1,259,618
Total		1,277,959	1,277,959

Clearwater Power (WA)

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	17	17
Coal	0.63 %	0	135	135
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	18,803	446	19,249
Natural Gas	0.82 %	1	175	176
Nuclear	8.87 %	1,888	20	1,908
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	9	9
Petroleum	0.03 %	0	6	6
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	20,692	808	21,500

BPA Claims

Fuel	MWh
Hydro	18,803
Natural Gas	1
Nuclear	1,888
SubTotal	20,692
BPA Market Purchase	808
BPA Total	21,500

Columbia Rural Electric Assn (WA)

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	287	287
Coal	0.63 %	0	2,267	2,267
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	316,502	7,515	324,017
Natural Gas	0.82 %	22	2,944	2,965
Nuclear	8.87 %	31,779	333	32,112
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	155	155
Petroleum	0.03 %	0	98	98
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	348,303	13,599	361,901

BPA Claims

Fuel	MWh
Hydro	316,502
Natural Gas	22
Nuclear	31,779
SubTotal	348,303
BPA Market Purchase	13,599
BPA Total	361,902

Coulee Dam, Town of

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	14	14
Coal	0.63 %	0	113	113
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	15,759	374	16,133
Natural Gas	0.82 %	1	147	148
Nuclear	8.87 %	1,582	17	1,599
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	8	8
Petroleum	0.03 %	0	5	5
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	17,342	678	18,020

BPA Claims

Fuel	MWh
Hydro	15,759
Natural Gas	1
Nuclear	1,582
SubTotal	17,342
BPA Market Purchase	678
BPA Total	18,020

Cowlitz County PUD #1

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.19 %	0	9,467	9,467
Coal	1.54 %	0	74,910	74,910
Geothermal	0.00 %	0	0	0
Hydro	83.08 %	3,803,523	248,320	4,051,844
Natural Gas	2.00 %	246	97,274	97,520
Nuclear	7.65 %	362,258	11,010	373,268
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.10 %	0	5,110	5,110
Petroleum	0.07 %	0	3,238	3,238
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	5.37 %	261,908	0	261,908
Total	100.00 %	4,427,935	449,329	4,877,265

BPA Claims

Fuel	MWh
Hydro	3,607,876
Natural Gas	246
Nuclear	362,258
SubTotal	3,970,380
BPA Market Purchase	155,012
BPA Total	4,125,392

Market Purchases

Type	MWh
Utility Market Purchase	294,318
Total	294,318

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Cold Springs Windfarm	Wind	7,500	7,500
Condon Windpower LLC	Wind	8,151	8,151
Fossil Gulch	Wind	10,022	10,022
FPL Energy Vansycle LLC (WA)	Wind	31,351	31,351
Harvest Wind Project	Wind	2,254	2,254
Horse Butte Wind I, LLC	Wind	23,325	23,325
Klondike Wind Power	Wind	3,613	3,613
Klondike Windpower III	Wind	9,296	9,296
Meadow Creek Project Company	Wind	11,653	11,653
Nine Canyon	Wind	9,587	9,587
Priest Rapids	Water	11,136	11,136
Swift 2	Water	184,511	184,511
White Creek Wind Farm	Wind	145,156	145,156
Total		457,555	457,555

Douglas County PUD #1

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.00 %	0	0	0
Coal	0.00 %	0	0	0
Geothermal	0.00 %	0	0	0
Hydro	100.00 %	948,083	0	948,083
Natural Gas	0.00 %	0	0	0
Nuclear	0.00 %	0	0	0
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.00 %	0	0	0
Petroleum	0.00 %	0	0	0
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	948,083	0	948,083

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Rocky Reach	Water	198,250	198,250
Wells	Water	749,833	749,833
Total		948,083	948,083

Eatonville Electric Department

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	23	23
Coal	0.63 %	0	183	183
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	25,611	608	26,219
Natural Gas	0.82 %	2	238	240
Nuclear	8.87 %	2,572	27	2,599
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	13	13
Petroleum	0.03 %	0	8	8
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	28,185	1,100	29,285

BPA Claims

Fuel	MWh
Hydro	25,611
Natural Gas	2
Nuclear	2,572
SubTotal	28,185
BPA Market Purchase	1,100
BPA Total	29,285

Ellensburg Electric Division

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	173	173
Coal	0.63 %	0	1,370	1,370
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	191,278	4,542	195,820
Natural Gas	0.82 %	13	1,779	1,792
Nuclear	8.87 %	19,206	201	19,407
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	93	93
Petroleum	0.03 %	0	59	59
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	210,497	8,217	218,714

BPA Claims

Fuel	MWh
Hydro	191,278
Natural Gas	13
Nuclear	19,206
SubTotal	210,497
BPA Market Purchase	8,217
BPA Total	218,714

Elmhurst Mutual Power & Light

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	230	230
Coal	0.63 %	0	1,818	1,818
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	253,802	6,026	259,828
Natural Gas	0.82 %	17	2,361	2,378
Nuclear	8.87 %	25,484	267	25,751
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	124	124
Petroleum	0.03 %	0	79	79
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	279,303	10,905	290,208

BPA Claims

Fuel	MWh
Hydro	253,802
Natural Gas	17
Nuclear	25,484
SubTotal	279,303
BPA Market Purchase	10,905
BPA Total	290,208

Ferry County PUD #1

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	74	74
Coal	0.63 %	0	582	582
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	81,193	1,928	83,121
Natural Gas	0.82 %	6	755	761
Nuclear	8.87 %	8,152	85	8,238
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	40	40
Petroleum	0.03 %	0	25	25
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	89,351	3,489	92,841

BPA Claims

Fuel	MWh
Hydro	81,193
Natural Gas	6
Nuclear	8,152
SubTotal	89,351
BPA Market Purchase	3,489
BPA Total	92,840

Franklin County PUD #1

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.10 %	0	1,102	1,102
Coal	0.80 %	0	8,720	8,720
Geothermal	0.00 %	0	0	0
Hydro	84.89 %	901,159	28,905	930,064
Natural Gas	5.26 %	46,348	11,323	57,671
Nuclear	8.22 %	88,821	1,282	90,103
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.05 %	0	595	595
Petroleum	0.03 %	0	377	377
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.65 %	7,075	0	7,075
Total	100.00 %	1,043,403	52,304	1,095,707

BPA Claims

Fuel	MWh
Hydro	884,604
Natural Gas	60
Nuclear	88,821
SubTotal	973,485
BPA Market Purchase	38,006
BPA Total	1,011,491

Market Purchases

Type	MWh
Utility Market Purchase	14,296
Total	14,296

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Distributed Generation--Hydro (WA)	Water	5,773	5,773
Frederickson Power LP	Natural Gas	46,288	46,288
Nine Canyon	Wind	7,075	7,075
Packwood	Water	10,782	10,782
Total		69,918	69,918

Grant County PUD #2

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	1.32 %	0	67,021	67,021
Coal	10.48 %	0	530,297	530,297
Geothermal	0.00 %	0	0	0
Hydro	71.22 %	1,846,782	1,757,902	3,604,684
Natural Gas	13.60 %	3	688,621	688,623
Nuclear	1.63 %	4,344	77,944	82,288
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.71 %	0	36,174	36,174
Petroleum	0.45 %	0	22,922	22,922
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.59 %	29,726	0	29,726
Total	100.00 %	1,880,855	3,180,881	5,061,735

BPA Claims

Fuel	MWh
Hydro	43,261
Natural Gas	3
Nuclear	4,344
SubTotal	47,608
BPA Market Purchase	1,858
BPA Total	49,466

Market Purchases

Type	MWh
Utility Market Purchase	3,179,022
Total	3,179,022

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Nine Canyon	Wind	29,726	29,726
PEC Headworks	Water	14,916	14,916
Priest Rapids	Water	810,944	810,944
Quincy Chute	Water	29,671	29,671
Wanapum	Water	947,990	947,990
Total		1,833,247	1,833,247

Grays Harbor County PUD #1

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	4.79 %	46,200	739	46,939
Coal	0.60 %	0	5,846	5,846
Geothermal	0.00 %	0	0	0
Hydro	85.31 %	816,206	19,380	835,586
Natural Gas	0.78 %	56	7,592	7,648
Nuclear	8.45 %	81,953	859	82,813
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	399	399
Petroleum	0.03 %	0	253	253
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	944,415	35,068	979,484

BPA Claims

Fuel	MWh
Hydro	816,206
Natural Gas	56
Nuclear	81,953
SubTotal	898,215
BPA Market Purchase	35,068
BPA Total	933,283

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Sierra Pacific Aberdeen	Wood/Wood Waste Solids	46,200	46,200
Total		46,200	46,200

Inland Power & Light

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	762	762
Coal	0.63 %	0	6,027	6,027
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	841,397	19,978	861,376
Natural Gas	0.82 %	57	7,826	7,884
Nuclear	8.87 %	84,483	886	85,368
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	411	411
Petroleum	0.03 %	0	261	261
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	925,937	36,151	962,089

BPA Claims

Fuel	MWh
Hydro	841,397
Natural Gas	57
Nuclear	84,483
SubTotal	925,937
BPA Market Purchase	36,151
BPA Total	962,088

Jefferson County PUD #1

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	314	314
Coal	0.63 %	0	2,488	2,488
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	347,366	8,248	355,614
Natural Gas	0.82 %	24	3,231	3,255
Nuclear	8.87 %	34,878	366	35,244
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	170	170
Petroleum	0.03 %	0	108	108
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	382,268	14,925	397,193

BPA Claims

Fuel	MWh
Hydro	347,366
Natural Gas	24
Nuclear	34,878
SubTotal	382,268
BPA Market Purchase	14,925
BPA Total	397,193

Kittitas County PUD #1

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	90	90
Coal	0.63 %	0	712	712
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	99,361	2,359	101,720
Natural Gas	0.82 %	7	924	931
Nuclear	8.87 %	9,977	105	10,081
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	49	49
Petroleum	0.03 %	0	31	31
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	109,345	4,270	113,614

BPA Claims

Fuel	MWh
Hydro	99,361
Natural Gas	7
Nuclear	9,977
SubTotal	109,345
BPA Market Purchase	4,270
BPA Total	113,615

Klickitat County PUD #1

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.36 %	0	1,392	1,392
Coal	2.84 %	0	11,010	11,010
Geothermal	0.00 %	0	0	0
Hydro	85.68 %	295,421	36,499	331,920
Natural Gas	3.70 %	18	14,298	14,315
Nuclear	7.11 %	25,908	1,618	27,527
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.19 %	0	751	751
Petroleum	0.12 %	0	476	476
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	321,347	66,044	387,391

BPA Claims

Fuel	MWh
Hydro	258,032
Natural Gas	18
Nuclear	25,908
SubTotal	283,958
BPA Market Purchase	11,087
BPA Total	295,045

Market Purchases

Type	MWh
Utility Market Purchase	54,957
Total	54,957

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
McNary Dam Fish Attraction Project	Water	34,361	34,361
Packwood	Water	3,028	3,028
Total		37,389	37,389

Kootenai Electric Coop

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	2	2
Coal	0.62 %	0	19	19
Geothermal	0.00 %	0	0	0
Hydro	89.54 %	2,624	62	2,686
Natural Gas	0.82 %	0	24	24
Nuclear	8.87 %	263	3	266
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	1	1
Petroleum	0.03 %	0	1	1
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	2,887	112	2,999

BPA Claims

Fuel	MWh
Hydro	2,624
Nuclear	263
SubTotal	2,887
BPA Market Purchase	112
BPA Total	2,999

Lakeview Light & Power

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	215	215
Coal	0.63 %	0	1,700	1,700
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	237,299	5,635	242,934
Natural Gas	0.82 %	16	2,207	2,223
Nuclear	8.87 %	23,827	250	24,076
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	116	116
Petroleum	0.03 %	0	73	73
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	261,142	10,196	271,337

BPA Claims

Fuel	MWh
Hydro	237,299
Natural Gas	16
Nuclear	23,827
SubTotal	261,142
BPA Market Purchase	10,196
BPA Total	271,338

Lewis County PUD #1

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.18 %	0	1,762	1,762
Coal	1.44 %	0	13,945	13,945
Geothermal	0.00 %	0	0	0
Hydro	87.39 %	802,207	46,227	848,435
Natural Gas	1.87 %	54	18,109	18,162
Nuclear	8.38 %	79,296	2,050	81,345
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.10 %	0	951	951
Petroleum	0.06 %	0	603	603
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.58 %	5,607	0	5,607
Total	100.00 %	887,164	83,647	970,810

BPA Claims

Fuel	MWh
Hydro	789,739
Natural Gas	54
Nuclear	79,296
SubTotal	869,089
BPA Market Purchase	33,932
BPA Total	903,021

Market Purchases

Type	MWh
Utility Market Purchase	49,715
Total	49,715

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Burton Creek Hydro	Water	1,454	1,454
Mill Creek	Water	90	90
Nine Canyon	Wind	5,607	5,607
Packwood	Water	10,924	10,924
Total		18,075	18,075

Mason County PUD #1

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.23 %	0	192	192
Coal	1.84 %	0	1,523	1,523
Geothermal	0.00 %	0	0	0
Hydro	86.93 %	66,837	5,049	71,886
Natural Gas	2.40 %	5	1,978	1,982
Nuclear	8.39 %	6,711	224	6,935
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.13 %	0	104	104
Petroleum	0.08 %	0	66	66
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	73,553	9,136	82,688

BPA Claims

Fuel	MWh
Hydro	66,837
Natural Gas	5
Nuclear	6,711
SubTotal	73,553
BPA Market Purchase	2,873
BPA Total	76,426

Market Purchases

Type	MWh
Utility Market Purchase	6,264
Total	6,264

Mason County PUD #3

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.07 %	0	473	473
Coal	0.58 %	0	3,744	3,744
Geothermal	0.00 %	0	0	0
Hydro	82.40 %	522,744	12,412	535,157
Natural Gas	0.75 %	36	4,862	4,898
Nuclear	8.17 %	52,487	550	53,038
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	255	255
Petroleum	0.02 %	0	162	162
Solar	0.03 %	196	0	196
Waste	0.00 %	0	0	0
Wind	7.94 %	51,575	0	51,575
Total	100.00 %	627,038	22,458	649,498

BPA Claims

Fuel	MWh
Hydro	522,744
Natural Gas	36
Nuclear	52,487
SubTotal	575,267
BPA Market Purchase	22,458
BPA Total	597,725

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Condon Windpower LLC	Wind	986	986
Distributed Generation--Solar (WA)	Solar	196	196
FPL Energy Vansycle LLC (WA)	Wind	2,021	2,021
Klondike Wind Power	Wind	496	496
Klondike Windpower III	Wind	1,276	1,276
Nine Canyon	Wind	6,695	6,695
White Creek Wind Farm	Wind	40,101	40,101
Total		51,771	51,771

McCleary Light & Power

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	27	27
Coal	0.63 %	0	214	214
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	29,883	710	30,593
Natural Gas	0.82 %	2	278	280
Nuclear	8.87 %	3,000	31	3,032
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	15	15
Petroleum	0.03 %	0	9	9
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	32,885	1,284	34,170

BPA Claims

Fuel	MWh
Hydro	29,883
Natural Gas	2
Nuclear	3,000
SubTotal	32,885
BPA Market Purchase	1,284
BPA Total	34,169

Milton Electric Division

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	49	49
Coal	0.63 %	0	385	385
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	53,764	1,277	55,041
Natural Gas	0.82 %	4	500	504
Nuclear	8.87 %	5,398	57	5,455
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	26	26
Petroleum	0.03 %	0	17	17
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	59,166	2,311	61,477

BPA Claims

Fuel	MWh
Hydro	53,764
Natural Gas	4
Nuclear	5,398
SubTotal	59,166
BPA Market Purchase	2,311
BPA Total	61,477

Modern Electric Water Company

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	190	190
Coal	0.63 %	0	1,504	1,504
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	210,007	4,986	214,993
Natural Gas	0.82 %	14	1,953	1,968
Nuclear	8.87 %	21,086	221	21,307
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	103	103
Petroleum	0.03 %	0	65	65
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	231,107	9,022	240,130

BPA Claims

Fuel	MWh
Hydro	210,007
Natural Gas	14
Nuclear	21,086
SubTotal	231,107
BPA Market Purchase	9,022
BPA Total	240,129

Nespelem Valley Elec Coop

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	54	54
Coal	0.63 %	0	427	427
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	59,683	1,417	61,100
Natural Gas	0.82 %	4	555	559
Nuclear	8.87 %	5,993	63	6,055
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	29	29
Petroleum	0.03 %	0	18	18
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	65,680	2,563	68,242

BPA Claims

Fuel	MWh
Hydro	59,683
Natural Gas	4
Nuclear	5,993
SubTotal	65,680
BPA Market Purchase	2,563
BPA Total	68,243

Northern Lights (WA)

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.07 %	0	0	0
Coal	0.58 %	0	1	1
Geothermal	0.00 %	0	0	0
Hydro	90.38 %	11	2	113
Natural Gas	0.75 %	1 0	1	1
Nuclear	8.16 %	10	0	10
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	0	0
Petroleum	0.02 %	0	0	0
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	121	4	125

BPA Claims

Fuel	MWh
Hydro	101
Nuclear	10
SubTotal	11
BPA Market Purchase	1 4
BPA Total	115

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Lake Creek	Water	10	10
Total		10	10

Ohop Mutual Light

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	72	72
Coal	0.63 %	0	573	573
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	80,034	1,900	81,935
Natural Gas	0.82 %	5	744	750
Nuclear	8.87 %	8,036	84	8,120
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	39	39
Petroleum	0.03 %	0	25	25
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	88,075	3,437	91,514

BPA Claims

Fuel	MWh
Hydro	80,034
Natural Gas	5
Nuclear	8,036
SubTotal	88,075
BPA Market Purchase	3,437
BPA Total	91,512

Okanogan County Electric Coop

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.09 %	0	57	57
Coal	0.68 %	0	451	451
Geothermal	0.00 %	0	0	0
Hydro	89.41 %	57,698	1,496	59,194
Natural Gas	0.89 %	4	586	590
Nuclear	8.85 %	5,793	66	5,860
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.05 %	0	31	31
Petroleum	0.03 %	0	20	20
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	63,495	2,707	66,203

BPA Claims

Fuel	MWh
Hydro	57,698
Natural Gas	4
Nuclear	5,793
SubTotal	63,495
BPA Market Purchase	2,479
BPA Total	65,974

Market Purchases

Type	MWh
Utility Market Purchase	229
Total	229

Okanogan County PUD #1

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.21 %	0	1,379	1,379
Coal	1.64 %	0	10,910	10,910
Geothermal	0.00 %	0	0	0
Hydro	90.40 %	564,033	36,166	600,199
Natural Gas	2.14 %	23	14,167	14,191
Nuclear	5.43 %	34,473	1,604	36,077
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.11 %	0	744	744
Petroleum	0.07 %	0	472	472
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	598,529	65,442	663,972

BPA Claims

Fuel	MWh
Hydro	343,331
Natural Gas	23
Nuclear	34,473
SubTotal	377,827
BPA Market Purchase	14,750
BPA Total	392,577

Market Purchases

Type	MWh
Utility Market Purchase	50,690
Total	50,690

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Wells	Water	220,702	220,702
Total		220,702	220,702

Orcas Power & Light Coop

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	192	192
Coal	0.66 %	0	1,521	1,521
Geothermal	0.00 %	0	0	0
Hydro	89.46 %	200,770	5,041	205,810
Natural Gas	0.86 %	14	1,975	1,988
Nuclear	8.86 %	20,159	224	20,382
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.05 %	0	104	104
Petroleum	0.03 %	0	66	66
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	220,943	9,123	230,063

BPA Claims

Fuel	MWh
Hydro	200,770
Natural Gas	14
Nuclear	20,159
SubTotal	220,943
BPA Market Purchase	8,625
BPA Total	229,568

Market Purchases

Type	MWh
Utility Market Purchase	496
Total	496

Pacific County PUD #2

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.24 %	0	779	779
Coal	1.89 %	0	6,167	6,167
Geothermal	0.00 %	0	0	0
Hydro	86.82 %	262,193	20,442	282,634
Natural Gas	2.47 %	18	8,008	8,026
Nuclear	8.37 %	26,326	906	27,232
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.13 %	0	421	421
Petroleum	0.08 %	0	267	267
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	288,537	36,990	325,526

BPA Claims

Fuel	MWh
Hydro	262,193
Natural Gas	18
Nuclear	26,326
SubTotal	288,537
BPA Market Purchase	11,265
BPA Total	299,802

Market Purchases

Type	MWh
Utility Market Purchase	25,724
Total	25,724

Pacific Power (WA)

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.39 %	0	17,751	17,751
Coal	47.50 %	2,049,275	140,451	2,189,726
Geothermal	0.00 %	0	0	0
Hydro	30.43 %	937,160	465,585	1,402,745
Natural Gas	16.48 %	577,540	182,383	759,923
Nuclear	0.74 %	13,478	20,644	34,122
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.21 %	0	9,581	9,581
Petroleum	0.18 %	2,218	6,071	8,288
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	4.07 %	187,720	0	187,720
Total	100.00 %	3,767,391	842,466	4,609,856

BPA Claims

Fuel	MWh
Hydro	134,237
Natural Gas	9
Nuclear	13,478
SubTotal	147,724
BPA Market Purchase	5,769
BPA Total	153,493

Market Purchases

Type	MWh
Utility Market Purchase	836,695
Total	836,695

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Bend	Water	506	506
Campbell Hill Windpower	Wind	25,187	25,187
Chehalis Generating Facility	Natural Gas	375,482	
	Distillate Fuel Oil	0	375,482
Clearwater 1	Water	10,887	10,887
Clearwater 2	Water	14,927	14,927
Colstrip Energy LP	Waste/Other Coal	122,436	
	Subbituminous Coal	0	
	Distillate Fuel Oil	320	122,756
Copco 1	Water	23,745	23,745
Copco 2	Water	30,483	30,483
Dunlap	Wind	25,412	25,412
Eagle Point	Water	4,050	4,050
Fall Creek	Water	1,735	1,735
Fish Creek	Water	9,325	9,325
Glenrock	Wind	21,686	21,686
Goodnoe Hills	Wind	15,513	15,513
Hermiston Generating Plant	Natural Gas	202,049	202,049
Iron Gate	Water	23,994	23,994
Jim Bridger	Subbituminous Coal	1,926,840	
	Distillate Fuel Oil	1,897	1,928,737
John C Boyle	Water	69,667	69,667
Leaning Juniper	Wind	12,585	12,585
Lemolo 1	Water	36,075	36,075
Lemolo 2	Water	44,068	44,068

Marengo Wind Plant	Wind	37,903	37,903
Merwin	Water	138,788	138,788
Priest Rapids	Water	9,598	9,598
Prospect 1	Water	4,652	4,652
Prospect 2	Water	55,878	55,878
Prospect 3	Water	8,989	8,989
Prospect 4	Water	1,014	1,014
Slide Creek	Water	17,424	17,424
Soda Springs	Water	13,308	13,308
Swift 1	Water	76,635	76,635
Toketee Falls	Water	56,259	56,259
Top of the World Windpower Project	Wind	49,434	49,434
Wallowa Falls	Water	1,023	1,023
Wanapum	Water	10,361	10,361
Wells	Water	52,430	52,430
West Side	Water	0	0
Yale	Water	87,102	87,102
Total		3,619,667	3,619,667

Parkland Light & Water

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	96	96
Coal	0.63 %	0	759	759
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	105,895	2,514	108,410
Natural Gas	0.82 %	7	985	992
Nuclear	8.87 %	10,633	11	10,744
Other Biogenic	0.00 %	0	10	0
Other Non-Biogenic	0.04 %	0	52	52
Petroleum	0.03 %	0	33	33
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	116,535	4,550	121,086

BPA Claims

Fuel	MWh
Hydro	105,895
Natural Gas	7
Nuclear	10,633
SubTotal	116,535
BPA Market Purchase	4,550
BPA Total	121,085

Pend Oreille County PUD #1

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.44 %	0	4,494	4,494
Coal	3.49 %	0	35,557	35,557
Geothermal	0.00 %	0	0	0
Hydro	89.88 %	797,996	117,870	915,866
Natural Gas	4.53 %	5	46,173	46,178
Nuclear	1.27 %	7,738	5,226	12,965
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.24 %	0	2,426	2,426
Petroleum	0.15 %	0	1,537	1,537
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	805,739	213,283	1,019,023

BPA Claims

Fuel	MWh
Hydro	77,069
Natural Gas	5
Nuclear	7,738
SubTotal	84,812
BPA Market Purchase	3,312
BPA Total	88,124

Market Purchases

Type	MWh
Utility Market Purchase	209,971
Total	209,971

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Boundary	Water	366,350	366,350
Box Canyon	Water	354,577	354,577
Total		720,927	720,927

Peninsula Light

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.09 %	0	596	596
Coal	0.75 %	0	4,719	4,719
Geothermal	0.00 %	0	0	0
Hydro	83.23 %	508,880	15,642	524,522
Natural Gas	0.98 %	35	6,127	6,162
Nuclear	8.22 %	51,095	694	51,789
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.05 %	0	322	322
Petroleum	0.03 %	0	204	204
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	6.65 %	41,938	0	41,938
Total	100.00 %	601,948	28,304	630,252

BPA Claims

Fuel	MWh
Hydro	508,880
Natural Gas	35
Nuclear	51,095
SubTotal	560,010
BPA Market Purchase	21,865
BPA Total	581,875

Market Purchases

Type	MWh
Utility Market Purchase	6,440
Total	6,440

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Harvest Wind Project	Wind	41,938	41,938
Total		41,938	41,938

Port Angeles Light Operations

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	226	226
Coal	0.63 %	0	1,790	1,790
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	249,965	5,935	255,901
Natural Gas	0.82 %	17	2,325	2,342
Nuclear	8.87 %	25,098	263	25,362
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	122	122
Petroleum	0.03 %	0	77	77
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	275,080	10,738	285,820

BPA Claims

Fuel	MWh
Hydro	249,965
Natural Gas	17
Nuclear	25,098
SubTotal	275,080
BPA Market Purchase	10,738
BPA Total	285,818

Port of Seattle

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	114	114
Coal	0.63 %	0	898	898
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	125,426	2,978	128,404
Natural Gas	0.82 %	9	1,167	1,175
Nuclear	8.87 %	12,594	132	12,726
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	61	61
Petroleum	0.03 %	0	39	39
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	138,029	5,389	143,417

BPA Claims

Fuel	MWh
Hydro	125,426
Natural Gas	9
Nuclear	12,594
SubTotal	138,029
BPA Market Purchase	5,389
BPA Total	143,418

Port Townsend

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	78	78
Coal	0.63 %	0	614	614
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	85,662	2,034	87,696
Natural Gas	0.82 %	6	797	803
Nuclear	8.87 %	8,601	90	8,691
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	42	42
Petroleum	0.03 %	0	27	27
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	94,269	3,682	97,951

BPA Claims

Fuel	MWh
Hydro	85,662
Natural Gas	6
Nuclear	8,601
SubTotal	94,269
BPA Market Purchase	3,682
BPA Total	97,951

Puget Sound Energy

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.44 %	0	99,153	99,153
Coal	37.58 %	7,645,766	784,539	8,430,305
Geothermal	0.00 %	0	0	0
Hydro	33.49 %	4,912,099	2,600,698	7,512,797
Natural Gas	21.27 %	3,753,271	1,018,768	4,772,039
Nuclear	0.73 %	49,044	115,313	164,357
Other Biogenic	0.00 %	6	0	6
Other Non-Biogenic	0.24 %	0	53,517	53,517
Petroleum	0.20 %	11,946	33,911	45,857
Solar	0.00 %	879	0	879
Waste	0.00 %	0	0	0
Wind	6.05 %	1,356,385	0	1,356,385
Total	100.00 %	17,729,396	4,705,899	22,435,295

BPA Claims

Fuel	MWh
Hydro	488,449
Natural Gas	33
Nuclear	49,044
SubTotal	537,526
BPA Market Purchase	20,986
BPA Total	558,512

Market Purchases

Type	MWh
Utility Market Purchase	4,684,915
Total	4,684,915

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Bio Energy Washington	Other Biomass Solids	5	5
Black Creek	Water	11,514	11,514
Cascade Community Solar	Solar	28	28
Colstrip	Waste/Other Oil	1,911	
	Gaseous Propane	0	
	Distillate Fuel Oil	2,056	
	Subbituminous Coal	4,381,890	4,385,856
Crystal Mountain	Distillate Fuel Oil	389	389
Distributed Generation--Biomass (WA)	Other Biomass Solids	1	1
Distributed Generation--Solar (WA)	Solar	81	81
Electron	Water	126,507	126,507
Encogen	Natural Gas	198,269	
	Distillate Fuel Oil	168	198,437
Ferndale Generating Station	Natural Gas	728,135	
	Distillate Fuel Oil	31	728,166
Frederickson	Natural Gas	24,951	
	Distillate Fuel Oil	58	25,009
Frederickson Power LP	Natural Gas	456,228	456,228
Fredonia	Natural Gas	117,028	
	Distillate Fuel Oil	1,323	118,351
Goldendale Generating Station	Natural Gas	1,081,995	1,081,995
Hopkins Ridge Wind	Wind	131,689	131,689
Island Community Solar	Solar	60	60
Klondike Windpower III	Wind	4,388	4,388

Koma Kulshan Associates	Water	42,070	42,070
Lake Washington -- Finn Hill	Solar	305	305
Lower Baker	Water	307,651	307,651
Lower Snake River Wind Energy Project	Wind	703,887	703,887
Mint Farm Generating Station	Natural Gas	863,063	863,063
Priest Rapids	Water	23,339	23,339
Rock Island	Water	691,930	691,930
Rocky Reach	Water	1,463,666	1,463,666
Skookumchuck	Water	6,209	6,209
Smith Creek (Whatcom County, WA)	Water	124	124
Snoqualmie	Water	60,899	60,899
Snoqualmie 2	Water	131,648	131,648
Sumas Power Plant	Natural Gas	253,137	253,137
Sygitowicz Creek	Water	969	969
Transalta Centralia Generation	Waste/Other Coal	49,813	
	Subbituminous Coal	0	
	Refined Coal	3,214,063	
	Distillate Fuel Oil	5,420	3,269,296
Twin Falls Hydro	Water	76,491	76,491
Upper Baker	Water	349,540	349,540
Wanapum	Water	25,299	25,299
Weeks Falls	Water	13,409	13,409
Wells	Water	1,092,385	1,092,385
Whitehorn	Distillate Fuel Oil	590	
	Natural Gas	30,432	31,022
Wild Horse	Solar	405	
	Wind	516,421	516,826
Total		17,191,870	17,191,869

Richland Energy Services

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	772	772
Coal	0.63 %	0	6,11	6,11
Geothermal	0.00 %	0	1 0	1 0
Hydro	89.53 %	853,201	20,259	873,460
Natural Gas	0.82 %	58	7,936	7,994
Nuclear	8.87 %	85,668	898	86,566
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	417	417
Petroleum	0.03 %	0	264	264
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	938,927	36,657	975,584

BPA Claims

Fuel	MWh
Hydro	853,201
Natural Gas	58
Nuclear	85,668
SubTotal	938,927
BPA Market Purchase	36,657
BPA Total	975,584

Ruston, Town of

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	1.44 %	101	9	109
Coal	0.91 %	0	69	69
Geothermal	0.00 %	0	0	0
Hydro	85.55 %	6,250	230	6,480
Natural Gas	1.19 %	0	90	90
Nuclear	4.73 %	348	10	359
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.06 %	0	5	5
Petroleum	0.04 %	0	3	3
Solar	0.01 %	1	0	1
Waste	0.00 %	0	0	0
Wind	6.07 %	460	0	460
Total	100.00 %	7,160	416	7,576

BPA Claims

Fuel	MWh
Hydro	3,470
Nuclear	348
SubTotal	3,818
BPA Market Purchase	149
BPA Total	3,967

Market Purchases

Type	MWh
Utility Market Purchase	267
Total	267

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Alder	Water	189	189
Bennett Creek Windfarm LLC - Mountain Home	Wind	43	43
Burley Butte Windpark	Wind	85	85
Condon Windpower LLC	Wind	7	7
Cushman 1	Water	119	119
Cushman 2	Water	198	198
Distributed Generation--Solar (WA)	Solar	1	1
FPL Energy Vansycle LLC (WA)	Wind	15	15
Grand Coulee Project Hydro Authority	Water	186	186
Hood Street Reservoir	Water	3	3
Hot Springs Windfarm LLC	Wind	40	40
LaGrande	Water	277	277
Mayfield	Water	710	710
Milner Dam Wind Park LLC	Wind	79	79
Mossyrock	Water	1,047	1,047
Nine Canyon	Wind	29	29
Pilgrim Stage Wind Park	Wind	47	47
Power County Wind Park North	Wind	37	37
Power County Wind Park South	Wind	38	38
Priest Rapids	Water	12	12
Sierra Pacific Aberdeen	Wood/Wood Waste Solids	101	101
Wanapum	Water	13	13
Wynoochee	Water	28	28
Total		3,304	3,304

Seattle City Light

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	1.06 %	105,516	0	105,516
Biomass	0.22 %	12,415	9,901	22,316
Coal	0.79 %	0	78,339	78,339
Geothermal	0.00 %	0	0	0
Hydro	91.24 %	8,815,140	259,688	9,074,828
Natural Gas	1.03 %	285	101,727	102,012
Nuclear	4.33 %	418,853	11,514	430,367
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.05 %	0	5,344	5,344
Petroleum	0.03 %	0	3,386	3,386
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	1.25 %	124,297	0	124,297
Total	100.00 %	9,476,506	469,899	9,946,405

BPA Claims

Fuel	MWh
Hydro	4,171,529
Natural Gas	285
Nuclear	418,853
SubTotal	4,590,667
BPA Market Purchase	179,229
BPA Total	4,769,896

Market Purchases

Type	MWh
Utility Market Purchase	290,671
Total	290,671

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Bonneville	Water	5,801	5,801
Boundary	Water	2,291,269	2,291,269
Cedar Falls (WA)	Water	60,760	60,760
Chief Joseph	Water	13,632	13,632
Condon Windpower LLC	Wind	6,726	6,726
Cougar	Water	298	298
Diablo	Water	506,728	506,728
Eltopia Branch Canal 4.6	Water	2,779	2,779
Foote Creek I	Wind	3,541	3,541
FPL Energy Vansycle LLC (OR)	Wind	90,423	90,423
FPL Energy Vansycle LLC (WA)	Wind	12,384	12,384
Gorge	Water	730,906	730,906
Grand Coulee	Water	29,122	29,122
High Ross Treaty	Water	236,231	236,231
Klondike Wind Power	Wind	3,095	3,095
Klondike Windpower III	Wind	8,128	8,128
Lookout Point	Water	1,389	1,389
Main Canal Headworks	Water	32,721	32,721
Potholes East Canal 66.0	Water	3,055	3,055
Priest Rapids	Water	17,975	17,975
Ross	Water	541,893	541,893
Russell D Smith	Water	5,267	5,267
Sierra Pacific Burlington Facility	Wood/Wood Waste Solids	12,415	12,415
South Fork Tolt	Water	39,965	39,965
Summer Falls Power Plant	Water	123,820	123,820

Waste Management Columbia Ridge LFGTE	Landfill Gas	96,024	96,024
West Point Treatment Plant	Natural Gas	0	
	Other Biomass Gas	9,492	9,492
Total		4,885,839	4,885,839

Skamania County PUD #1

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	114	114
Coal	0.63 %	0	899	899
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	125,462	2,979	128,441
Natural Gas	0.82 %	9	1,167	1,176
Nuclear	8.87 %	12,597	132	12,729
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	61	61
Petroleum	0.03 %	0	39	39
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	138,068	5,391	143,459

BPA Claims

Fuel	MWh
Hydro	125,462
Natural Gas	9
Nuclear	12,597
SubTotal	138,068
BPA Market Purchase	5,391
BPA Total	143,459

Snohomish County PUD #1

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	5,285	5,285
Coal	0.61 %	0	41,820	41,820
Geothermal	0.00 %	0	0	0
Hydro	89.79 %	6,009,108	138,629	6,147,737
Natural Gas	0.80 %	398	54,305	54,703
Nuclear	8.65 %	586,221	6,147	592,368
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	2,853	2,853
Petroleum	0.03 %	0	1,808	1,808
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	6,595,727	250,847	6,846,574

BPA Claims

Fuel	MWh
Hydro	5,838,418
Natural Gas	398
Nuclear	586,221
SubTotal	6,425,037
BPA Market Purchase	250,847
BPA Total	6,675,884

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
H M Jackson	Water	170,690	170,690
Hay Canyon Wind Power LLC	Wind	0	0
Packwood	Water	0	0
Qualco Energy	Other Biomass Solids	0	0
Roosevelt Biogas 1	Landfill Gas	0	0
Wheat Field Wind Power Project	Wind	0	0
White Creek Wind Farm	Wind	0	0
Woods Creek	Water	0	0
Youngs Creek Hydroelectric Project	Water	0	0
Total		170,690	170,690

Solar City (WA)

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.00 %	0	0	0
Coal	0.00 %	0	0	0
Geothermal	0.00 %	0	0	0
Hydro	0.00 %	0	0	0
Natural Gas	0.00 %	0	0	0
Nuclear	0.00 %	0	0	0
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.00 %	0	0	0
Petroleum	0.00 %	0	0	0
Solar	100.00 %	601	0	601
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	601	0	601

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Solar City (WA)	Solar	601	601
Total		601	601

Steilacoom Electric Utility

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	33	33
Coal	0.63 %	0	257	257
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	35,930	853	36,783
Natural Gas	0.82 %	2	334	337
Nuclear	8.87 %	3,608	38	3,645
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	18	18
Petroleum	0.03 %	0	11	11
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	39,540	1,544	41,084

BPA Claims

Fuel	MWh
Hydro	35,930
Natural Gas	2
Nuclear	3,608
SubTotal	39,540
BPA Market Purchase	1,544
BPA Total	41,084

Sumas, City of

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	27	27
Coal	0.63 %	0	211	211
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	29,412	698	30,110
Natural Gas	0.82 %	2	274	276
Nuclear	8.87 %	2,953	31	2,984
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	14	14
Petroleum	0.03 %	0	9	9
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	32,367	1,264	33,631

BPA Claims

Fuel	MWh
Hydro	29,412
Natural Gas	2
Nuclear	2,953
SubTotal	32,367
BPA Market Purchase	1,264
BPA Total	33,631

Tacoma Power

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	1.49 %	67,142	7,990	75,132
Coal	1.26 %	0	63,218	63,218
Geothermal	0.00 %	0	0	0
Hydro	85.27 %	4,169,385	116,713	4,286,097
Natural Gas	1.64 %	158	82,086	82,244
Nuclear	4.62 %	232,400	-23	232,377
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.09 %	0	4,312	4,312
Petroleum	0.05 %	0	2,733	2,733
Solar	0.01 %	380	0	380
Waste	0.00 %	0	0	0
Wind	5.57 %	280,012	0	280,012
Total	100.00 %	4,749,477	277,029	5,026,505

BPA Claims

Fuel	MWh
Hydro	2,314,568
Natural Gas	158
Nuclear	232,400
SubTotal	2,547,126
BPA Market Purchase	99,445
BPA Total	2,646,571

Market Purchases

Type	MWh
Utility Market Purchase	177,584
Total	177,584

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Alder	Water	126,174	126,174
Bennett Creek Windfarm LLC - Mountain Home	Wind	28,995	28,995
Burley Butte Windpark	Wind	56,379	56,379
Condon Windpower LLC	Wind	4,938	4,938
Cushman 1	Water	79,206	79,206
Cushman 2	Water	131,880	131,880
Distributed Generation--Solar (WA)	Solar	380	380
FPL Energy Vansycle LLC (WA)	Wind	10,172	10,172
Grand Coulee Project Hydro Authority	Water	124,195	124,195
Hood Street Reservoir	Water	1,782	1,782
Hot Springs Windfarm LLC	Wind	26,525	26,525
LaGrande	Water	185,071	185,071
Mayfield	Water	473,357	473,357
Milner Dam Wind Park LLC	Wind	52,557	52,557
Mossyrock	Water	698,441	698,441
Nine Canyon	Wind	19,392	19,392
Pilgrim Stage Wind Park	Wind	31,054	31,054
Power County Wind Park North	Wind	24,785	24,785
Power County Wind Park South	Wind	25,215	25,215
Priest Rapids	Water	7,690	7,690
Sierra Pacific Aberdeen	Wood/Wood Waste Solids	67,142	67,142
Wanapum	Water	8,508	8,508
Wynoochee	Water	18,513	18,513
Total		2,202,351	2,202,351

Tanner Electric Coop

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	78	78
Coal	0.63 %	0	620	620
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	86,560	2,055	88,615
Natural Gas	0.82 %	6	805	811
Nuclear	8.87 %	8,691	91	8,782
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	42	42
Petroleum	0.03 %	0	27	27
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	95,257	3,718	98,975

BPA Claims

Fuel	MWh
Hydro	86,560
Natural Gas	6
Nuclear	8,691
SubTotal	95,257
BPA Market Purchase	3,718
BPA Total	98,975

Vera Water & Power

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.12 %	0	291	291
Coal	0.96 %	0	2,299	2,299
Geothermal	0.00 %	0	0	0
Hydro	88.82 %	204,679	7,620	212,299
Natural Gas	1.25 %	14	2,985	2,999
Nuclear	8.74 %	20,551	338	20,889
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.07 %	0	157	157
Petroleum	0.04 %	0	99	99
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	225,244	13,789	239,033

BPA Claims

Fuel	MWh
Hydro	204,679
Natural Gas	14
Nuclear	20,551
SubTotal	225,244
BPA Market Purchase	8,793
BPA Total	234,037

Market Purchases

Type	MWh
Utility Market Purchase	4,994
Total	4,994

Wahkiakum County PUD #1

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	36	36
Coal	0.63 %	0	286	286
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	39,893	947	40,840
Natural Gas	0.82 %	3	371	374
Nuclear	8.87 %	4,006	42	4,048
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	19	19
Petroleum	0.03 %	0	12	12
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	43,902	1,713	45,615

BPA Claims

Fuel	MWh
Hydro	39,893
Natural Gas	3
Nuclear	4,006
SubTotal	43,902
BPA Market Purchase	1,713
BPA Total	45,615

Whatcom County PUD #1

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	165	165
Coal	0.63 %	0	1,306	1,306
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	182,385	4,331	186,716
Natural Gas	0.82 %	12	1,696	1,709
Nuclear	8.87 %	18,313	192	18,505
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	89	89
Petroleum	0.03 %	0	56	56
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	200,710	7,835	208,546

BPA Claims

Fuel	MWh
Hydro	182,385
Natural Gas	12
Nuclear	18,313
SubTotal	200,710
BPA Market Purchase	7,835
BPA Total	208,545

Yakama Power

Utility Fuel Mix

Fuel	Percent	MWh from Claims on Resources	Total MWh from Market Purchases	Total MWh
Biogas	0.00 %	0	0	0
Biomass	0.08 %	0	115	115
Coal	0.63 %	0	913	913
Geothermal	0.00 %	0	0	0
Hydro	89.53 %	127,429	3,026	130,455
Natural Gas	0.82 %	9	1,185	1,194
Nuclear	8.87 %	12,795	134	12,929
Other Biogenic	0.00 %	0	0	0
Other Non-Biogenic	0.04 %	0	62	62
Petroleum	0.03 %	0	39	39
Solar	0.00 %	0	0	0
Waste	0.00 %	0	0	0
Wind	0.00 %	0	0	0
Total	100.00 %	140,233	5,474	145,707

BPA Claims

Fuel	MWh
Hydro	127,429
Natural Gas	9
Nuclear	12,795
SubTotal	140,233
BPA Market Purchase	5,474
BPA Total	145,707