

Washington Electric Utility 2023 Fuel Mix Disclosure Report



For calendar year 2022

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Report to the Legislature

Director Mike Fong

 ENERGY POLICY OFFICE

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Acknowledgments

Washington State Department of Commerce

Aaron Tam

Electric and Natural Gas Data Specialist

Austin Scharff

Senior Energy Policy Specialist

Glenn Blackmon

Director, Energy Policy Office

1011 Plum St. SE

P.O. Box 42525

Olympia, WA 98504-2525

www.commerce.wa.gov

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RCW 19.29A.060 requires each electric supplier, or utility, serving retail customers in Washington to disclose to its customers the mix of fuels used to generate the electricity sold to those customers in the previous year. Utilities must disclose the information, similar to a content label on a food product, to new customers and post the information on their public websites. 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 energydata@commerce.wa.gov.

About Fuel Mix

[Chapter 19.29A RCW](#) requires Washington electric utilities report to customers the sources of power used 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. Commerce collects the data supporting this effort; the fuel mix values and associated greenhouse gas emissions content are calculated and summarized for utility and state level mix information.

How is a utility's fuel mix determined?

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

To build a fuel mix picture for each utility, Commerce uses information reported by each utility about the quantity (megawatt-hours, represented as MWh) of electricity from specific generating plants. The fuel source for the specified generating plants is provided by the U.S. Energy Information Administration (EIA). [Chapter 19.29A](#) requires that a utility have documentation of ownership or contractual rights from a specific generating facility to report a claim on that resource. To protect against double counting of renewable energy sources, The State Auditor verifies 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. BPA provides Commerce with information about the mix of resources used to generate this electricity. PNGC Power, an electric generation and transmission cooperative, also provides information to Commerce on behalf of some member utilities.

Post-2019 fuel mix disclosure reports

In 2019, the Legislature enacted [Engrossed Substitute House Bill 1428](#) to reform the fuel mix statute ([Chapter 19.29A RCW](#)). Commerce requested this legislation to make much-needed updates to the law and to improve the accuracy and timeliness of the reports.

For utility customers, the biggest change was a new category on the disclosure label for “unspecified sources.” Utilities sometimes purchase electricity without requiring that the seller identify the source of that electricity. For example, power transactions to balance supply and demand on an hour-by-by-hour basis are typically unspecified. Prior to the 2019 change, the law had required that Commerce assign fuel shares to this power. Instead, unknown sources are now listed as a separate category.

What is the source of information for this report?

The primary source of information in this publication is the reports of individual utilities of the source and disposition of electricity supplies. A secondary source is the U.S. Energy Information Administration (EIA) report of 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 July 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/.

How is information presented in this report?

State level fuel mix information, expressed as energy (MWh) and fuel type, is presented first. The state level information is the aggregate of all of the calculated individual utility fuel mix values. A state level historical series is also presented. Following these tables and figures is a full description of the fuel mix for each electric utility in the state.

Glossary

- “Claims on resources” refers to power obtained from specific generation facilities, with fuel source information obtained from the U.S. Energy Information Administration.
- “Unspecified power purchase” refers to power purchases where the generation facility and fuel source information is not known.
- “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 labeled as unspecified.
- “BPA claims” includes only the portion of delivered BPA power that can be attributed to specific plants.

Graphs and Tables

The Washington fuel mix is the state aggregate of fuel sources associated with the electricity delivered by all electric utilities to end users in 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 presents the fuel sources associated with electricity to end users in Washington for calendar year 2022. Hydropower (53.84%) is the largest primary fuel used to produce electricity in the state. Unspecified power is the second largest category (12.90%), followed by natural gas (10.40%) and coal (8.60%). Table 1 lists the electricity fuel sources by MWh and percent.

Figure 1: 2022 Aggregate Fuel Mix for Washington Electric Utilities

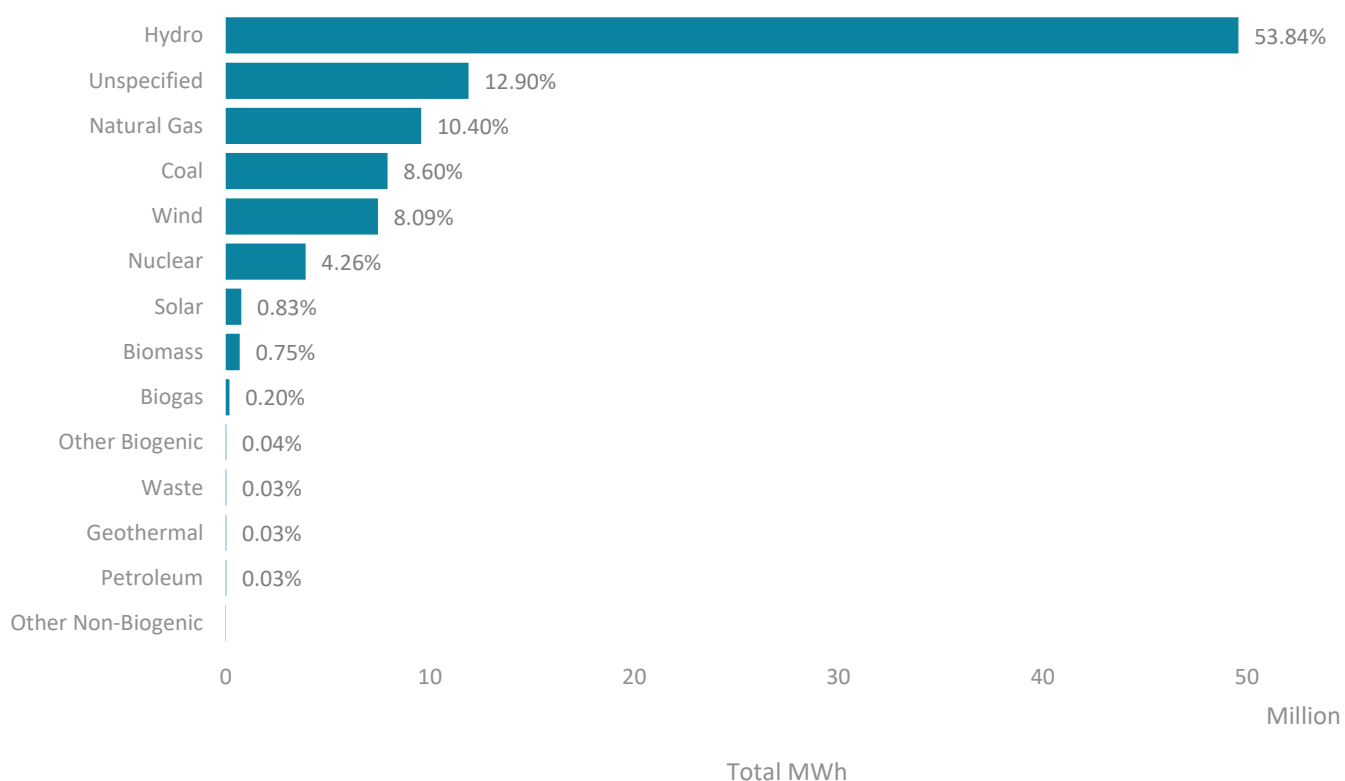
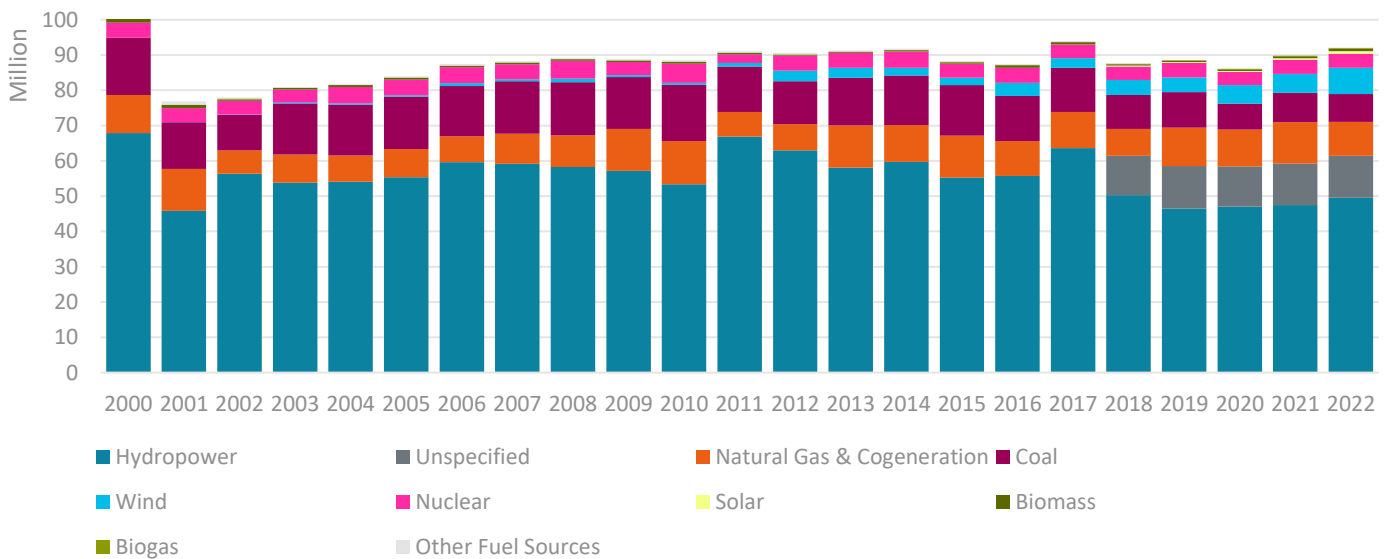


Table 1: 2022 Aggregate Fuel Mix for Washington Electric Utilities

Fuel Type	Total Electric Power MWh	Percentage
Hydro	49,583,521	53.84%
Unspecified	11,885,124	12.90%
Natural Gas	9,574,626	10.40%
Coal	7,921,025	8.60%

Fuel Type	Total Electric Power MWh	Percentage
Wind	7,451,109	8.09%
Nuclear	3,920,657	4.26%
Solar	767,131	0.83%
Biomass	691,390	0.75%
Biogas	186,100	0.20%
Other Biogenic	35,283	0.04%
Waste	32,063	0.03%
Geothermal	25,639	0.03%
Petroleum	25,276	0.03%
Other Non-Biogenic	-237	0.00%
Grand Total	92,098,707	100.00%

Figure 2: Aggregate Fuel Mix Time Series (MWh) for Washington Electric Utilities¹



¹ As described above, the method of reporting claims on unspecified sources changed in 2019 (which affected calendar year 2018 fuel mix). Before 2019, the fuel mix law required that Commerce assign a fuel mix to unspecified sources based on regional data.

Table 2: Aggregate Fuel Mix Time Series (MWh) for Washington Electric Utilities

Year	Hydropower	Unspecified	Natural Gas & Cogeneration	Coal	Wind	Nuclear	Solar	Biomass	Biogas	Other Fuel Sources	Grand Total
2000	67,889,834	0	10,771,994	16,243,438	0	4,285,939	0	1,100,469	68,978	704,295	101,064,947
2001	45,853,455	0	11,863,293	13,247,976	23,822	3,975,371	0	937,515	70,807	885,095	76,857,334
2002	56,339,641	0	6,606,079	10,076,412	163,134	3,858,716	0	392,378	220,705	279,710	77,936,775
2003	53,850,478	0	7,961,221	14,336,264	320,540	3,726,175	0	434,700	75,125	181,004	80,885,507
2004	54,132,176	0	7,379,356	14,459,001	346,470	4,591,072	0	536,643	134,122	193,289	81,772,129
2005	55,342,273	0	7,986,135	14,860,017	432,667	4,403,537	0	587,085	80,500	226,344	83,918,558
2006	59,609,529	0	7,319,962	14,245,188	867,392	4,513,216	0	392,712	57,858	419,457	87,425,314
2007	59,203,647	0	8,459,744	14,866,637	545,622	4,326,265	0	460,983	49,041	381,907	88,293,846
2008	58,235,550	0	9,021,053	15,034,912	1,010,928	5,083,665	0	415,226	23,043	382,863	89,207,240
2009	57,214,771	0	11,846,700	14,672,973	587,994	3,653,541	0	445,076	16,058	438,427	88,875,540
2010	53,412,121	0	12,207,985	15,955,168	567,281	5,430,617	0	492,371	18,787	459,971	88,544,301
2011	66,847,397	0	7,003,278	12,900,636	1,017,702	2,390,245	0	446,890	49,209	450,901	91,106,258
2012	62,984,536	0	7,439,486	12,149,258	3,011,137	4,239,398	1,433	310,812	83,665	424,045	90,643,770
2013	58,074,493	0	11,949,790	13,519,852	2,859,415	4,247,504	1,709	260,972	60,741	342,191	91,316,667
2014	59,723,805	0	10,442,483	14,026,540	2,219,613	4,617,391	6,618	300,416	104,431	341,509	91,782,806
2015	55,306,859	0	11,807,835	14,388,993	2,029,032	4,021,955	8,807	401,408	133,132	222,080	88,320,101
2016	55,697,796	0	9,937,111	12,799,782	3,661,267	4,308,647	3,491	675,649	148,177	220,682	87,452,602
2017	63,644,891	0	10,181,880	12,593,438	2,674,081	3,941,745	2,740	562,311	121,566	310,420	94,033,072
2018	50,289,183	11,157,787	7,654,899	9,556,048	4,274,696	3,790,590	272,611	417,963	184,859	97,952	87,696,588
2019	46,496,026	12,063,469	10,877,913	10,069,295	4,144,546	4,050,965	273,319	440,016	182,344	91,033	88,688,926
2020	47,060,403	11,408,437	10,412,290	7,385,036	5,180,571	3,754,196	288,595	482,183	133,530	112,974	86,218,215
2021	47,491,276	11,816,252	11,676,676	8,289,597	5,425,544	3,921,061	507,748	537,485	159,621	128,292	89,953,552
2022	49,583,521	11,885,124	9,574,626	7,921,025	7,451,109	3,920,657	767,131	691,390	186,100	118,024	92,098,707

Alder Mutual Light

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	5,226
Natural Gas	0.00 %	0
Nuclear	10.98 %	675
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	249
Total	100.00 %	6,150

BPA Claims

Fuel	MWh
Hydro	5,226
Nuclear	675
SubTotal	5,901
BPA Unspecified Purchase	249
BPA Total	6,150

Asotin County PUD #1

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	3,685
Natural Gas	0.00 %	0
Nuclear	10.98 %	476
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	176
Total	100.00 %	4,337

BPA Claims

Fuel	MWh
Hydro	3,685
Nuclear	476
SubTotal	4,161
BPA Unspecified Purchase	176
BPA Total	4,337

Avangrid (WA)

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas		0
Biomass		0
Coal		0
Geothermal		0
Hydro		0
Natural Gas		0
Nuclear		0
Other Biogenic		0
Other Non-Biogenic		0
Petroleum		0
Solar		0
Unknown		0
Waste		0
Wind		0
Unspecified		0
Total		0

Avista (WA)

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	5.49 %	341,593
Coal	14.27 %	888,192
Geothermal	0.00 %	0
Hydro	40.23 %	2,503,478
Natural Gas	33.83 %	2,105,089
Nuclear	0.00 %	0
Other Biogenic	0.42 %	26,234
Other Non-Biogenic	0.00 %	0
Petroleum	0.01 %	417
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.52 %	32,063
Wind	5.23 %	325,324
Unspecified	0.00 %	0
Total	100.00 %	6,222,390

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Boulder Park	Natural Gas	44,518	44,518
Cabinet Gorge	Water	464,413	464,413
Clearwater Paper IPP Lewiston	Black Liquor	150,236	
	Residual Fuel Oil	0	
	Wood/Wood Waste Solids	57,004	
	Distillate Fuel Oil	0	
Colstrip	Natural Gas	30,347	237,587
	Distillate Fuel Oil	417	
	Waste/Other Oil	0	
	Subbituminous Coal	888,192	888,609
Coyote Springs II	Natural Gas	1,011,728	1,011,728
Kettle Falls Generating Station	Natural Gas	2,008	
	Wood/Wood Waste Solids	126,751	128,759
Little Falls (WA)	Water	113,035	113,035
Long Lake	Water	271,248	271,248
Meyers Falls	Water	4,520	4,520
Monroe Street	Water	41,146	41,146
Nine Mile	Water	63,138	63,138
Northeast (WA)	Natural Gas	581	581
Noxon Rapids	Water	733,900	733,900
Palouse	Wind	151,133	151,133
Plummer Cogen	Wood/Wood Waste Solids	7,602	7,602
Post Falls	Water	31,319	31,319
Priest Rapids	Water	194,584	194,584
Rathdrum	Natural Gas	109,300	109,300

Rathdrum Power LLC	Natural Gas	906,607	906,607
Rattlesnake Flat	Wind	174,191	174,191
Rocky Reach	Water	247,407	247,407
Sheep Creek Hydro	Water	4,874	4,874
Spokane Waste to Energy	Biogenic Municipal Solid Waste	26,234	
	Non-biogenic Municipal Solid Waste	32,063	58,297
Upper Falls	Water	27,009	27,009
Upriver Dam Hydro Plant	Water	26,941	26,941
Wells	Water	279,944	279,944
Total		6,222,390	6,222,390

Benton County PUD #1

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	1.53 %	28,645
Biomass	3.77 %	70,559
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	72.45 %	1,355,230
Natural Gas	0.57 %	10,693
Nuclear	9.30 %	174,071
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	6.32 %	118,335
Unspecified	6.06 %	113,402
Total	100.00 %	1,870,935

BPA Claims

Fuel	MWh
Hydro	1,346,745
Nuclear	174,071
SubTotal	1,520,816
BPA Unspecified Purchase	64,300
BPA Total	1,585,116

Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	49,102
Total	49,102

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Condon Windpower LLC	Wind	1,443	1,443
Cosmo Specialty Fibers Inc.	Wood/Wood Waste Solids	59,338	59,338
FPL Energy Vansycle LLC (WA)	Wind	4,707	4,707
Frederickson Power LP	Natural Gas	10,693	10,693
Hidden Hollow Energy	Landfill Gas	6,449	6,449
Hot Springs Windfarm LLC	Wind	3,047	3,047
Klondike Wind Power	Wind	477	477
Klondike Windpower III	Wind	3,364	3,364
LRI LFGTE Facility	Landfill Gas	22,196	22,196
Marengo Wind Plant	Wind	328	328
Mountain Air	Wind	5,000	5,000
Nine Canyon	Wind	34,565	34,565
Packwood	Water	8,485	8,485
Stimson	Wood/Wood Waste Solids	11,221	11,221
White Creek Wind Farm	Wind	25,879	25,879
Yahoo Creek	Wind	39,525	39,525
Total		236,717	236,717

Benton Rural Electric Assn

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	549,115
Natural Gas	0.00 %	0
Nuclear	10.98 %	70,975
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	26,217
Total	100.00 %	646,307

BPA Claims

Fuel	MWh
Hydro	549,115
Nuclear	70,975
SubTotal	620,090
BPA Unspecified Purchase	26,217
BPA Total	646,307

Big Bend Electric Coop

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	75.79 %	446,378
Natural Gas	0.00 %	0
Nuclear	9.80 %	57,696
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	14.41 %	84,841
Total	100.00 %	588,915

BPA Claims

Fuel	MWh
Hydro	446,378
Nuclear	57,696
SubTotal	504,074
BPA Unspecified Purchase	21,312
BPA Total	525,386

Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	63,529
Total	63,529

Centralia City Light

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	6.35 %	17,474
Geothermal	0.00 %	0
Hydro	79.57 %	218,810
Natural Gas	0.00 %	0
Nuclear	10.27 %	28,236
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.02 %	45
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	3.79 %	10,430
Total	100.00 %	274,995

BPA Claims

Fuel	MWh
Hydro	218,453
Nuclear	28,236
SubTotal	246,689
BPA Unspecified Purchase	10,429
BPA Total	257,118

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Transalta Centralia Generation	Refined Coal	0	
	Distillate Fuel Oil	45	
	Subbituminous Coal	17,474	
	Waste/Other Coal	0	17,519
Yelm	Water	357	357
Total		17,876	17,876

Chelan County PUD #1

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	80.04 %	1,573,248
Natural Gas	0.00 %	0
Nuclear	0.00 %	0
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.01 %	105
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.30 %	5,885
Unspecified	19.65 %	386,110
Total	100.00 %	1,965,348

Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	386,110
Total	386,110

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Chelan	Water	95,909	95,909
Nine Canyon	Wind	5,885	5,885
Rock Island	Water	241,209	241,209
Rocky Reach	Water	1,234,957	1,234,957
Stehekin Diesel	Distillate Fuel Oil	105	105
Stehekin Hydro	Water	1,173	1,173
Total		1,579,238	1,579,238

Cheney Light Department

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	107,421
Natural Gas	0.00 %	0
Nuclear	10.98 %	13,885
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	5,131
Total	100.00 %	126,437

BPA Claims

Fuel	MWh
Hydro	107,421
Nuclear	13,885
SubTotal	121,306
BPA Unspecified Purchase	5,127
BPA Total	126,433

Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	2
Total	2

Chewelah Electric Department

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	18,677
Natural Gas	0.00 %	0
Nuclear	10.98 %	2,414
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	892
Total	100.00 %	21,983

BPA Claims

Fuel	MWh
Hydro	18,677
Nuclear	2,414
SubTotal	21,091
BPA Unspecified Purchase	893
BPA Total	21,984

City of Blaine

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	73,721
Natural Gas	0.00 %	0
Nuclear	10.98 %	9,529
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	3,520
Total	100.00 %	86,770

BPA Claims

Fuel	MWh
Hydro	73,721
Nuclear	9,529
SubTotal	83,250
BPA Unspecified Purchase	3,520
BPA Total	86,770

Clallam County PUD #1

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	85.15 %	610,064
Natural Gas	0.00 %	0
Nuclear	10.84 %	77,698
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.01 %	28,700
Total	100.00 %	716,462

BPA Claims

Fuel	MWh
Hydro	601,130
Nuclear	77,698
SubTotal	678,828
BPA Unspecified Purchase	28,699
BPA Total	707,527

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Distributed Generation--Hydro (WA)	Water	217	217
Packwood	Water	8,717	8,717
Total		8,934	8,934

Clark County PUD #1

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	48.03 %	2,432,762
Natural Gas	28.61 %	1,448,941
Nuclear	6.17 %	312,460
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	5.30 %	268,480
Unspecified	11.89 %	602,464
Total	100.00 %	5,065,107

BPA Claims

Fuel	MWh
Hydro	2,417,423
Nuclear	312,460
SubTotal	2,729,883
BPA Unspecified Purchase	115,418
BPA Total	2,845,301

Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	487,048
Total	487,048

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
BPA--Dedicated Resource Type Sales	Wind	15,809	15,809
Eurus Combine Hills Turbine Ranch 2	Wind	252,671	252,671
Packwood	Water	15,339	15,339
River Road Gen Plant	Natural Gas	1,448,941	1,448,941
Total		1,732,760	1,732,760

Clearwater Power (WA)

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.40 %	19,993
Natural Gas	0.00 %	0
Nuclear	10.91 %	2,584
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.69 %	1,112
Total	100.00 %	23,689

BPA Claims

Fuel	MWh
Hydro	19,993
Nuclear	2,584
SubTotal	22,577
BPA Unspecified Purchase	955
BPA Total	23,532

Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	157
Total	157

Columbia Rural Electric Assn (WA)

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	75.58 %	281,678
Natural Gas	0.00 %	0
Nuclear	9.77 %	36,408
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	14.65 %	54,594
Total	100.00 %	372,680

BPA Claims

Fuel	MWh
Hydro	281,678
Nuclear	36,408
SubTotal	318,086
BPA Unspecified Purchase	13,450
BPA Total	331,536

Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	41,147
Total	41,147

Consolidated Irrigation District #19

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	2,248
Natural Gas	0.00 %	0
Nuclear	10.98 %	291
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	107
Total	100.00 %	2,646

BPA Claims

Fuel	MWh
Hydro	2,248
Nuclear	291
SubTotal	2,539
BPA Unspecified Purchase	109
BPA Total	2,648

Coulee Dam, Town of

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	15,583
Natural Gas	0.00 %	0
Nuclear	10.98 %	2,014
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	744
Total	100.00 %	18,341

BPA Claims

Fuel	MWh
Hydro	15,583
Nuclear	2,014
SubTotal	17,597
BPA Unspecified Purchase	745
BPA Total	18,342

Cowlitz County PUD #1

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	2.50 %	112,538
Coal	0.19 %	8,641
Geothermal	0.00 %	0
Hydro	71.18 %	3,209,922
Natural Gas	0.67 %	30,010
Nuclear	8.61 %	388,220
Other Biogenic	0.08 %	3,483
Other Non-Biogenic	0.00 %	0
Petroleum	0.02 %	701
Solar	3.12 %	140,860
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	6.93 %	312,703
Unspecified	6.70 %	302,059
Total	100.00 %	4,509,137

BPA Claims

Fuel	MWh
Hydro	3,003,562
Nuclear	388,220
SubTotal	3,391,782
BPA Unspecified Purchase	143,401
BPA Total	3,535,183

Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	158,657
Total	158,657

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
American Falls Solar	Solar	12,893	12,893
American Falls Solar II	Solar	11,312	11,312
Bonneville Dam Incremental Hydro G1	Water	3,323	3,323
Chief Joseph	Water	24,941	24,941
Chiloquin Solar, LLC	Solar	10,926	10,926
Cold Springs Windfarm	Wind	2,053	2,053
Condon Windpower LLC	Wind	9,924	9,924
Cougar	Water	260	260
Desert Meadow Windfarm	Wind	2,053	2,053
FPL Energy Vansycle LLC (OR)	Wind	52,918	52,918
FPL Energy Vansycle LLC (WA)	Wind	19,336	19,336
Goodnoe Hills	Wind	16,000	16,000
Grand Coulee	Water	35,198	35,198
Hammitt Hill Windfarm	Wind	2,053	2,053
Harvest Wind Project	Wind	20,435	20,435
Hills Creek	Water	391	391
Horse Butte Wind I, LLC	Wind	17,296	17,296
Klondike Wind Power	Wind	4,990	4,990
Klondike Windpower III	Wind	26,391	26,391
Longview Fibre	Black Liquor	33,443	
	Wood/Wood Waste Solids	10,439	
	Natural Gas	12,390	56,272
Lookout Point	Water	809	809

Mainline Windfarm	Wind	2,053	2,053
Marengo Wind Plant	Wind	32,500	32,500
Meadow Creek Project Company	Wind	7,704	7,704
Murphy Flat Solar	Solar	12,921	12,921
Nine Canyon	Wind	9,924	9,924
Nippon Dynawave Packaging Longview WA	Sludge Waste	3,483	
	Residual Fuel Oil	701	
	Black Liquor	52,001	
	Subbituminous Coal	8,641	
	Natural Gas	17,620	
	Wood/Wood Waste Solids	16,655	
	Distillate Fuel Oil	0	99,101
OR Solar 2, LLC	Solar	1	1
OR Solar 3, LLC	Solar	13,783	13,783
OR Solar 5, LLC	Solar	10,905	10,905
OR Solar 6, LLC	Solar	13,650	13,650
OR Solar 8, LLC	Solar	20,710	20,710
Orchard Ranch Solar	Solar	18,650	18,650
Palisades Dam	Water	2,955	2,955
Power County Wind Park North	Wind	50,000	50,000
Power County Wind Park South	Wind	32,953	32,953
Priest Rapids	Water	4,075	4,075
Ryegrass Windfarm	Wind	2,053	2,053
Simcoe Solar	Solar	15,109	15,109
Swift 2	Water	127,798	127,798
Two Ponds Windfarm	Wind	2,053	2,053
Wanapum	Water	6,610	6,610
White Creek Wind Farm	Wind	15	15
Total		815,297	815,297

Douglas County PUD #1

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	22.88 %	312,160
Natural Gas	0.00 %	0
Nuclear	0.00 %	0
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	1.62 %	22,076
Unspecified	75.50 %	1,030,262
Total	100.00 %	1,364,498

Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	1,030,261
Total	1,030,261

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Nine Canyon	Wind	22,076	22,076
Wells	Water	312,160	312,160
Total		334,236	334,236

Douglas County PUP No 1 Renewable Energy Program

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas		0
Biomass		0
Coal		0
Geothermal		0
Hydro		0
Natural Gas		0
Nuclear		0
Other Biogenic		0
Other Non-Biogenic		0
Petroleum		0
Solar		0
Unknown		0
Waste		0
Wind		0
Unspecified		0
Total		0

Eatonville Electric Department

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	25,469
Natural Gas	0.00 %	0
Nuclear	10.98 %	3,292
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	1,216
Total	100.00 %	29,977

BPA Claims

Fuel	MWh
Hydro	25,469
Nuclear	3,292
SubTotal	28,761
BPA Unspecified Purchase	1,216
BPA Total	29,977

Ellensburg Electric Division

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	190,452
Natural Gas	0.00 %	0
Nuclear	10.98 %	24,617
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	9,093
Total	100.00 %	224,162

BPA Claims

Fuel	MWh
Hydro	190,452
Nuclear	24,617
SubTotal	215,069
BPA Unspecified Purchase	9,092
BPA Total	224,161

Elmhurst Mutual Power & Light

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	251,152
Natural Gas	0.00 %	0
Nuclear	10.98 %	32,462
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	11,991
Total	100.00 %	295,605

BPA Claims

Fuel	MWh
Hydro	251,152
Nuclear	32,462
SubTotal	283,614
BPA Unspecified Purchase	11,990
BPA Total	295,604

Energy Northwest

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	16,353
Natural Gas	0.00 %	0
Nuclear	10.98 %	2,114
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	781
Total	100.00 %	19,248

BPA Claims

Fuel	MWh
Hydro	16,353
Nuclear	2,114
SubTotal	18,467
BPA Unspecified Purchase	781
BPA Total	19,248

Fairchild Airforce Base

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	37,942
Natural Gas	0.00 %	0
Nuclear	10.98 %	4,904
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	1,812
Total	100.00 %	44,658

BPA Claims

Fuel	MWh
Hydro	37,942
Nuclear	4,904
SubTotal	42,846
BPA Unspecified Purchase	1,812
BPA Total	44,658

Ferry County PUD #1

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	75,195
Natural Gas	0.00 %	0
Nuclear	10.98 %	9,719
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	3,590
Total	100.00 %	88,504

BPA Claims

Fuel	MWh
Hydro	75,195
Nuclear	9,719
SubTotal	84,914
BPA Unspecified Purchase	3,590
BPA Total	88,504

Franklin County PUD #1

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	76.28 %	869,979
Natural Gas	1.56 %	17,741
Nuclear	9.79 %	111,658
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	1.43 %	16,262
Unspecified	10.94 %	124,732
Total	100.00 %	1,140,372

BPA Claims

Fuel	MWh
Hydro	863,868
Nuclear	111,658
SubTotal	975,526
BPA Unspecified Purchase	41,245
BPA Total	1,016,771

Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	83,488
Total	83,488

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Frederickson Power LP	Natural Gas	17,741	17,741
Packwood	Water	6,111	6,111
White Creek Wind Farm	Wind	16,262	16,262
Total		40,114	40,114

Grant County PUD #2

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	16.35 %	866,113
Natural Gas	0.00 %	0
Nuclear	0.12 %	6,478
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.48 %	25,190
Unspecified	83.05 %	4,399,872
Total	100.00 %	5,297,653

BPA Claims

Fuel	MWh
Hydro	50,118
Nuclear	6,478
SubTotal	56,596
BPA Unspecified Purchase	2,392
BPA Total	58,988

Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	4,397,479
Total	4,397,479

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Nine Canyon	Wind	25,190	25,190
PEC Headworks	Water	16,536	16,536
Priest Rapids	Water	231,873	231,873
Quincy Chute	Water	31,575	31,575
Rocky Reach	Water	2,810	2,810
Wanapum	Water	533,201	533,201
Total		841,185	841,185

Grant County PUD #2 (Rate Schedule 13)

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	100.00 %	803,200
Natural Gas	0.00 %	0
Nuclear	0.00 %	0
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	0.00 %	0
Total	100.00 %	803,200

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Chelan	Water	6,196	6,196
PEC Headworks	Water	163	163
Priest Rapids	Water	24,900	24,900
Rock Island	Water	65,696	65,696
Rocky Reach	Water	339,735	339,735
Wanapum	Water	366,510	366,510
Total		803,200	803,200

Grays Harbor County PUD #1

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	79.78 %	882,565
Natural Gas	0.65 %	7,204
Nuclear	10.23 %	113,233
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	3.45 %	38,182
Unspecified	5.89 %	65,212
Total	100.00 %	1,106,396

BPA Claims

Fuel	MWh
Hydro	876,052
Nuclear	113,233
SubTotal	989,285
BPA Unspecified Purchase	41,826
BPA Total	1,031,111

Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	23,386
Total	23,386

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Bonneville	Water	6,513	6,513
Frederickson Power LP	Natural Gas	7,204	7,204
Nine Canyon	Wind	38,182	38,182
Total		51,899	51,899

Inland Power & Light

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	73.13 %	882,165
Natural Gas	0.00 %	0
Nuclear	9.31 %	112,347
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	13.39 %	161,544
Unspecified	4.17 %	50,276
Total	100.00 %	1,206,332

BPA Claims

Fuel	MWh
Hydro	869,202
Nuclear	112,347
SubTotal	981,549
BPA Unspecified Purchase	41,500
BPA Total	1,023,049

Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	8,777
Total	8,777

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Bonneville Dam Incremental Hydro G1	Water	631	631
Chief Joseph	Water	4,767	4,767
Condon Windpower LLC	Wind	16,670	16,670
Cougar	Water	51	51
FPL Energy Vansycle LLC (WA)	Wind	57,822	57,822
Grand Coulee	Water	6,725	6,725
Hills Creek	Water	74	74
Klondike Wind Power	Wind	8,272	8,272
Klondike Windpower III	Wind	8,126	8,126
Leaning Juniper	Wind	28,000	28,000
Lookout Point	Water	156	156
Marengo Wind Plant	Wind	12,947	12,947
Palisades Dam	Water	559	559
Two Ponds Windfarm	Wind	29,707	29,707
Total		174,507	174,507

Jefferson County PUD #1

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	348,892
Natural Gas	0.00 %	0
Nuclear	10.98 %	45,095
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	16,657
Total	100.00 %	410,644

BPA Claims

Fuel	MWh
Hydro	348,892
Nuclear	45,095
SubTotal	393,987
BPA Unspecified Purchase	16,658
BPA Total	410,645

Kalispel Tribal Utility

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	26,705
Natural Gas	0.00 %	0
Nuclear	10.98 %	3,452
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	1,275
Total	100.00 %	31,432

BPA Claims

Fuel	MWh
Hydro	26,705
Nuclear	3,452
SubTotal	30,157
BPA Unspecified Purchase	1,276
BPA Total	31,433

Kittitas County PUD #1

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.84 %	105,277
Natural Gas	0.00 %	0
Nuclear	10.96 %	13,607
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.20 %	5,215
Total	100.00 %	124,099

BPA Claims

Fuel	MWh
Hydro	105,277
Nuclear	13,607
SubTotal	118,884
BPA Unspecified Purchase	5,028
BPA Total	123,912

Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	189
Total	189

Klickitat County PUD #1

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	71.94 %	381,101
Natural Gas	0.00 %	0
Nuclear	8.42 %	44,610
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	19.64 %	104,016
Total	100.00 %	529,727

BPA Claims

Fuel	MWh
Hydro	345,133
Nuclear	44,610
SubTotal	389,743
BPA Unspecified Purchase	16,478
BPA Total	406,221

Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	87,538
Total	87,538

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
McNary Dam Fish Attraction Project	Water	33,373	33,373
Packwood	Water	2,595	2,595
Total		35,968	35,968

Lakeview Light & Power

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	229,855
Natural Gas	0.00 %	0
Nuclear	10.98 %	29,709
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	10,974
Total	100.00 %	270,538

BPA Claims

Fuel	MWh
Hydro	229,855
Nuclear	29,709
SubTotal	259,564
BPA Unspecified Purchase	10,975
BPA Total	270,539

Lewis County PUD #1

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	79.07 %	785,461
Natural Gas	0.00 %	0
Nuclear	10.19 %	101,253
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.95 %	9,422
Unspecified	9.79 %	97,294
Total	100.00 %	993,430

BPA Claims

Fuel	MWh
Hydro	783,367
Nuclear	101,253
SubTotal	884,620
BPA Unspecified Purchase	37,401
BPA Total	922,021

Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	59,892
Total	59,892

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Burton Creek Hydro	Water	890	890
Nine Canyon	Wind	9,422	9,422
Packwood	Water	1,204	1,204
Total		11,516	11,516

Mason County PUD #1

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	85.94 %	75,839
Natural Gas	0.00 %	0
Nuclear	10.27 %	9,058
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	3.79 %	3,346
Total	100.00 %	88,243

BPA Claims

Fuel	MWh
Hydro	70,083
Nuclear	9,058
SubTotal	79,141
BPA Unspecified Purchase	3,346
BPA Total	82,487

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Lilliwaup Falls Generating	Water	5,756	5,756
Total		5,756	5,756

Mason County PUD #3

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	83.46 %	612,154
Natural Gas	0.00 %	0
Nuclear	10.63 %	77,990
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.01 %	74
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	1.97 %	14,486
Unspecified	3.93 %	28,808
Total	100.00 %	733,512

BPA Claims

Fuel	MWh
Hydro	603,385
Nuclear	77,990
SubTotal	681,375
BPA Unspecified Purchase	28,808
BPA Total	710,183

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Distributed Generation--Solar (WA)	Solar	74	74
Nine Canyon	Wind	6,310	6,310
Packwood	Water	8,769	8,769
White Creek Wind Farm	Wind	8,176	8,176
Total		23,329	23,329

McCleary Light & Power

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	27,920
Natural Gas	0.00 %	0
Nuclear	10.98 %	3,609
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	1,333
Total	100.00 %	32,862

BPA Claims

Fuel	MWh
Hydro	27,920
Nuclear	3,609
SubTotal	31,529
BPA Unspecified Purchase	1,333
BPA Total	32,862

Milton Electric Division

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	49,882
Natural Gas	0.00 %	0
Nuclear	10.98 %	6,447
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	2,382
Total	100.00 %	58,711

BPA Claims

Fuel	MWh
Hydro	49,882
Nuclear	6,447
SubTotal	56,329
BPA Unspecified Purchase	2,381
BPA Total	58,710

Modern Electric Water Company

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	205,282
Natural Gas	0.00 %	0
Nuclear	10.98 %	26,533
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	9,801
Total	100.00 %	241,616

BPA Claims

Fuel	MWh
Hydro	205,282
Nuclear	26,533
SubTotal	231,815
BPA Unspecified Purchase	9,801
BPA Total	241,616

Nespelem Valley Elec Coop

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	57,799
Natural Gas	0.00 %	0
Nuclear	10.98 %	7,471
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	2,760
Total	100.00 %	68,030

BPA Claims

Fuel	MWh
Hydro	57,799
Nuclear	7,471
SubTotal	65,270
BPA Unspecified Purchase	2,761
BPA Total	68,031

Northern Lights (WA)

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	83.38 %	144
Natural Gas	0.00 %	0
Nuclear	10.78 %	19
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	5.84 %	10
Total	100.00 %	173

BPA Claims

Fuel	MWh
Hydro	144
Nuclear	19
SubTotal	163
BPA Unspecified Purchase	7
BPA Total	170

Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	3
Total	3

Ohop Mutual Light

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	84,633
Natural Gas	0.00 %	0
Nuclear	10.98 %	10,939
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	4,041
Total	100.00 %	99,613

BPA Claims

Fuel	MWh
Hydro	84,633
Nuclear	10,939
SubTotal	95,572
BPA Unspecified Purchase	4,041
BPA Total	99,613

Okanogan County Electric Coop

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	83.67 %	64,844
Natural Gas	0.00 %	0
Nuclear	10.82 %	8,381
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	5.51 %	4,270
Total	100.00 %	77,495

BPA Claims

Fuel	MWh
Hydro	64,844
Nuclear	8,381
SubTotal	73,225
BPA Unspecified Purchase	3,096
BPA Total	76,321

Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	1,175
Total	1,175

Okanogan County PUD #1

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	48.17 %	326,979
Natural Gas	0.00 %	0
Nuclear	6.23 %	42,263
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	45.60 %	309,526
Total	100.00 %	678,768

BPA Claims

Fuel	MWh
Hydro	326,979
Nuclear	42,263
SubTotal	369,242
BPA Unspecified Purchase	15,611
BPA Total	384,853

Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	293,915
Total	293,915

Orcas Power & Light Coop

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.12 %	202,366
Natural Gas	0.00 %	0
Nuclear	10.87 %	26,156
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	5.01 %	12,042
Total	100.00 %	240,564

BPA Claims

Fuel	MWh
Hydro	202,366
Nuclear	26,156
SubTotal	228,522
BPA Unspecified Purchase	9,661
BPA Total	238,183

Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	2,379
Total	2,379

Pacific County PUD #2

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	77.56 %	256,929
Natural Gas	0.00 %	0
Nuclear	10.03 %	33,209
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	12.41 %	41,100
Total	100.00 %	331,238

BPA Claims

Fuel	MWh
Hydro	256,929
Nuclear	33,209
SubTotal	290,138
BPA Unspecified Purchase	12,266
BPA Total	302,404

Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	28,832
Total	28,832

Pacific Power (WA)

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	41.12 %	1,779,747
Geothermal	0.48 %	20,639
Hydro	7.61 %	329,330
Natural Gas	17.47 %	755,810
Nuclear	0.07 %	2,882
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.03 %	1,507
Solar	2.11 %	91,109
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	15.77 %	682,606
Unspecified	15.34 %	663,913
Total	100.00 %	4,327,543

BPA Claims

Fuel	MWh
Hydro	22,297
Nuclear	2,882
SubTotal	25,179
BPA Unspecified Purchase	1,064
BPA Total	26,243

Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	662,849
Total	662,849

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Adams Solar Center	Solar	4,816	4,816
Ashton	Water	2,201	2,201
Bear Creek Solar Center	Solar	5,024	5,024
Bend	Water	2	2
Big Fork	Water	2,074	2,074
Blundell	Geothermal	20,639	20,639
Bly Solar Center	Solar	4,421	4,421
Campbell Hill Windpower	Wind	25,017	25,017
Cedar Springs I	Wind	64,651	64,651
Cedar Springs II	Wind	47,520	47,520
Cedar Springs III	Wind	44,738	44,738
Chehalis Generating Facility	Natural Gas	445,569	
	Distillate Fuel Oil	0	445,569
Clearwater 1	Water	1,873	1,873
Clearwater 2	Water	1,571	1,571
Colstrip	Subbituminous Coal	124,110	
	Waste/Other Oil	0	
	Distillate Fuel Oil	58	124,168
Copco 1	Water	5,076	5,076
Copco 2	Water	6,037	6,037
Cutler Hydro	Water	2,056	2,056
Dunlap	Wind	36,998	36,998
Eagle Point	Water	1,070	1,070
Ekola Flats	Wind	63,441	63,441

Elbe Solar Center	Solar	4,898	4,898
Enterprise Solar, LLC	Solar	49,691	49,691
Fall Creek	Water	474	474
Fish Creek	Water	1,681	1,681
Foote Creek I	Wind	16,437	16,437
Glenrock	Wind	35,563	35,563
Goodnoe Hills	Wind	20,928	20,928
Grace	Water	3,554	3,554
Granite	Water	272	272
Gunlock	Water	54	54
Hermiston Generating Plant	Natural Gas	310,241	310,241
High Plains	Wind	30,233	30,233
Iron Gate	Water	6,079	6,079
Jim Bridger	Subbituminous Coal	1,655,638	
	Distillate Fuel Oil	1,448	1,657,086
John C Boyle	Water	12,368	12,368
Last Chance	Water	273	273
Leaning Juniper	Wind	19,953	19,953
Lemolo 1	Water	8,194	8,194
Lemolo 2	Water	8,554	8,554
Marengo Wind Plant	Wind	46,310	46,310
McFadden Ridge	Wind	9,111	9,111
Merwin	Water	38,350	38,350
Oneida	Water	2,064	2,064
Paris	Water	74	74
Pavant Solar, LLC	Solar	22,259	22,259
Pioneer	Water	619	619
Priest Rapids	Water	77,016	77,016
Prospect 1	Water	17	17
Prospect 2	Water	12,720	12,720
Rolling Hills	Wind	22,548	22,548
Sand Cove	Water	47	47
Seven Mile Hill	Wind	39,363	39,363
Slide Creek	Water	4,058	4,058
Soda	Water	1,222	1,222
Soda Springs	Water	3,442	3,442
Stairs	Water	270	270
Swift 1	Water	33,495	33,495
TB Flats	Wind	117,241	117,241
Toketee Falls	Water	14,434	14,434
Top of the World Windpower Project	Wind	31,063	31,063
Viva Naughton	Water	33	33
Wallowa Falls	Water	133	133
Wanapum	Water	20,089	20,089
Weber	Water	707	707
Wolverine Creek	Wind	11,491	11,491
Yale	Water	34,780	34,780
Total		3,638,451	3,638,451

Parkland Light & Water

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	102,150
Natural Gas	0.00 %	0
Nuclear	10.98 %	13,203
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	4,877
Total	100.00 %	120,230

BPA Claims

Fuel	MWh
Hydro	102,150
Nuclear	13,203
SubTotal	115,353
BPA Unspecified Purchase	4,878
BPA Total	120,231

Pend Oreille County PUD #1

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	34.46 %	177,523
Natural Gas	0.00 %	0
Nuclear	4.45 %	22,945
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	61.09 %	314,707
Total	100.00 %	515,175

BPA Claims

Fuel	MWh
Hydro	177,523
Nuclear	22,945
SubTotal	200,468
BPA Unspecified Purchase	8,476
BPA Total	208,944

Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	306,233
Total	306,233

Peninsula Light

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.42 %	561,502
Natural Gas	0.00 %	0
Nuclear	10.73 %	71,362
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.89 %	5,940
Unspecified	3.96 %	26,360
Total	100.00 %	665,164

BPA Claims

Fuel	MWh
Hydro	552,106
Nuclear	71,362
SubTotal	623,468
BPA Unspecified Purchase	26,359
BPA Total	649,827

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Bonneville Dam Incremental Hydro G1	Water	752	752
Chief Joseph	Water	3,387	3,387
Condon Windpower LLC	Wind	516	516
Cougar	Water	30	30
FPL Energy Vansycle LLC (WA)	Wind	1,680	1,680
Grand Coulee	Water	4,713	4,713
Harvest Wind Project	Wind	2,367	2,367
Hills Creek	Water	45	45
Klondike Wind Power	Wind	171	171
Klondike Windpower III	Wind	1,206	1,206
Lookout Point	Water	107	107
Palisades Dam	Water	362	362
Total		15,336	15,336

Port Angeles Light Operations

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	353,666
Natural Gas	0.00 %	0
Nuclear	10.98 %	45,712
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	16,885
Total	100.00 %	416,263

BPA Claims

Fuel	MWh
Hydro	353,666
Nuclear	45,712
SubTotal	399,378
BPA Unspecified Purchase	16,885
BPA Total	416,263

Port of Seattle

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	121,752
Natural Gas	0.00 %	0
Nuclear	10.98 %	15,737
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	5,813
Total	100.00 %	143,302

BPA Claims

Fuel	MWh
Hydro	121,752
Nuclear	15,737
SubTotal	137,489
BPA Unspecified Purchase	5,813
BPA Total	143,302

Puget Sound Energy

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.22 %	49,598
Biomass	0.43 %	97,985
Coal	23.10 %	5,226,971
Geothermal	0.02 %	5,000
Hydro	26.53 %	6,003,382
Natural Gas	22.97 %	5,199,138
Nuclear	0.35 %	78,749
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.10 %	22,501
Solar	0.78 %	176,020
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	15.73 %	3,559,155
Unspecified	9.77 %	2,211,216
Total	100.00 %	22,629,715

BPA Claims

Fuel	MWh
Hydro	609,260
Nuclear	78,749
SubTotal	688,009
BPA Unspecified Purchase	29,088
BPA Total	717,097

Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	2,182,127
Total	2,182,127

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
3 Bar G Wind Turbine #3	Wind	140	140
Ashtabula Wind II LLC	Wind	17,126	17,126
Bennett Creek Windfarm LLC - Mountain Home	Wind	9,983	9,983
Black Cap Solar Plant	Solar	7,585	7,585
Black Creek	Water	5,154	5,154
Bridge River	Water	48	48
Camp Reed	Wind	47,547	47,547
Carousel Wind Farm LLC	Wind	7,730	7,730
Cassia Wind	Wind	782	782
Chopin Wind LLC	Wind	7,632	7,632
Clover Creek Solar Community Solar	Solar	250	250
Cold Springs Windfarm	Wind	7,047	7,047
Colstrip	Waste/Other Oil	0	
	Subbituminous Coal	2,356,665	
	Distillate Fuel Oil	1,107	2,357,772
Condon Windpower LLC	Wind	2,145	2,145
Cosmo Specialty Fibers Inc.	Wood/Wood Waste Solids	52,858	52,858
Crystal Mountain	Distillate Fuel Oil	710	710
Desert Meadow Windfarm	Wind	7,047	7,047
Distributed Generation--Biomass (WA)	Wood/Wood Waste Solids	4,404	4,404
Distributed Generation--Solar (WA)	Solar	465	465
Encogen	Natural Gas	369,027	

	Distillate Fuel Oil	1	369,028
Escalante Solar I, LLC	Solar	60	60
Escalante Solar II, LLC	Solar	38,049	38,049
Escalante Solar III, LLC	Solar	34,161	34,161
Ferndale Generating Station	Natural Gas	840,645	
	Distillate Fuel Oil	9,605	850,250
Finley Buttes Landfill Gas	Landfill Gas	20,000	20,000
First Up Knudson Wind Turbine	Wind	147	147
FPL Energy Ashtabula Wind LLC	Wind	18,874	18,874
FPL Energy Vansycle LLC (WA)	Wind	17,241	17,241
Frederickson	Natural Gas	42,929	
	Distillate Fuel Oil	16	42,945
Frederickson Power LP	Natural Gas	542,718	542,718
Fredonia	Distillate Fuel Oil	2,334	
	Natural Gas	233,956	236,290
GM Shrum	Water	550,901	550,901
Golden Valley Wind Park LLC	Wind	8,707	8,707
Goldendale Generating Station	Natural Gas	1,376,324	1,376,324
Goodnoe Hills	Wind	7,017	7,017
Granite Mountain Solar East, LLC	Solar	25,000	25,000
Granite Mountain Solar West, LLC	Solar	15,000	15,000
Grazing Yak Solar	Solar	58	58
Hammett Hill Windfarm	Wind	7,047	7,047
Hidden Hollow Energy	Landfill Gas	25,987	25,987
Hopkins Ridge Wind	Wind	793,668	793,668
Horse Butte Wind I, LLC	Wind	61,476	61,476
Horseshoe Bend Wind Park	Wind	12,561	12,561
Juniper Canyon I Wind Project	Wind	331,325	331,325
Klondike Wind Power	Wind	8,119	8,119
Klondike Windpower III	Wind	154,247	154,247
Koma Kulshan	Water	26,155	26,155
Kootenay	Water	1,173	1,173
Langdon Wind II LLC	Wind	25,000	25,000
Leaning Juniper Wind Power II	Wind	93,863	93,863
Lower Baker	Water	108,641	108,641
Lower Snake River Wind Energy Project	Wind	710,777	710,777
LRI LFGTE Facility	Landfill Gas	1,250	1,250
Lund Hill Solar	Solar	0	0
Mainline Windfarm	Wind	7,047	7,047
Marengo Wind Plant	Wind	10,937	10,937
Meadow Creek Project Company	Wind	95,834	95,834
MIC	Water	182,306	182,306
Mint Farm Generating Station	Natural Gas	1,388,114	1,388,114
Mountain Home	Wind	5,598	5,598
Mt. Home Solar 1, LLC	Solar	9,977	9,977
Neal Hot Springs Geothermal Project	Geothermal	5,000	5,000
Nine Canyon	Wind	125,468	125,468
Niyol Wind, LLC	Wind	2,592	2,592
Nooksack Hydro	Water	13,214	13,214
Oregon Trail Wind Park	Wind	27,094	27,094
Palmer Solar	Solar	17,106	17,106

PaTu Wind Farm LLC	Wind	26,276	26,276
Peace Canyon	Water	191	191
Penstemon Solar Project	Solar	10,069	10,069
Plummer Cogen	Wood/Wood Waste Solids	25,723	25,723
Priest Rapids	Water	201,705	201,705
Rattlesnake Flat	Wind	53,615	53,615
Revelstoke	Water	97,969	97,969
Rock Island	Water	599,108	599,108
Rocky Reach	Water	1,625,021	1,625,021
Rolling Hills	Wind	15,000	15,000
Roseburg LFG	Landfill Gas	2,361	2,361
Ryegrass Windfarm	Wind	7,047	7,047
Salmon Falls Wind Park	Wind	22,158	22,158
Sawtooth Wind Project	Wind	57,727	57,727
Selis Ksanka Qlispe	Water	302,943	302,943
Seven Mile	Water	11,368	11,368
Seven Mile Hill	Wind	5,693	5,693
Skookumchuck	Water	4,158	4,158
Skookumchuck Wind Facility	Wind	0	0
Snoqualmie	Water	5,013	5,013
Snoqualmie 2	Water	14,775	14,775
South Peak Wind	Wind	90,338	90,338
Spanish Fork	Water	3,162	3,162
Spring Canyon Expansion Wind Energy Ctr	Wind	24,952	24,952
Stoltze CoGen1	Wood/Wood Waste Solids	15,000	15,000
Sumas Power Plant	Natural Gas	396,865	396,865
Swauk Wind LLC	Wind	9,842	9,842
Sygitowicz Creek	Water	487	487
Thousand Springs Wind Park	Wind	8,681	8,681
Top of the World Windpower Project	Wind	21,727	21,727
Transalta Centralia Generation	Distillate Fuel Oil	7,474	
	Refined Coal	0	
	Waste/Other Coal	0	
	Subbituminous Coal	2,870,306	2,877,780
Tuana Gulch Wind Park	Wind	9,587	9,587
Tuana Springs	Wind	40,105	40,105
Twin Falls Hydro	Water	60,756	60,756
Two Ponds Windfarm	Wind	7,047	7,047
Upper Baker	Water	231,822	231,822
Utah Red Hills Renewable Energy Park	Solar	11,500	11,500
Wanapum	Water	200,079	200,079
Weeks Falls	Water	10,763	10,763
Wells	Water	1,137,210	1,137,210
White Creek Wind Farm	Wind	4,124	4,124
Whitehorn	Natural Gas	8,560	
	Distillate Fuel Oil	1,254	9,814
Wild Horse	Wind	492,759	
	Solar	486	493,245
Woodline Solar	Solar	6,254	6,254
Yahoo Creek	Wind	30,659	30,659
Total		19,730,490	19,730,490

Puget Sound Energy Green Direct Program

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	0.00 %	0
Natural Gas	0.00 %	0
Nuclear	0.00 %	0
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	2.15 %	7,683
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	97.85 %	349,814
Unspecified	0.00 %	0
Total	100.00 %	357,497

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Lund Hill Solar	Solar	7,683	7,683
Skookumchuck Wind Facility	Wind	349,814	349,814
Total		357,497	357,497

Richland Energy Services

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	78.66 %	805,139
Natural Gas	0.00 %	0
Nuclear	10.17 %	104,067
Other Biogenic	0.00 %	0
Other Non-Biogenic	-0.02 %	-237
Petroleum	0.00 %	0
Solar	0.59 %	6,085
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	10.60 %	108,519
Total	100.00 %	1,023,573

BPA Claims

Fuel	MWh
Hydro	805,139
Nuclear	104,067
SubTotal	909,206
BPA Unspecified Purchase	38,440
BPA Total	947,646

Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	70,078
Total	70,078

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Horn Rapids Solar, Storage and Training	Solar	6,085	
	Electricity for Energy Storage	-237	5,848
Total		5,848	5,848

Ruston, Town of

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.28 %	28
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	80.10 %	8,153
Natural Gas	0.00 %	0
Nuclear	6.06 %	616
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	2.28 %	232
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	9.04 %	920
Unspecified	2.24 %	228
Total	100.00 %	10,177

BPA Claims

Fuel	MWh
Hydro	4,769
Nuclear	616
SubTotal	5,385
BPA Unspecified Purchase	228
BPA Total	5,613

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Alder	Water	235	235
Benson Creek Windfarm (Burnt River)	Wind	68	68
Bonneville	Water	9	9
Burley Butte Windpark	Wind	132	132
Chief Joseph	Water	39	39
Condon Windpower LLC	Wind	17	17
Cushman 1	Water	90	90
Cushman 2	Water	142	142
Distributed Generation--Solar (WA)	Solar	1	1
Durbin Creek Windfarm (Burnt River)	Wind	60	60
Eagle Point Solar	Solar	38	38
FPL Energy Vansycle LLC (WA)	Wind	32	32
Grand Coulee	Water	54	54
Grand Coulee Project Hydro Authority	Water	297	297
ID Solar	Solar	121	121
Jett Creek Windfarm (Burnt River)	Wind	60	60
Klondike Wind Power	Wind	10	10
Klondike Windpower III	Wind	39	39
LaGrande	Water	382	382
Lookout Point	Water	1	1
Mayfield	Water	854	854
Milner Dam Wind Park LLC	Wind	89	89

Mossyrock	Water	1,217	1,217
NorWest Energy 4, LLC	Solar	23	23
NorWest Energy 9 LLC	Solar	49	49
Palisades Dam	Water	4	4
Payne's Ferry	Wind	135	135
Pilgrim Stage Wind Park	Wind	73	73
Plummer Cogen	Wood/Wood Waste Solids	28	28
Priest Rapids	Water	15	15
Prospector Windfarm (Burnt River)	Wind	64	64
Wanapum	Water	19	19
White Creek Wind Farm	Wind	72	72
Willow Spring Windfarm (Burnt River)	Wind	69	69
Wynoochee	Water	26	26
Total		4,564	4,564

Seattle City Light

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	1.07 %	104,769
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	88.01 %	8,616,576
Natural Gas	0.00 %	0
Nuclear	4.16 %	407,442
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	5.22 %	511,269
Unspecified	1.54 %	150,501
Total	100.00 %	9,790,557

BPA Claims

Fuel	MWh
Hydro	3,152,271
Nuclear	407,442
SubTotal	3,559,713
BPA Unspecified Purchase	150,501
BPA Total	3,710,214

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Bonneville	Water	5,456	5,456
Boundary	Water	3,034,694	3,034,694
Camp Reed	Wind	32,028	32,028
Cedar Falls (WA)	Water	78,918	78,918
Chief Joseph	Water	24,678	24,678
Condon Windpower LLC	Wind	21,008	21,008
Cougar	Water	239	239
Diablo	Water	559,398	559,398
Eltopia Branch Canal 4.6	Water	4,036	4,036
FPL Energy Vansycle LLC (OR)	Wind	263,243	263,243
FPL Energy Vansycle LLC (WA)	Wind	12,242	12,242
Golden Valley Wind Park LLC	Wind	13,310	13,310
Gorge	Water	939,061	939,061
Grand Coulee	Water	34,309	34,309
Hills Creek	Water	290	290
Klondike Wind Power	Wind	1,246	1,246
Klondike Windpower III	Wind	8,758	8,758
Lookout Point	Water	798	798
Main Canal Headworks	Water	50,117	50,117
Oregon Trail Wind Park	Wind	17,257	17,257
Palisades Dam	Water	2,613	2,613
PaTu Wind Farm LLC	Wind	25,626	25,626
Potholes East Canal 66.0	Water	3,103	3,103
Priest Rapids	Water	17,499	17,499

Roseburg LFG	Landfill Gas	7,711	7,711
Ross	Water	451,771	451,771
Russell D Smith	Water	4,893	4,893
Salmon Falls Wind Park	Wind	28,840	28,840
Sawtooth Wind Project	Wind	55,154	55,154
South Fork Tolt	Water	55,544	55,544
Summer Falls Power Plant	Water	187,617	187,617
Thousand Springs Wind Park	Wind	2,500	2,500
Tuana Springs	Wind	30,057	30,057
Wanapum	Water	9,271	9,271
Waste Management Columbia Ridge LFGTE	Landfill Gas	86,934	86,934
West Point Treatment Plant	Natural Gas	0	
	Other Biomass Gas	10,124	10,124
Total		6,080,343	6,080,343

Skamania County PUD #1

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	122,753
Natural Gas	0.00 %	0
Nuclear	10.98 %	15,866
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	5,861
Total	100.00 %	144,480

BPA Claims

Fuel	MWh
Hydro	122,753
Nuclear	15,866
SubTotal	138,619
BPA Unspecified Purchase	5,862
BPA Total	144,481

Snohomish County PUD #1

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.04 %	3,088
Biomass	0.79 %	55,165
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	74.63 %	5,244,037
Natural Gas	0.00 %	0
Nuclear	9.45 %	664,225
Other Biogenic	0.08 %	5,566
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	3.32 %	233,121
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	8.20 %	576,444
Unspecified	3.49 %	245,352
Total	100.00 %	7,026,998

BPA Claims

Fuel	MWh
Hydro	5,138,940
Nuclear	664,225
SubTotal	5,803,165
BPA Unspecified Purchase	245,351
BPA Total	6,048,516

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Bonneville	Water	8,331	8,331
Chief Joseph	Water	37,638	37,638
Condon Windpower LLC	Wind	16,804	16,804
Cosmo Specialty Fibers Inc.	Wood/Wood Waste Solids	5,614	5,614
Cougar	Water	357	357
Distributed Generation--Solar (OR)	Solar	211,715	211,715
Distributed Generation--Solar (WA)	Solar	18,266	18,266
FPL Energy Vansycle LLC (WA)	Wind	39,567	39,567
Grand Coulee	Water	52,325	52,325
Hampton Lumber Mill	Wood/Wood Waste Solids	30,654	30,654
Hay Canyon Wind Power LLC	Wind	207,508	207,508
Hidden Hollow Energy	Landfill Gas	3,088	3,088
Hills Creek	Water	446	446
Klondike Wind Power	Wind	7,343	7,343
Klondike Windpower III	Wind	29,578	29,578
Lookout Point	Water	1,210	1,210
Mt. Home Solar 1, LLC	Solar	3,140	3,140
Palisades Dam	Water	3,991	3,991
Plummer Cogen	Wood/Wood Waste Solids	9,035	9,035
Qualco Energy	Other Biomass Solids	5,566	5,566
Sierra Pacific Burlington Facility	Wood/Wood Waste Solids	9,862	9,862
Wheat Field Wind Power Project	Wind	218,980	218,980
White Creek Wind Farm	Wind	56,664	56,664
Woods Creek	Water	799	799

Total		978,481	978,481
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Steilacoom Electric Utility

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	34,459
Natural Gas	0.00 %	0
Nuclear	10.98 %	4,454
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	1,645
Total	100.00 %	40,558

BPA Claims

Fuel	MWh
Hydro	34,459
Nuclear	4,454
SubTotal	38,913
BPA Unspecified Purchase	1,644
BPA Total	40,557

Sumas, City of

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	28,426
Natural Gas	0.00 %	0
Nuclear	10.98 %	3,674
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	1,357
Total	100.00 %	33,457

BPA Claims

Fuel	MWh
Hydro	28,426
Nuclear	3,674
SubTotal	32,100
BPA Unspecified Purchase	1,358
BPA Total	33,458

Tacoma Power

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.27 %	13,522
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	80.11 %	3,953,032
Natural Gas	0.00 %	0
Nuclear	6.05 %	298,796
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	2.27 %	111,947
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	9.06 %	447,072
Unspecified	2.24 %	110,370
Total	100.00 %	4,934,739

BPA Claims

Fuel	MWh
Hydro	2,311,706
Nuclear	298,796
SubTotal	2,610,502
BPA Unspecified Purchase	110,369
BPA Total	2,720,871

Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Alder	Water	114,139	114,139
Benson Creek Windfarm (Burnt River)	Wind	33,190	33,190
Bonneville	Water	4,181	4,181
Burley Butte Windpark	Wind	64,193	64,193
Chief Joseph	Water	18,922	18,922
Condon Windpower LLC	Wind	8,350	8,350
Cougar	Water	182	182
Cushman 1	Water	43,574	43,574
Cushman 2	Water	68,764	68,764
Distributed Generation--Solar (WA)	Solar	339	339
Durbin Creek Windfarm (Burnt River)	Wind	29,187	29,187
Eagle Point Solar	Solar	18,234	18,234
FPL Energy Vansycle LLC (WA)	Wind	15,756	15,756
Grand Coulee	Water	26,293	26,293
Grand Coulee Project Hydro Authority	Water	143,870	143,870
Hills Creek	Water	223	223
ID Solar	Solar	58,666	58,666
Jett Creek Windfarm (Burnt River)	Wind	28,925	28,925
Klondike Wind Power	Wind	5,050	5,050
Klondike Windpower III	Wind	18,949	18,949
LaGrande	Water	185,012	185,012
Lookout Point	Water	610	610

Mayfield	Water	414,253	414,253
Milner Dam Wind Park LLC	Wind	43,353	43,353
Mossyrock	Water	589,972	589,972
NorWest Energy 4, LLC	Solar	11,364	11,364
NorWest Energy 9 LLC	Solar	23,344	23,344
Palisades Dam	Water	2,004	2,004
Payne's Ferry	Wind	65,524	65,524
Pilgrim Stage Wind Park	Wind	35,324	35,324
Plummer Cogen	Wood/Wood Waste Solids	13,522	13,522
Priest Rapids	Water	7,242	7,242
Prospector Windfarm (Burnt River)	Wind	30,867	30,867
Wanapum	Water	9,385	9,385
White Creek Wind Farm	Wind	35,124	35,124
Willow Spring Windfarm (Burnt River)	Wind	33,280	33,280
Wynoochee	Water	12,700	12,700
Total		2,213,867	2,213,867

Tanner Electric Coop

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	88,636
Natural Gas	0.00 %	0
Nuclear	10.98 %	11,456
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	4,232
Total	100.00 %	104,324

BPA Claims

Fuel	MWh
Hydro	88,636
Nuclear	11,456
SubTotal	100,092
BPA Unspecified Purchase	4,233
BPA Total	104,325

Vera Water & Power

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	80.66 %	199,935
Natural Gas	0.00 %	0
Nuclear	10.43 %	25,842
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	8.91 %	22,094
Total	100.00 %	247,871

BPA Claims

Fuel	MWh
Hydro	199,935
Nuclear	25,842
SubTotal	225,777
BPA Unspecified Purchase	9,547
BPA Total	235,324

Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	12,549
Total	12,549

Wahkiakum County PUD #1

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	41,886
Natural Gas	0.00 %	0
Nuclear	10.98 %	5,414
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	2,000
Total	100.00 %	49,300

BPA Claims

Fuel	MWh
Hydro	41,886
Nuclear	5,414
SubTotal	47,300
BPA Unspecified Purchase	2,000
BPA Total	49,300

Whatcom County PUD #1

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	181,625
Natural Gas	0.00 %	0
Nuclear	10.98 %	23,476
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	8,671
Total	100.00 %	213,772

BPA Claims

Fuel	MWh
Hydro	181,625
Nuclear	23,476
SubTotal	205,101
BPA Unspecified Purchase	8,671
BPA Total	213,772

Yakama Power

Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.96 %	127,513
Natural Gas	0.00 %	0
Nuclear	10.98 %	16,482
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	4.06 %	6,088
Total	100.00 %	150,083

BPA Claims

Fuel	MWh
Hydro	127,513
Nuclear	16,482
SubTotal	143,995
BPA Unspecified Purchase	6,089
BPA Total	150,084

