

# Washington Electric Utility 2022 Fuel Mix Disclosure Report



Department of Commerce

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# Acknowledgements

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# Forward

The Washington Fuel Mix Disclosure process is designed to provide utilities with an assessment of the mix of fuel sources associated with the generation of the electricity used to serve their customers. 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](mailto:energydata@commerce.wa.gov).

# About Fuel Mix

[RCW 19.29A](#) 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 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 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). [RCW 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, 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. 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 reports

In 2019 the Legislature enacted [Engrossed Substitute House Bill 1428](#) to reform the fuel mix statute ([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-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/](http://www.eia.gov/electricity/data/eia923/).

Washington 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 developed a 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 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. The Northwest Power Pool (NWPP) Generation Mix information is presented next. Following these tables and figures is a full description of the fuel mix for each electric utility in the state.

### **Glossary**

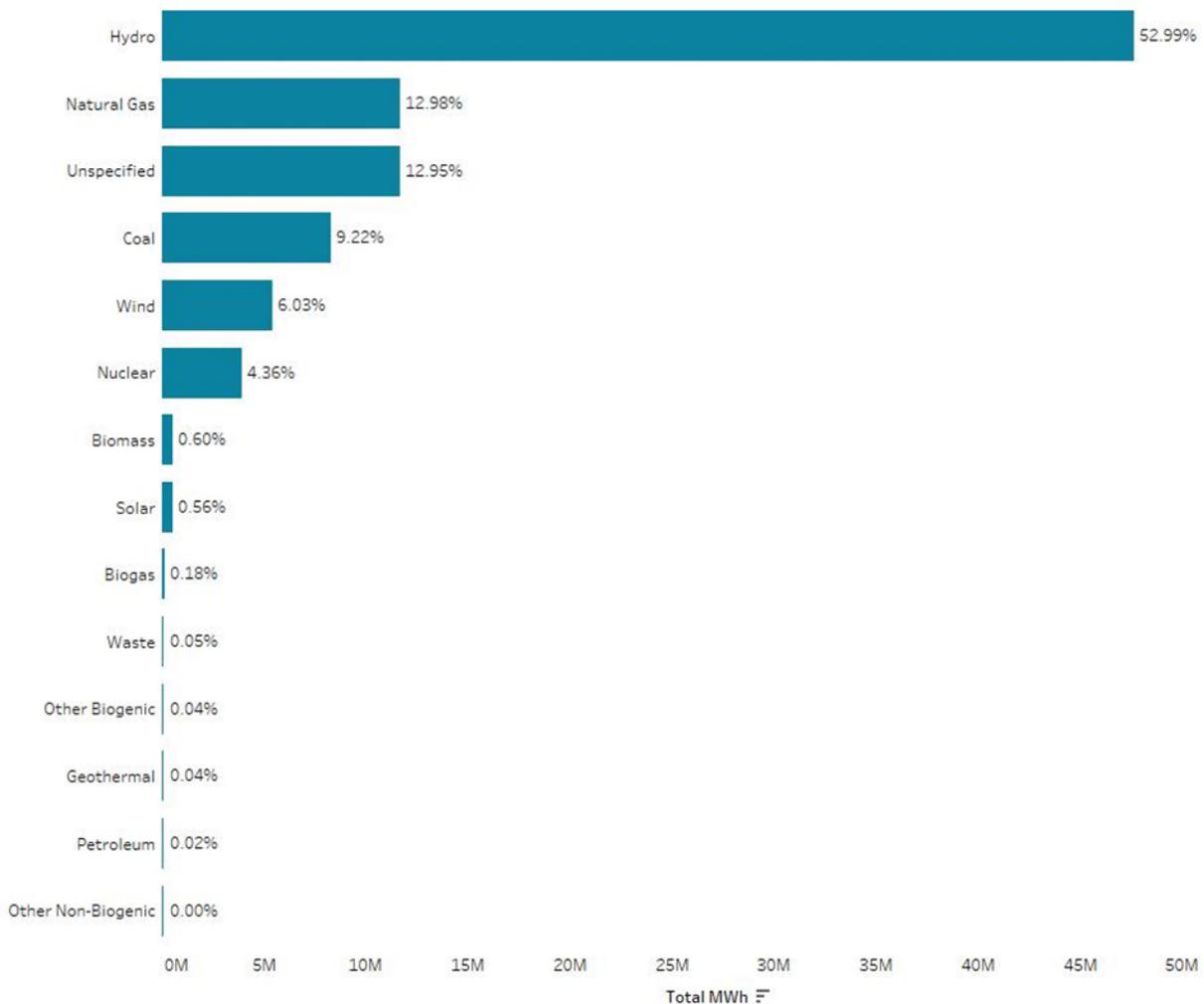
- “Claims on resources” refers to power obtained from specific generation facilities, with fuel source information obtained from the U.S. Energy Information Administration.
- “Unspecified power purchase” refers to power purchases where the generation facility and fuel source information is not known.
- “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 2021. Hydropower (52.99%) is the largest primary fuel used to produce electricity in the state. Natural gas is the second largest category (12.98%), followed by unspecified power (12.95%) and coal (9.22%). Table 1 lists the electricity fuel sources by MWh and percent.

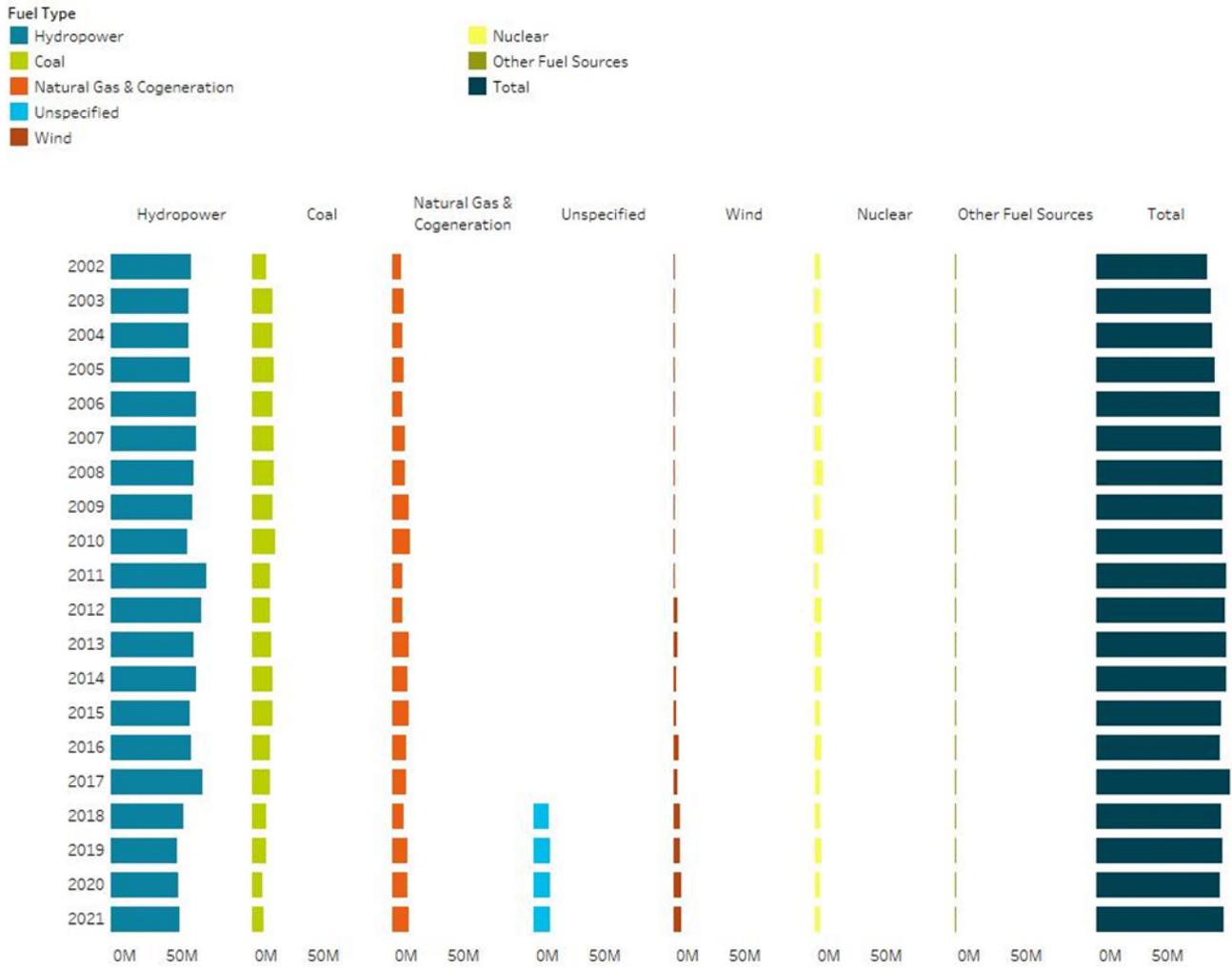
**Figure 1: 2021 Aggregate Fuel Mix for Washington Electric Utilities**



**Table 1: 2021 Aggregate Fuel Mix for Washington Electric Utilities**

Fuel type	Total electric power MWh	Share of total
Hydro	47,662,926	52.99%
Natural gas	11,676,676	12.98%
Unspecified power	11,645,475	12.95%
Coal	8,289,597	9.22%
Wind	5,425,544	6.03%
Nuclear	3,920,113	4.36%
Biomass	537,485	0.60%
Solar	507,747	0.56%
Biogas	159,621	0.18%
Waste	41,106	0.05%
Other biogenic	36,268	0.04%
Geothermal	36,131	0.04%
Petroleum	14,787	0.02%

Figure 2: Aggregate Fuel Mix Time Series (MWh) for Washington Electric Utilities<sup>1</sup>



<sup>1</sup> As described above, the method of reporting claims on unspecified sources changed in 2018. Before 2018, 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**

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Hydropower	56,340K	53,850K	54,132K	55,342K	59,610K	59,204K	58,236K	57,215K	53,412K	66,847K	
Natural Gas	2,634K	4,371K	4,662K	5,325K	4,553K	6,302K	7,386K	9,979K	10,476K	5,684K	
Unspecified											
Coal	10,076K	14,336K	14,459K	14,860K	14,245K	14,867K	15,035K	14,673K	15,955K	12,901K	
Wind	163K	321K	346K	433K	867K	546K	1,011K	588K	567K	1,018K	
Nuclear	3,859K	3,726K	4,591K	4,404K	4,513K	4,326K	5,084K	3,654K	5,431K	2,390K	
Biomass	392K	435K	537K	587K	393K	461K	415K	445K	492K	447K	
Solar											
Landfill Gas	221K	75K	134K	81K	58K	49K	23K	16K	19K	49K	
Waste	23K	139K	103K	151K	332K	289K	277K	296K	333K	337K	
Other	234K	7K	37K	31K	11K	13K	19K	29K	29K	27K	
Geothermal					14K	11K	17K	19K	17K	18K	
Petroleum	22K	35K	53K	44K	62K	69K	70K	94K	81K	69K	
Cogeneration	3,972K	3,590K	2,717K	2,661K	2,767K	2,157K	1,635K	1,867K	1,732K	1,319K	
<b>Total</b>	<b>77,937K</b>	<b>80,886K</b>	<b>81,772K</b>	<b>83,919K</b>	<b>87,425K</b>	<b>88,294K</b>	<b>89,207K</b>	<b>88,876K</b>	<b>88,544K</b>	<b>91,106K</b>	
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Hydropower	66,847K	62,985K	58,074K	59,724K	55,307K	55,698K	63,645K	50,289K	46,496K	47,491K	47,663K
Natural Gas	5,684K	6,953K	10,823K	9,516K	11,808K	9,937K	10,182K	7,655K	10,878K	10,402K	11,677K
Unspecified								11,158K	12,063K	11,442K	11,645K
Coal	12,901K	12,149K	13,520K	14,027K	14,389K	12,800K	12,593K	9,556K	10,069K	7,385K	8,290K
Wind	1,018K	3,011K	2,859K	2,220K	2,029K	3,661K	2,674K	4,275K	4,145K	5,181K	5,426K
Nuclear	2,390K	4,239K	4,248K	4,617K	4,022K	4,309K	3,942K	3,791K	4,051K	3,755K	3,920K
Biomass	447K	311K	261K	300K	401K	676K	562K	418K	440K	482K	537K
Solar		1K	2K	7K	9K	3K	3K	273K	273K	289K	508K
Landfill Gas	49K	84K	61K	104K	133K	148K	122K	185K	182K	134K	160K
Waste	337K	303K	222K	204K	36K	37K	35K	36K	38K	43K	41K
Other	27K	36K	40K	60K	123K	122K	172K	43K	36K	37K	36K
Geothermal	18K	17K	16K	18K	16K			4K	4K	22K	36K
Petroleum	69K	68K	65K	60K	47K	62K	103K	16K	13K	11K	15K
Cogeneration	1,319K	487K	1,127K	927K							
<b>Total</b>	<b>91,106K</b>	<b>90,644K</b>	<b>91,317K</b>	<b>91,783K</b>	<b>88,320K</b>	<b>87,453K</b>	<b>94,033K</b>	<b>87,697K</b>	<b>88,689K</b>	<b>86,673K</b>	<b>89,953K</b>

Commerce uses the fuel mix data to estimate aggregate carbon dioxide emissions from electricity consumed by Washington customers. This information is used by the Department of Ecology in its statewide inventory of greenhouse gases. Table 3 presents the statewide electric consumption emissions for 2021 by fuel category. Total sulfur dioxide, nitrogen oxide and mercury emissions are shown at the bottom of the table. Figure 3 below presents the carbon dioxide emissions information in chart format. Emissions from coal-fired generation dominate Washington's electric sector carbon dioxide emissions. Figure 4 illustrates historical aggregate CO2 emissions for the electric sector.

**Table 3: 2021 Aggregate CO2 Emissions by Fuel Type for Washington Electric Utilities**

Fuel type	Short tons	Metric tons
Coal	14,447,505	13,110,258
Natural gas	6,870,753	6,234,803
Other biogenic/non-biogenic	113,304	102,817
Waste	131,705	119,427
Landfill gas	93,274	84,641
Petroleum	101,931	92,496
Total	21,758,508	19,744,563

Other emissions	Short tons	Metric Tons
Sulfur dioxide	39,334	35,694
Nitrogen oxides	33,592	30,482
Mercury (not measured in tons)	315 pounds	

Figure 3: 2021 Aggregate CO2 Emissions by Fuel Type for Washington Electric Utilities

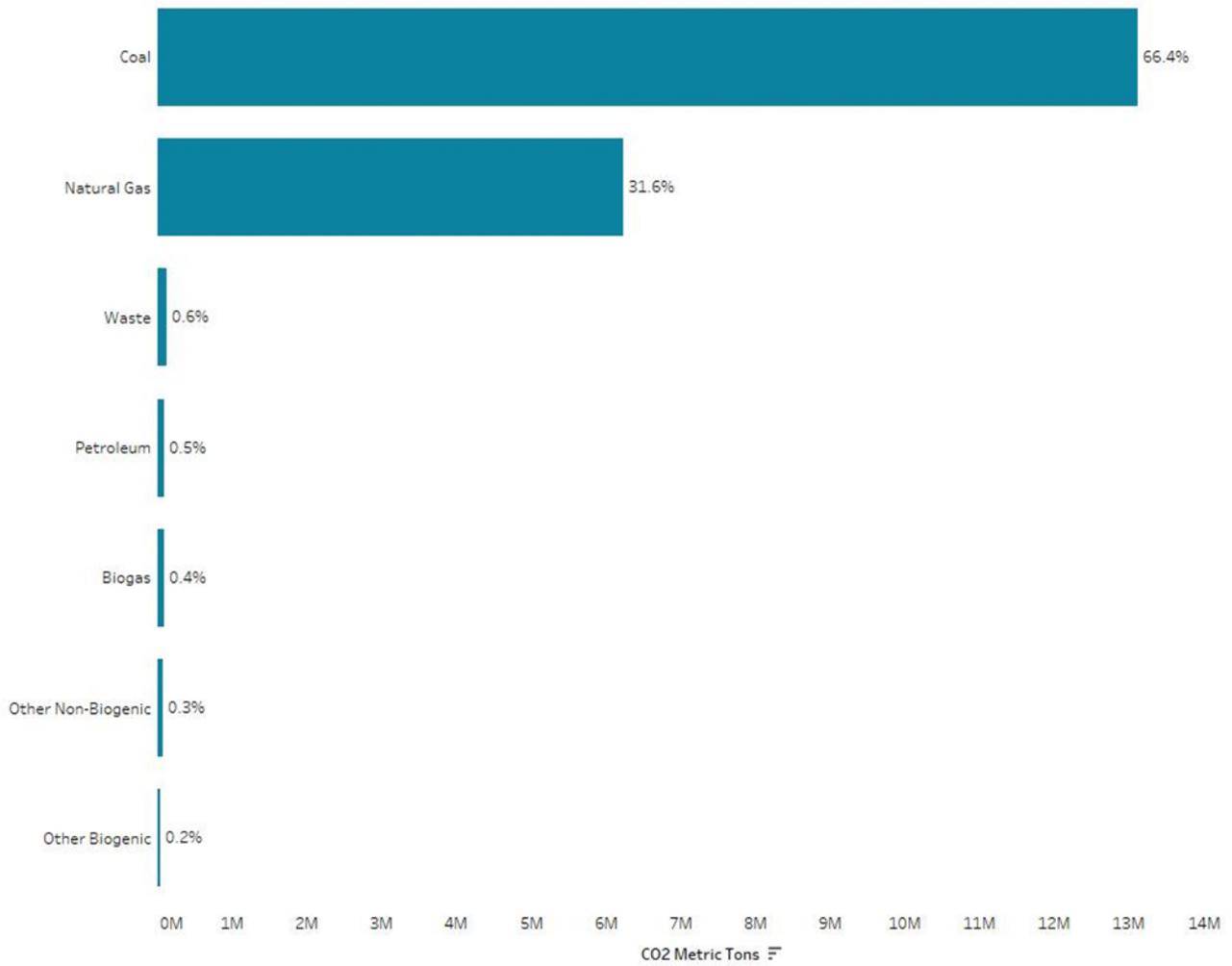
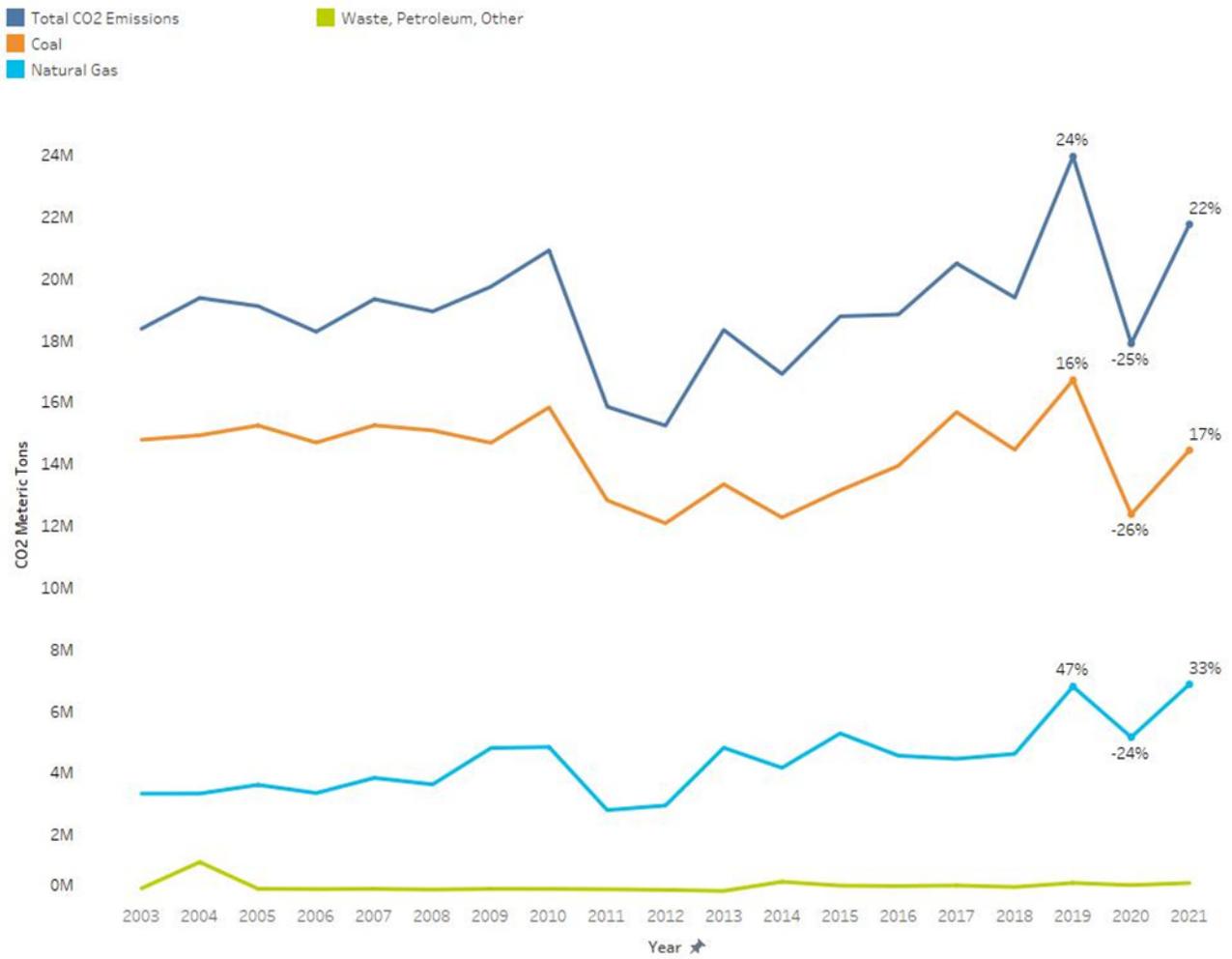


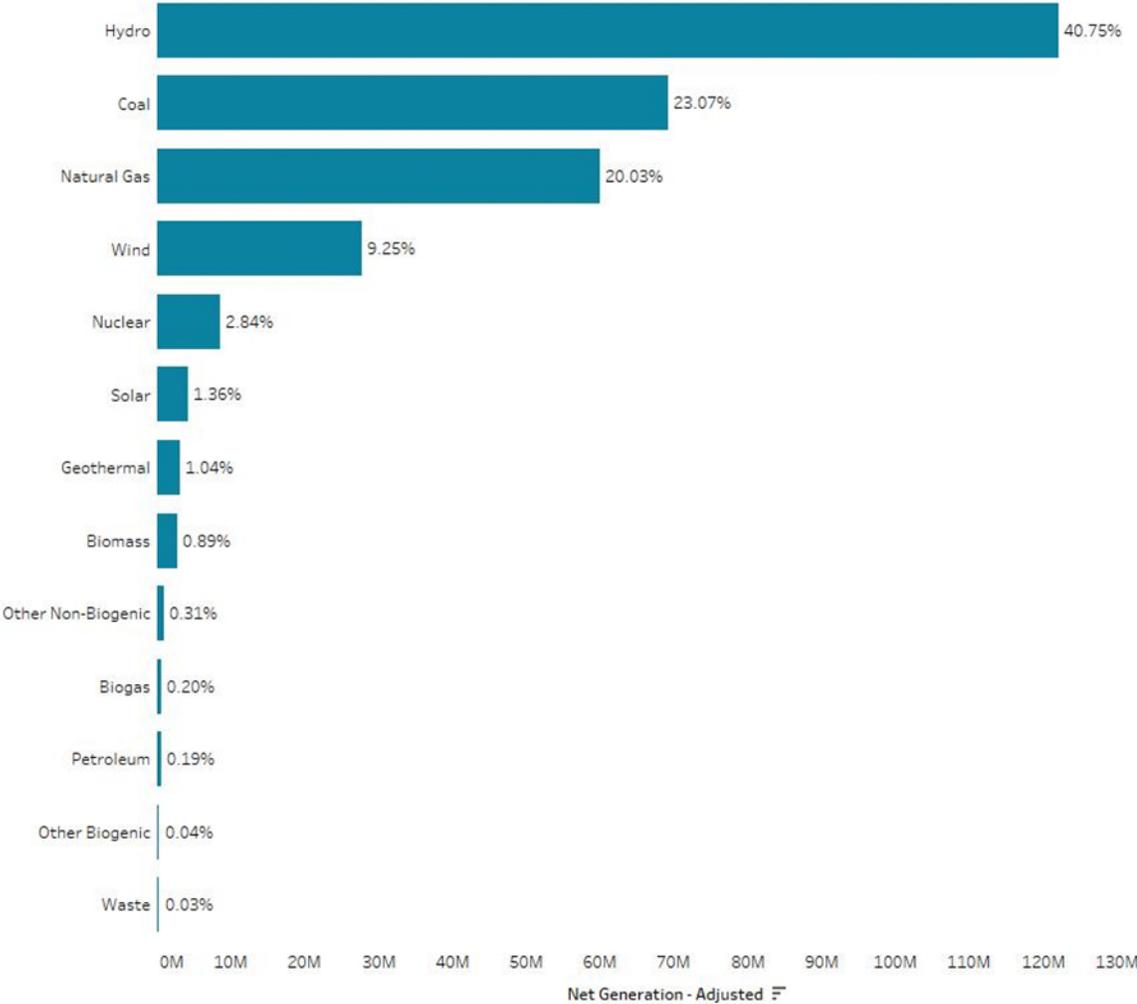
Figure 4: Aggregate CO2 Emissions Time Series by Fuel Type for Washington Electric Utilities



# Northwest Power Pool Fuel Mix

The Northwest Power Pool Fuel Mix for 2021 is presented in Figure 5 and Table 4 below. The Northwest Power Pool includes electric utilities in Washington, Oregon, and Idaho and parts of Montana, Nevada, Utah, and California. Hydropower has the largest share of generation (40.75%), followed by coal (23.07%) and natural gas (20.03%).

Figure 5: 2021 Northwest Power Pool Generation



**Table 4: 2021 Northwest Power Pool Generation by Fuel Category<sup>2</sup>**

Fuel category	Net generation (MWh)	Fuel category share
Hydro	122,127,267	40.75%
Coal	69,158,749	23.07%
Natural gas	60,037,796	20.03%
Wind	27,730,377	9.25%
Nuclear	8,514,116	2.84%
Solar	4,083,959	1.36%
Geothermal	3,124,537	1.04%
Biomass	2,668,778	0.89%
Other non-biogenic	923,920	0.31%
Biogas	590,215	0.20%
Petroleum	555,067	0.19%
Waste	101,534	0.03%
Other biogenic	119,012	0.04%
Total	299,735,327	100%

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<sup>2</sup> Net power plant generation is used in the Washington fuel mix disclosure process. Some entities report power as gross generation, which does not include power plant parasitic losses.

Table 5 illustrates carbon dioxide emissions associated with electric power generation in the Northwest Power Pool in 2021. Coal fired electricity generation is the primary source of emissions.

**Table 5: 2021 Northwest Power Pool estimated CO2 emissions by fuel type**

Fuel type	CO2 emissions (Short tons)	CO2 emissions (Metric tons)
Coal	87,693,294	79,546,977
Natural gas	28,097,689	25,481,233
Petroleum	716,036	649,780
Other	1,074,220	974,642
Total	117,581,239	106,652,631

Table 6 illustrates the Northwest Power Pool Net System Mix for 2021. The Net System Mix, also known as the residual mix, is the electric generation remaining after all known claims on generation are made against the Northwest Power Pool total generation shown in Table 4 above. Hydropower generation comprises the largest share (36.30%), followed by coal (34.85%) and natural gas (24.74%). Commerce no longer uses the residual mix in estimating Washington utility fuel mix but presents the information for other potential uses.

**Table 6: 2021 Northwest Power Pool Net System Fuel Mix by Fuel Category**

Fuel type	Net generation (MWh)	Fuel category share	Imputed NSM emissions (Short tons)
Hydro	54,814,079	36.30%	
Coal	52,617,358	34.85%	66,718,810
Natural gas	37,350,932	24.74%	15,852,477
Nuclear	2,799,252	1.85%	
Biomass	1,937,483	1.28%	
Other non-biogenic	920,774	0.61%	860,483
Petroleum	528,053	0.35%	618,157
Waste	29,915	0.02%	86,380
Total	150,997,846	100.00%	84,136,306

**Alder Mutual Light**

**Utility Fuel Mix**

<b>Fuel</b>	<b>Percent</b>	<b>Total MWh</b>
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	84.51 %	4,976
Natural Gas	0.00 %	0
Nuclear	10.89 %	641
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	4.60 %	271
<b>Total</b>	<b>100.00 %</b>	<b>5,888</b>

**BPA Claims**

<b>Fuel</b>	<b>MWh</b>
Hydro	4,976
Nuclear	641
<b>SubTotal</b>	<b>5,617</b>
BPA Unspecified Purchase	270
<b>BPA Total</b>	<b>5,887</b>

## 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	84.51 %	4,637
Natural Gas	0.00 %	0
Nuclear	10.89 %	598
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	4.60 %	252
<b>Total</b>	<b>100.00 %</b>	<b>5,487</b>

### BPA Claims

Fuel	MWh
Hydro	4,637
Nuclear	598
<b>SubTotal</b>	<b>5,235</b>
BPA Unspecified Purchase	253
<b>BPA Total</b>	<b>5,488</b>

## Avista (WA)

### Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	5.42 %	329,762
Coal	15.61 %	949,882
Geothermal	0.00 %	0
Hydro	31.83 %	1,936,444
Natural Gas	37.67 %	2,291,643
Nuclear	0.00 %	0
Other Biogenic	0.55 %	33,633
Other Non-Biogenic	0.00 %	0
Petroleum	0.01 %	736
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.68 %	41,106
Wind	3.21 %	195,428
Unspecified	5.02 %	305,588
<b>Total</b>	<b>100.00 %</b>	<b>6,084,222</b>

### Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	305,588
<b>Total</b>	<b>305,588</b>

### Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Boulder Park	Natural Gas	43,558	43,558
Cabinet Gorge	Water	249,905	249,905
Clearwater Paper IPP Lewiston	Residual Fuel Oil	0	
	Wood/Wood Waste Solids	53,144	
	Black Liquor	175,101	
	Distillate Fuel Oil	0	
	Natural Gas	37,174	265,419
Colstrip	Distillate Fuel Oil	736	
	Subbituminous Coal	949,882	
	Waste/Other Oil	0	950,618
Coyote Springs II	Natural Gas	958,062	958,062
Kettle Falls Generating Station	Wood/Wood Waste Solids	79,573	
	Natural Gas	865	80,438
Little Falls (WA)	Water	129,327	129,327
Long Lake	Water	298,615	298,615
Meyers Falls	Water	4,816	4,816
Monroe Street	Water	22,253	22,253
Nine Mile	Water	32,654	32,654
Northeast (WA)	Natural Gas	1,042	1,042
Noxon Rapids	Water	390,951	390,951
Palouse	Wind	89,899	89,899
Plummer Cogen	Wood/Wood Waste Solids	21,944	21,944
Post Falls	Water	16,202	16,202
Priest Rapids	Water	207,703	207,703
Rathdrum	Natural Gas	113,758	113,758

Rathdrum Power LLC	Natural Gas	1,137,184	1,137,184
Rattlesnake Flat	Wind	105,529	105,529
Rocky Reach	Water	251,559	251,559
Sheep Creek Hydro	Water	4,149	4,149
Spokane Waste to Energy	Biogenic Municipal Solid Waste	33,633	
	Non-biogenic Municipal Solid Waste	41,106	74,739
Upper Falls	Water	13,998	13,998
Upriver Dam Hydro Plant	Water	31,725	31,725
Wells	Water	282,587	282,587
<b>Total</b>		<b>5,778,634</b>	<b>5,778,634</b>

## Benton County PUD #1

### Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	1.40 %	26,179
Biomass	2.07 %	38,821
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	75.78 %	1,421,754
Natural Gas	0.00 %	0
Nuclear	9.51 %	178,453
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	7.22 %	135,537
Unspecified	4.02 %	75,375
<b>Total</b>	<b>100.00 %</b>	<b>1,876,119</b>

### BPA Claims

Fuel	MWh
Hydro	1,384,715
Nuclear	178,453
<b>SubTotal</b>	<b>1,563,168</b>
BPA Unspecified Purchase	75,374
<b>BPA Total</b>	<b>1,638,542</b>

### Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Bonneville	Water	1,217	1,217
Chief Joseph	Water	9,146	9,146
Condon Windpower LLC	Wind	22,299	22,299
Cosmo Specialty Fibers Inc.	Wood/Wood Waste Solids	36,688	36,688
Cosmo Specialty Fibers Plant	Wood Waste Liquids	0	
	Residual Fuel Oil	0	
	Waste/Other Oil	0	
	Wood/Wood Waste Solids	0	
	Bituminous Coal	0	
	Subbituminous Coal	0	
	Petroleum Coke	0	0
Cougar	Water	94	94
FPL Energy Vansycle LLC (OR)	Wind	3,312	3,312
FPL Energy Vansycle LLC (WA)	Wind	7,038	7,038
Grand Coulee	Water	12,899	12,899
Hills Creek	Water	144	144
Klondike Wind Power	Wind	2,166	2,166
Klondike Windpower III	Wind	6,090	6,090
Lookout Point	Water	296	296
LRI LFGTE Facility	Landfill Gas	26,179	26,179
Nine Canyon	Wind	25,168	25,168
Packwood	Water	12,162	12,162
Palisades Dam	Water	1,081	1,081
Plummer Cogen	Wood/Wood Waste Solids	2,133	2,133

Salmon Falls Wind Park	Wind	2,560	2,560
Thousand Springs Wind Park	Wind	1,184	1,184
White Creek Wind Farm	Wind	29,274	29,274
Yahoo Creek	Wind	36,446	36,446
<b>Total</b>		<b>237,576</b>	<b>237,576</b>

## 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	84.51 %	528,349
Natural Gas	0.00 %	0
Nuclear	10.89 %	68,090
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	4.60 %	28,760
<b>Total</b>	<b>100.00 %</b>	<b>625,199</b>

### BPA Claims

Fuel	MWh
Hydro	528,349
Nuclear	68,090
<b>SubTotal</b>	<b>596,439</b>
BPA Unspecified Purchase	28,760
<b>BPA Total</b>	<b>625,199</b>

## 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	78.81 %	486,901
Natural Gas	0.00 %	0
Nuclear	10.16 %	62,749
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	11.03 %	68,171
<b>Total</b>	<b>100.00 %</b>	<b>617,821</b>

### BPA Claims

Fuel	MWh
Hydro	486,901
Nuclear	62,749
<b>SubTotal</b>	<b>549,650</b>
BPA Unspecified Purchase	26,503
<b>BPA Total</b>	<b>576,153</b>

### Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	41,666
<b>Total</b>	<b>41,666</b>

## Centralia City Light

### Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	13.43 %	37,097
Geothermal	0.00 %	0
Hydro	74.86 %	206,807
Natural Gas	0.00 %	0
Nuclear	8.21 %	22,687
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.03 %	81
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	3.47 %	9,583
<b>Total</b>	<b>100.00 %</b>	<b>276,255</b>

### BPA Claims

Fuel	MWh
Hydro	176,044
Nuclear	22,687
<b>SubTotal</b>	<b>198,731</b>
BPA Unspecified Purchase	9,584
<b>BPA Total</b>	<b>208,315</b>

### Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Transalta Centralia Generation	Waste/Other Coal	2	
	Distillate Fuel Oil	81	
	Refined Coal	35,793	
	Subbituminous Coal	1,302	37,178
Yelm	Water	30,763	30,763
<b>Total</b>		<b>67,941</b>	<b>67,941</b>

## 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	99.95 %	1,716,977
Natural Gas	0.00 %	0
Nuclear	0.00 %	0
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	42
Solar	0.00 %	0
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.05 %	923
Unspecified	0.00 %	0
<b>Total</b>	<b>100.00 %</b>	<b>1,717,942</b>

### Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Chelan	Water	389,781	389,781
Nine Canyon	Wind	923	923
Rock Island	Water	254,170	254,170
Rocky Reach	Water	1,071,854	1,071,854
Stehekin Diesel	Distillate Fuel Oil	42	42
Stehekin Hydro	Water	1,172	1,172
<b>Total</b>		<b>1,717,942</b>	<b>1,717,942</b>

## 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	77.56 %	116,657
Natural Gas	0.00 %	0
Nuclear	9.99 %	15,034
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	12.45 %	18,735
<b>Total</b>	<b>100.00 %</b>	<b>150,426</b>

### BPA Claims

Fuel	MWh
Hydro	116,657
Nuclear	15,034
<b>SubTotal</b>	<b>131,691</b>
BPA Unspecified Purchase	6,348
<b>BPA Total</b>	<b>138,039</b>

### Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	12,385
<b>Total</b>	<b>12,385</b>

## 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	84.51 %	18,121
Natural Gas	0.00 %	0
Nuclear	10.89 %	2,335
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	4.60 %	986
<b>Total</b>	<b>100.00 %</b>	<b>21,442</b>

### BPA Claims

Fuel	MWh
Hydro	18,121
Nuclear	2,335
<b>SubTotal</b>	<b>20,456</b>
BPA Unspecified Purchase	986
<b>BPA Total</b>	<b>21,442</b>

## 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	84.51 %	71,801
Natural Gas	0.00 %	0
Nuclear	10.89 %	9,253
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	0.00 %	0
Unspecified	4.60 %	3,908
<b>Total</b>	<b>100.00 %</b>	<b>84,962</b>

### BPA Claims

Fuel	MWh
Hydro	71,801
Nuclear	9,253
<b>SubTotal</b>	<b>81,054</b>
BPA Unspecified Purchase	3,909
<b>BPA Total</b>	<b>84,963</b>

## 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	84.71 %	595,530
Natural Gas	0.00 %	0
Nuclear	10.75 %	75,594
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	4.54 %	31,929
<b>Total</b>	<b>100.00 %</b>	<b>703,053</b>

### BPA Claims

Fuel	MWh
Hydro	586,577
Nuclear	75,594
<b>SubTotal</b>	<b>662,171</b>
BPA Unspecified Purchase	31,929
<b>BPA Total</b>	<b>694,100</b>

### Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Distributed Generation--Hydro (WA)	Water	183	183
Packwood	Water	8,770	8,770
<b>Total</b>		<b>8,953</b>	<b>8,953</b>

## 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	45.69 %	2,234,764
Natural Gas	34.29 %	1,677,237
Nuclear	5.85 %	286,027
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	4.15 %	203,012
Unspecified	10.02 %	489,988
<b>Total</b>	<b>100.00 %</b>	<b>4,891,028</b>

### BPA Claims

Fuel	MWh
Hydro	2,219,438
Nuclear	286,027
<b>SubTotal</b>	<b>2,505,465</b>
BPA Unspecified Purchase	120,812
<b>BPA Total</b>	<b>2,626,277</b>

### Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	369,176
<b>Total</b>	<b>369,176</b>

### Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
BPA--Dedicated Resource Type Sales	Wind	21,375	21,375
Eurus Combine Hills Turbine Ranch 2	Wind	181,637	181,637
Packwood	Water	15,326	15,326
River Road Gen Plant	Natural Gas	1,677,237	1,677,237
<b>Total</b>		<b>1,895,575</b>	<b>1,895,575</b>

## 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	84.47 %	19,014
Natural Gas	0.00 %	0
Nuclear	10.89 %	2,450
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	4.64 %	1,043
<b>Total</b>	<b>100.00 %</b>	<b>22,507</b>

### BPA Claims

Fuel	MWh
Hydro	19,014
Nuclear	2,450
<b>SubTotal</b>	<b>21,464</b>
BPA Unspecified Purchase	1,035
<b>BPA Total</b>	<b>22,499</b>

### Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	8
<b>Total</b>	<b>8</b>

## 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	75.18 %	280,176
Natural Gas	0.00 %	0
Nuclear	9.69 %	36,107
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	15.13 %	56,397
<b>Total</b>	<b>100.00 %</b>	<b>372,680</b>

### BPA Claims

Fuel	MWh
Hydro	280,176
Nuclear	36,107
<b>SubTotal</b>	<b>316,283</b>
BPA Unspecified Purchase	15,251
<b>BPA Total</b>	<b>331,534</b>

### Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	41,145
<b>Total</b>	<b>41,145</b>

## 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	84.51 %	2,295
Natural Gas	0.00 %	0
Nuclear	10.89 %	296
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	4.60 %	125
<b>Total</b>	<b>100.00 %</b>	<b>2,716</b>

### BPA Claims

Fuel	MWh
Hydro	2,295
Nuclear	296
<b>SubTotal</b>	<b>2,591</b>
BPA Unspecified Purchase	125
<b>BPA Total</b>	<b>2,716</b>

## 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	84.51 %	14,507
Natural Gas	0.00 %	0
Nuclear	10.89 %	1,870
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	4.60 %	790
<b>Total</b>	<b>100.00 %</b>	<b>17,167</b>

### BPA Claims

Fuel	MWh
Hydro	14,507
Nuclear	1,870
<b>SubTotal</b>	<b>16,377</b>
BPA Unspecified Purchase	790
<b>BPA Total</b>	<b>17,167</b>

## Cowlitz County PUD #1

### Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	3.17 %	145,109
Coal	0.13 %	5,998
Geothermal	0.00 %	0
Hydro	62.46 %	2,854,806
Natural Gas	0.74 %	33,772
Nuclear	7.44 %	340,293
Other Biogenic	0.06 %	2,636
Other Non-Biogenic	0.00 %	0
Petroleum	0.01 %	532
Solar	2.96 %	135,345
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	7.30 %	333,517
Unspecified	15.73 %	719,055
<b>Total</b>	<b>100.00 %</b>	<b>4,571,063</b>

### BPA Claims

Fuel	MWh
Hydro	2,640,521
Nuclear	340,293
<b>SubTotal</b>	<b>2,980,814</b>
BPA Unspecified Purchase	143,733
<b>BPA Total</b>	<b>3,124,547</b>

### Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	575,322
<b>Total</b>	<b>575,322</b>

### Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
American Falls Solar	Solar	29,091	29,091
Bonneville Dam Incremental Hydro G1	Water	3,285	3,285
Chief Joseph	Water	18,547	18,547
Chiloquin Solar, LLC	Solar	12,552	12,552
Cold Springs Windfarm	Wind	8,923	8,923
Condon Windpower LLC	Wind	14,836	14,836
Cougar	Water	289	289
Desert Meadow Windfarm	Wind	8,923	8,923
FPL Energy Vansycle LLC (OR)	Wind	49,313	49,313
FPL Energy Vansycle LLC (WA)	Wind	35,810	35,810
Golden Valley Wind Park LLC	Wind	19,125	19,125
Grand Coulee	Water	29,739	29,739
Hammett Hill Windfarm	Wind	8,923	8,923
Harvest Wind Project	Wind	39,170	39,170
Hills Creek	Water	142	142
Hopkins Ridge Wind	Wind	25,000	25,000
Klondike Wind Power	Wind	12,412	12,412
Klondike Windpower III	Wind	20,159	20,159
Longview Fibre	Wood/Wood Waste Solids	20,513	
	Natural Gas	22,557	
	Black Liquor	72,473	115,543
Lookout Point	Water	736	736
Mainline Windfarm	Wind	8,923	8,923

Murphy Flat Solar	Solar	16,810	16,810
Nine Canyon	Wind	46,277	46,277
Nippon Dynawave Packaging Longview WA	Subbituminous Coal	5,998	
	Natural Gas	11,214	
	Sludge Waste	2,636	
	Distillate Fuel Oil	8	
	Residual Fuel Oil	524	
	Black Liquor	41,204	
	Wood/Wood Waste Solids	10,919	72,504
OR Solar 3, LLC	Solar	15,661	15,661
OR Solar 5, LLC	Solar	12,286	12,286
OR Solar 6, LLC	Solar	15,213	15,213
OR Solar 8, LLC	Solar	10,063	10,063
Orchard Ranch Solar	Solar	9,648	9,648
Palisades Dam	Water	3,165	3,165
Priest Rapids	Water	4,484	4,484
Ryegrass Windfarm	Wind	8,923	8,923
Simcoe Solar	Solar	14,021	14,021
Swift 2	Water	146,894	146,894
Thousand Springs Wind Park	Wind	985	985
Tuana Gulch Wind Park	Wind	16,893	16,893
Two Ponds Windfarm	Wind	8,923	8,923
Wanapum	Water	7,003	7,003
<b>Total</b>		<b>871,193</b>	<b>871,194</b>

## 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	13.73 %	171,409
Natural Gas	0.00 %	0
Nuclear	1.77 %	22,090
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	84.50 %	1,055,340
<b>Total</b>	<b>100.00 %</b>	<b>1,248,839</b>

### BPA Claims

Fuel	MWh
Hydro	171,409
Nuclear	22,090
<b>SubTotal</b>	<b>193,499</b>
BPA Unspecified Purchase	9,331
<b>BPA Total</b>	<b>202,830</b>

### Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	1,046,009
<b>Total</b>	<b>1,046,009</b>

## 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	84.51 %	24,351
Natural Gas	0.00 %	0
Nuclear	10.89 %	3,138
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	4.60 %	1,326
<b>Total</b>	<b>100.00 %</b>	<b>28,815</b>

### BPA Claims

Fuel	MWh
Hydro	24,351
Nuclear	3,138
<b>SubTotal</b>	<b>27,489</b>
BPA Unspecified Purchase	1,326
<b>BPA Total</b>	<b>28,815</b>

## 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	84.51 %	180,054
Natural Gas	0.00 %	0
Nuclear	10.89 %	23,204
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	4.60 %	9,801
<b>Total</b>	<b>100.00 %</b>	<b>213,059</b>

### BPA Claims

Fuel	MWh
Hydro	180,054
Nuclear	23,204
<b>SubTotal</b>	<b>203,258</b>
BPA Unspecified Purchase	9,801
<b>BPA Total</b>	<b>213,059</b>

## 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	84.51 %	244,423
Natural Gas	0.00 %	0
Nuclear	10.89 %	31,500
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	4.60 %	13,305
<b>Total</b>	<b>100.00 %</b>	<b>289,228</b>

### BPA Claims

Fuel	MWh
Hydro	244,423
Nuclear	31,500
<b>SubTotal</b>	<b>275,923</b>
BPA Unspecified Purchase	13,305
<b>BPA Total</b>	<b>289,228</b>

## 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	84.51 %	28,679
Natural Gas	0.00 %	0
Nuclear	10.89 %	3,696
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	4.60 %	1,561
<b>Total</b>	<b>100.00 %</b>	<b>33,936</b>

### BPA Claims

Fuel	MWh
Hydro	28,679
Nuclear	3,696
<b>SubTotal</b>	<b>32,375</b>
BPA Unspecified Purchase	1,561
<b>BPA Total</b>	<b>33,936</b>

## 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	84.51 %	38,474
Natural Gas	0.00 %	0
Nuclear	10.89 %	4,958
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	4.60 %	2,094
<b>Total</b>	<b>100.00 %</b>	<b>45,526</b>

### BPA Claims

Fuel	MWh
Hydro	38,474
Nuclear	4,958
<b>SubTotal</b>	<b>43,432</b>
BPA Unspecified Purchase	2,094
<b>BPA Total</b>	<b>45,526</b>

## 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	84.51 %	67,519
Natural Gas	0.00 %	0
Nuclear	10.89 %	8,701
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	4.60 %	3,675
<b>Total</b>	<b>100.00 %</b>	<b>79,895</b>

### BPA Claims

Fuel	MWh
Hydro	67,519
Nuclear	8,701
<b>SubTotal</b>	<b>76,220</b>
BPA Unspecified Purchase	3,676
<b>BPA Total</b>	<b>79,896</b>

## 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	76.23 %	864,620
Natural Gas	3.47 %	39,357
Nuclear	9.69 %	109,897
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	2.16 %	24,501
Unspecified	8.45 %	95,877
<b>Total</b>	<b>100.00 %</b>	<b>1,134,252</b>

### BPA Claims

Fuel	MWh
Hydro	852,753
Nuclear	109,897
<b>SubTotal</b>	<b>962,650</b>
BPA Unspecified Purchase	46,418
<b>BPA Total</b>	<b>1,009,068</b>

### Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	49,459
<b>Total</b>	<b>49,459</b>

### Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Distributed Generation--Hydro (WA)	Water	3,691	3,691
Frederickson Power LP	Natural Gas	39,357	39,357
Nine Canyon	Wind	24,501	24,501
Packwood	Water	8,176	8,176
<b>Total</b>		<b>75,725</b>	<b>75,725</b>

## 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	17.38 %	841,331
Natural Gas	0.00 %	0
Nuclear	0.12 %	5,606
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 %	175
Unspecified	82.50 %	3,994,222
<b>Total</b>	<b>100.00 %</b>	<b>4,841,334</b>

### BPA Claims

Fuel	MWh
Hydro	43,500
Nuclear	5,606
<b>SubTotal</b>	<b>49,106</b>
BPA Unspecified Purchase	2,368
<b>BPA Total</b>	<b>51,474</b>

### Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	3,991,852
<b>Total</b>	<b>3,991,852</b>

### Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Nine Canyon	Wind	175	175
PEC Headworks	Water	17,296	17,296
Priest Rapids	Water	296,986	296,986
Quincy Chute	Water	11,458	11,458
Wanapum	Water	472,091	472,091
<b>Total</b>		<b>798,006</b>	<b>798,006</b>

## 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 %	800,000
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
<b>Total</b>	<b>100.00 %</b>	<b>800,000</b>

### Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Boundary	Water	9,125	9,125
Lucky Peak Power Plant Project	Water	30,113	30,113
Priest Rapids	Water	303,030	303,030
Rock Island	Water	53,448	53,448
Rocky Reach	Water	73,485	73,485
Wanapum	Water	330,799	330,799
<b>Total</b>		<b>800,000</b>	<b>800,000</b>

## 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	78.82 %	919,962
Natural Gas	2.53 %	29,572
Nuclear	10.16 %	118,559
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	4.20 %	48,988
Unspecified	4.29 %	50,077
<b>Total</b>	<b>100.00 %</b>	<b>1,167,158</b>

### BPA Claims

Fuel	MWh
Hydro	919,962
Nuclear	118,559
<b>SubTotal</b>	<b>1,038,521</b>
BPA Unspecified Purchase	50,076
<b>BPA Total</b>	<b>1,088,597</b>

### Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Frederickson Power LP	Natural Gas	29,572	29,572
Nine Canyon	Wind	48,988	48,988
<b>Total</b>		<b>78,560</b>	<b>78,560</b>

## 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	77.71 %	867,990
Natural Gas	0.00 %	0
Nuclear	10.01 %	111,861
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	12.28 %	137,211
<b>Total</b>	<b>100.00 %</b>	<b>1,117,062</b>

### BPA Claims

Fuel	MWh
Hydro	867,990
Nuclear	111,861
<b>SubTotal</b>	<b>979,851</b>
BPA Unspecified Purchase	47,247
<b>BPA Total</b>	<b>1,027,098</b>

### Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	89,964
<b>Total</b>	<b>89,964</b>

## 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	84.51 %	344,036
Natural Gas	0.00 %	0
Nuclear	10.89 %	44,337
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	4.60 %	18,727
<b>Total</b>	<b>100.00 %</b>	<b>407,100</b>

### BPA Claims

Fuel	MWh
Hydro	344,036
Nuclear	44,337
<b>SubTotal</b>	<b>388,373</b>
BPA Unspecified Purchase	18,727
<b>BPA Total</b>	<b>407,100</b>

## 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	84.51 %	25,446
Natural Gas	0.00 %	0
Nuclear	10.89 %	3,279
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	4.60 %	1,385
<b>Total</b>	<b>100.00 %</b>	<b>30,110</b>

### BPA Claims

Fuel	MWh
Hydro	25,446
Nuclear	3,279
<b>SubTotal</b>	<b>28,725</b>
BPA Unspecified Purchase	1,387
<b>BPA Total</b>	<b>30,112</b>

## Kittitas 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	84.38 %	99,345
Natural Gas	0.00 %	0
Nuclear	10.87 %	12,803
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	4.75 %	5,599
<b>Total</b>	<b>100.00 %</b>	<b>117,747</b>

### BPA Claims

Fuel	MWh
Hydro	99,345
Nuclear	12,803
<b>SubTotal</b>	<b>112,148</b>
BPA Unspecified Purchase	5,408
<b>BPA Total</b>	<b>117,556</b>

### Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	191
<b>Total</b>	<b>191</b>

## 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	73.46 %	375,442
Natural Gas	0.00 %	0
Nuclear	8.41 %	42,962
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	18.13 %	92,644
<b>Total</b>	<b>100.00 %</b>	<b>511,048</b>

### BPA Claims

Fuel	MWh
Hydro	333,366
Nuclear	42,962
<b>SubTotal</b>	<b>376,328</b>
BPA Unspecified Purchase	18,148
<b>BPA Total</b>	<b>394,476</b>

### Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	74,499
<b>Total</b>	<b>74,499</b>

### Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
McNary Dam Fish Attraction Project	Water	39,571	39,571
Packwood	Water	2,505	2,505
<b>Total</b>		<b>42,076</b>	<b>42,076</b>

## 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	84.51 %	222,037
Natural Gas	0.00 %	0
Nuclear	10.89 %	28,615
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	4.60 %	12,086
<b>Total</b>	<b>100.00 %</b>	<b>262,738</b>

### BPA Claims

Fuel	MWh
Hydro	222,037
Nuclear	28,615
<b>SubTotal</b>	<b>250,652</b>
BPA Unspecified Purchase	12,086
<b>BPA Total</b>	<b>262,738</b>

## 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	78.03 %	749,881
Natural Gas	0.00 %	0
Nuclear	10.00 %	96,096
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	1.21 %	11,677
Unspecified	10.76 %	103,436
<b>Total</b>	<b>100.00 %</b>	<b>961,090</b>

### BPA Claims

Fuel	MWh
Hydro	745,660
Nuclear	96,096
<b>SubTotal</b>	<b>841,756</b>
BPA Unspecified Purchase	40,590
<b>BPA Total</b>	<b>882,346</b>

### Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	62,847
<b>Total</b>	<b>62,847</b>

### Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Burton Creek Hydro	Water	1,417	1,417
Mill Creek	Water	604	604
Nine Canyon	Wind	11,677	11,677
Packwood	Water	2,200	2,200
<b>Total</b>		<b>15,898</b>	<b>15,898</b>

## 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	85.48 %	75,574
Natural Gas	0.00 %	0
Nuclear	10.21 %	9,024
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	4.31 %	3,812
<b>Total</b>	<b>100.00 %</b>	<b>88,410</b>

### BPA Claims

Fuel	MWh
Hydro	70,022
Nuclear	9,024
<b>SubTotal</b>	<b>79,046</b>
BPA Unspecified Purchase	3,813
<b>BPA Total</b>	<b>82,859</b>

### Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Lilliwaup Falls Generating	Water	5,552	5,552
<b>Total</b>		<b>5,552</b>	<b>5,552</b>

### 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	82.70 %	593,748
Natural Gas	0.00 %	0
Nuclear	10.50 %	75,382
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.03 %	208
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	2.34 %	16,798
Unspecified	4.43 %	31,840
<b>Total</b>	<b>100.00 %</b>	<b>717,976</b>

#### BPA Claims

Fuel	MWh
Hydro	584,931
Nuclear	75,382
<b>SubTotal</b>	<b>660,313</b>
BPA Unspecified Purchase	31,839
<b>BPA Total</b>	<b>692,152</b>

#### Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Distributed Generation--Solar (WA)	Solar	208	208
Nine Canyon	Wind	7,675	7,675
Packwood	Water	8,817	8,817
White Creek Wind Farm	Wind	9,123	9,123
<b>Total</b>		<b>25,823</b>	<b>25,823</b>

## 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	84.51 %	27,373
Natural Gas	0.00 %	0
Nuclear	10.89 %	3,528
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	4.60 %	1,490
<b>Total</b>	<b>100.00 %</b>	<b>32,391</b>

### BPA Claims

Fuel	MWh
Hydro	27,373
Nuclear	3,528
<b>SubTotal</b>	<b>30,901</b>
BPA Unspecified Purchase	1,489
<b>BPA Total</b>	<b>32,390</b>

## 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	84.51 %	49,107
Natural Gas	0.00 %	0
Nuclear	10.89 %	6,329
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	4.60 %	2,673
<b>Total</b>	<b>100.00 %</b>	<b>58,109</b>

### BPA Claims

Fuel	MWh
Hydro	49,107
Nuclear	6,329
<b>SubTotal</b>	<b>55,436</b>
BPA Unspecified Purchase	2,673
<b>BPA Total</b>	<b>58,109</b>

## 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	84.51 %	201,964
Natural Gas	0.00 %	0
Nuclear	10.89 %	26,028
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	4.60 %	10,994
<b>Total</b>	<b>100.00 %</b>	<b>238,986</b>

### BPA Claims

Fuel	MWh
Hydro	201,964
Nuclear	26,028
<b>SubTotal</b>	<b>227,992</b>
BPA Unspecified Purchase	10,993
<b>BPA Total</b>	<b>238,985</b>

## 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	84.51 %	60,723
Natural Gas	0.00 %	0
Nuclear	10.89 %	7,826
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	4.60 %	3,305
<b>Total</b>	<b>100.00 %</b>	<b>71,854</b>

### BPA Claims

Fuel	MWh
Hydro	60,723
Nuclear	7,826
<b>SubTotal</b>	<b>68,549</b>
BPA Unspecified Purchase	3,305
<b>BPA Total</b>	<b>71,854</b>

## 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	83.63 %	99
Natural Gas	0.00 %	0
Nuclear	10.78 %	13
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	5.59 %	7
<b>Total</b>	<b>100.00 %</b>	<b>119</b>

### BPA Claims

Fuel	MWh
Hydro	99
Nuclear	13
<b>SubTotal</b>	<b>112</b>
BPA Unspecified Purchase	5
<b>BPA Total</b>	<b>117</b>

## 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	84.51 %	79,445
Natural Gas	0.00 %	0
Nuclear	10.89 %	10,238
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	4.60 %	4,324
<b>Total</b>	<b>100.00 %</b>	<b>94,007</b>

### BPA Claims

Fuel	MWh
Hydro	79,445
Nuclear	10,238
<b>SubTotal</b>	<b>89,683</b>
BPA Unspecified Purchase	4,324
<b>BPA Total</b>	<b>94,007</b>

## 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	82.34 %	58,456
Natural Gas	0.00 %	0
Nuclear	10.61 %	7,533
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	7.05 %	5,008
<b>Total</b>	<b>100.00 %</b>	<b>70,997</b>

### BPA Claims

Fuel	MWh
Hydro	58,456
Nuclear	7,533
<b>SubTotal</b>	<b>65,989</b>
BPA Unspecified Purchase	3,183
<b>BPA Total</b>	<b>69,172</b>

### Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	1,826
<b>Total</b>	<b>1,826</b>

## 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	51.05 %	335,611
Natural Gas	0.00 %	0
Nuclear	6.58 %	43,251
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 %	1
Unspecified	42.37 %	278,511
<b>Total</b>	<b>100.00 %</b>	<b>657,374</b>

### BPA Claims

Fuel	MWh
Hydro	335,611
Nuclear	43,251
<b>SubTotal</b>	<b>378,862</b>
BPA Unspecified Purchase	18,269
<b>BPA Total</b>	<b>397,131</b>

### Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	260,243
<b>Total</b>	<b>260,243</b>

## 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	84.10 %	199,494
Natural Gas	0.00 %	0
Nuclear	10.84 %	25,709
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	5.06 %	12,008
<b>Total</b>	<b>100.00 %</b>	<b>237,211</b>

### BPA Claims

Fuel	MWh
Hydro	199,494
Nuclear	25,709
<b>SubTotal</b>	<b>225,203</b>
BPA Unspecified Purchase	10,858
<b>BPA Total</b>	<b>236,061</b>

### Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	1,148
<b>Total</b>	<b>1,148</b>

## 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	77.90 %	257,114
Natural Gas	0.00 %	0
Nuclear	10.04 %	33,135
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	12.06 %	39,816
<b>Total</b>	<b>100.00 %</b>	<b>330,065</b>

### BPA Claims

Fuel	MWh
Hydro	257,114
Nuclear	33,135
<b>SubTotal</b>	<b>290,249</b>
BPA Unspecified Purchase	13,995
<b>BPA Total</b>	<b>304,244</b>

### Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	25,819
<b>Total</b>	<b>25,819</b>

## Pacific Power (WA)

### Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	0.00 %	0
Coal	40.61 %	1,871,235
Geothermal	0.35 %	16,091
Hydro	5.28 %	243,278
Natural Gas	18.51 %	852,596
Nuclear	0.09 %	3,967
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.03 %	1,558
Solar	2.77 %	127,398
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	15.87 %	731,139
Unspecified	16.49 %	759,699
<b>Total</b>	<b>100.00 %</b>	<b>4,606,961</b>

### BPA Claims

Fuel	MWh
Hydro	30,781
Nuclear	3,967
<b>SubTotal</b>	<b>34,748</b>
BPA Unspecified Purchase	1,674
<b>BPA Total</b>	<b>36,422</b>

### Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	758,024
<b>Total</b>	<b>758,024</b>

### Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Adams Solar Center	Solar	4,892	4,892
Ashton	Water	2,274	2,274
Bear Creek Solar Center	Solar	5,342	5,342
Bend	Water	48	48
Big Fork	Water	2,163	2,163
Blundell	Geothermal	16,091	16,091
Bly Solar Center	Solar	4,569	4,569
Campbell Hill Windpower	Wind	24,169	24,169
Cedar Springs I	Wind	61,127	61,127
Cedar Springs II	Wind	53,747	53,747
Cedar Springs III	Wind	42,353	42,353
Chehalis Generating Facility	Distillate Fuel Oil	0	
	Natural Gas	508,547	508,547
Clearwater 1	Water	1,370	1,370
Clearwater 2	Water	1,170	1,170
Colstrip	Waste/Other Oil	0	
	Distillate Fuel Oil	88	
	Subbituminous Coal	113,269	113,357
Copco 1	Water	4,753	4,753
Copco 2	Water	6,011	6,011
Cutler Hydro	Water	1,841	1,841
Dunlap	Wind	34,895	34,895
Eagle Point	Water	1,022	1,022
Ekola Flats	Wind	59,108	59,108

Elbe Solar Center	Solar	4,980	4,980
Enterprise Solar, LLC	Solar	49,715	49,715
Fall Creek	Water	626	626
Fish Creek	Water	932	932
Foote Creek I	Wind	13,252	13,252
Glenrock	Wind	37,428	37,428
Goodnoe Hills	Wind	23,762	23,762
Grace	Water	4,818	4,818
Granite	Water	374	374
Gunlock	Water	29	29
Hermiston Generating Plant	Natural Gas	344,049	344,049
High Plains	Wind	26,782	26,782
Iron Gate	Water	5,759	5,759
Jim Bridger	Subbituminous Coal	1,757,966	
	Distillate Fuel Oil	1,470	1,759,436
John C Boyle	Water	11,762	11,762
Last Chance	Water	304	304
Latigo Wind Park	Wind	12,918	12,918
Leaning Juniper	Wind	23,553	23,553
Lemolo 1	Water	6,343	6,343
Lemolo 2	Water	7,716	7,716
Lifton	Water	-345	-345
Marengo Wind Plant	Wind	58,738	58,738
McFadden Ridge	Wind	8,223	8,223
Merwin	Water	35,479	35,479
Mountain Wind Power II LLC	Wind	16,395	16,395
Mountain Wind Power LLC	Wind	12,679	12,679
Oneida	Water	2,087	2,087
Paris	Water	55	55
Pavant Solar II LLC	Solar	9,479	9,479
Pavant Solar, LLC	Solar	24,310	24,310
Pioneer	Water	494	494
Pioneer Wind Park, LLC	Wind	19,507	19,507
Prospect 1	Water	360	360
Prospect 2	Water	11,667	11,667
Prospect 3	Water	810	810
Prospect 4	Water	75	75
Rock River I LLC	Wind	8,693	8,693
Rolling Hills	Wind	23,787	23,787
Sage Solar I-III	Solar	9,698	9,698
Sand Cove	Water	20	20
Seven Mile Hill	Wind	38,394	38,394
Slide Creek	Water	2,822	2,822
Soda	Water	1,181	1,181
Soda Springs	Water	2,406	2,406
Stairs	Water	253	253
Sweetwater Solar	Solar	14,413	14,413
Swift 1	Water	45,045	45,045
TB Flats	Wind	86,619	86,619
Toketee Falls	Water	10,986	10,986
Top of the World Windpower Project	Wind	31,470	31,470
Veyo	Water	15	15

Viva Naughton	Water	27	27
Wallowa Falls	Water	235	235
Weber	Water	282	282
West Side	Electricity for Energy Storage	-4	-4
Wolverine Creek	Wind	13,540	13,540
Yale	Water	39,228	39,228
<b>Total</b>		<b>3,812,510</b>	<b>3,812,510</b>

## 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	84.51 %	99,898
Natural Gas	0.00 %	0
Nuclear	10.89 %	12,874
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	4.60 %	5,438
<b>Total</b>	<b>100.00 %</b>	<b>118,210</b>

### BPA Claims

Fuel	MWh
Hydro	99,898
Nuclear	12,874
<b>SubTotal</b>	<b>112,772</b>
BPA Unspecified Purchase	5,439
<b>BPA Total</b>	<b>118,211</b>

## 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	74.61 %	224,820
Natural Gas	0.00 %	0
Nuclear	2.33 %	7,025
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	23.06 %	69,474
<b>Total</b>	<b>100.00 %</b>	<b>301,319</b>

### BPA Claims

Fuel	MWh
Hydro	54,513
Nuclear	7,025
<b>SubTotal</b>	<b>61,538</b>
BPA Unspecified Purchase	2,967
<b>BPA Total</b>	<b>64,505</b>

### Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	66,506
<b>Total</b>	<b>66,506</b>

### Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Boundary	Water	72,705	72,705
Box Canyon	Water	97,602	97,602
<b>Total</b>		<b>170,307</b>	<b>170,307</b>

## Peninsula Light

### Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.00 %	0
Biomass	1.39 %	10,000
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	75.60 %	545,897
Natural Gas	0.00 %	0
Nuclear	9.59 %	69,205
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	9.37 %	67,661
Unspecified	4.05 %	29,231
<b>Total</b>	<b>100.00 %</b>	<b>721,994</b>

### BPA Claims

Fuel	MWh
Hydro	537,001
Nuclear	69,205
<b>SubTotal</b>	<b>606,206</b>
BPA Unspecified Purchase	29,231
<b>BPA Total</b>	<b>635,437</b>

### Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Bonneville Dam Incremental Hydro G1	Water	432	432
Chief Joseph	Water	3,279	3,279
Condon Windpower LLC	Wind	1,000	1,000
Cosmo Specialty Fibers Inc.	Wood/Wood Waste Solids	10,000	10,000
Cosmo Specialty Fibers Plant	Waste/Other Oil	0	
	Wood/Wood Waste Solids	0	
	Bituminous Coal	0	
	Petroleum Coke	0	
	Residual Fuel Oil	0	
	Wood Waste Liquids	0	
	Subbituminous Coal	0	0
Cougar	Water	35	35
FPL Energy Vansycle LLC (OR)	Wind	5,261	5,261
FPL Energy Vansycle LLC (WA)	Wind	3,450	3,450
Goodnoe Hills	Wind	5,463	5,463
Grand Coulee	Water	4,611	4,611
Harvest Wind Project	Wind	7,298	7,298
Hills Creek	Water	49	49
Horse Butte Wind I, LLC	Wind	5,783	5,783
Klondike Wind Power	Wind	3,280	3,280
Klondike Windpower III	Wind	5,883	5,883
Leaning Juniper	Wind	4,000	4,000
Lookout Point	Water	103	103

Marengo Wind Plant	Wind	1,248	1,248
Nine Canyon	Wind	19,092	19,092
Palisades Dam	Water	387	387
Wheat Field Wind Power Project	Wind	3,650	3,650
White Creek Wind Farm	Wind	2,253	2,253
<b>Total</b>		<b>86,557</b>	<b>86,557</b>

## 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	84.51 %	350,951
Natural Gas	0.00 %	0
Nuclear	10.89 %	45,228
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	4.60 %	19,103
<b>Total</b>	<b>100.00 %</b>	<b>415,282</b>

### BPA Claims

Fuel	MWh
Hydro	350,951
Nuclear	45,228
<b>SubTotal</b>	<b>396,179</b>
BPA Unspecified Purchase	19,104
<b>BPA Total</b>	<b>415,283</b>

**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	84.51 %	117,212
Natural Gas	0.00 %	0
Nuclear	10.89 %	15,105
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	4.60 %	6,380
<b>Total</b>	<b>100.00 %</b>	<b>138,697</b>

**BPA Claims**

Fuel	MWh
Hydro	117,212
Nuclear	15,105
<b>SubTotal</b>	<b>132,317</b>
BPA Unspecified Purchase	6,381
<b>BPA Total</b>	<b>138,698</b>

## Puget Sound Energy

### Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.07 %	15,731
Biomass	0.02 %	3,700
Coal	24.09 %	5,425,385
Geothermal	0.02 %	5,000
Hydro	23.63 %	5,321,864
Natural Gas	29.97 %	6,752,499
Nuclear	0.46 %	103,106
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.05 %	11,837
Solar	0.80 %	180,141
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	11.88 %	2,675,580
Unspecified	9.01 %	2,030,126
<b>Total</b>	<b>100.00 %</b>	<b>22,524,969</b>

### BPA Claims

Fuel	MWh
Hydro	800,057
Nuclear	103,106
<b>SubTotal</b>	<b>903,163</b>
BPA Unspecified Purchase	43,550
<b>BPA Total</b>	<b>946,713</b>

### Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	1,986,576
<b>Total</b>	<b>1,986,576</b>

### Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
3 Bar G Wind Turbine #3	Wind	83	83
Black Creek	Water	10,278	10,278
Black Eagle Solar, LLC	Solar	375	375
Camp Reed	Wind	602	602
Cargill B6 Biofactory	Other Biomass Gas	1,227	1,227
Carousel Wind Farm LLC	Wind	22,146	22,146
Cedar Creek II	Wind	13,103	13,103
Cedar Creek Wind	Wind	44,489	44,489
Colstrip	Subbituminous Coal	2,369,431	
	Distillate Fuel Oil	1,836	
	Waste/Other Oil	0	2,371,267
Crystal Mountain	Distillate Fuel Oil	485	485
Distributed Generation--Biomass (WA)	Wood/Wood Waste Solids	3,700	3,700
Distributed Generation--Solar (OR)	Solar	17,466	17,466
Distributed Generation--Solar (WA)	Solar	28	28
Encogen	Natural Gas	487,965	
	Distillate Fuel Oil	0	487,965
Escalante Solar I, LLC	Solar	336	336
Escalante Solar II, LLC	Solar	42,413	42,413
Farm Power Rexville	Other Biomass Gas	1,981	1,981
Ferndale Generating Station	Natural Gas	1,248,255	
	Distillate Fuel Oil	2,391	1,250,646
Finley Buttes Landfill Gas	Landfill Gas	7,500	7,500

First Up Knudson Wind Turbine	Wind	68	68
Frederickson	Natural Gas	49,721	
	Distillate Fuel Oil	68	49,789
Frederickson Power LP	Natural Gas	591,647	591,647
Fredonia	Distillate Fuel Oil	321	
	Natural Gas	355,280	355,601
Goldendale Generating Station	Natural Gas	1,873,985	1,873,985
Goodnoe Hills	Wind	45,100	45,100
Granite Mountain Solar East, LLC	Solar	9,664	9,664
Granite Mountain Solar West, LLC	Solar	25,000	25,000
Grazing Yak Solar	Solar	24,673	24,673
Great Divide Solar, LLC	Solar	528	528
Green Meadow Solar, LLC	Solar	782	782
Hopkins Ridge Wind	Wind	224,472	224,472
Iron Springs Solar, LLC	Solar	25,000	25,000
Juniper Canyon I Wind Project	Wind	111,260	111,260
Klondike Windpower III	Wind	61,829	61,829
Koma Kulshan Associates	Water	37,233	37,233
Leaning Juniper Wind Power II	Wind	116,344	116,344
Lime Wind	Wind	5,890	5,890
Limon Wind I	Wind	17,191	17,191
Lower Baker	Water	323,058	323,058
Lower Snake River Wind Energy Project	Wind	879,061	879,061
LRI LFGTE Facility	Landfill Gas	3,750	3,750
Magpie Solar, LLC	Solar	856	856
Marengo Wind Plant	Wind	64,219	64,219
Meadow Creek Project Company	Wind	24,797	24,797
Mint Farm Generating Station	Natural Gas	1,653,446	1,653,446
Mt. Home Solar 1, LLC	Solar	19,676	19,676
Neal Hot Springs Geothermal Project	Geothermal	728	728
Nine Canyon	Wind	5,838	5,838
Nooksack Hydro	Water	20,851	20,851
Northern Colorado Wind LLC	Wind	1,024	1,024
Old Mill Solar	Solar	1,512	1,512
Palouse	Wind	29,182	29,182
Priest Rapids	Water	199,555	199,555
Raft River Geothermal Power Plant	Geothermal	4,272	4,272
River Bend Solar, LLC	Solar	468	468
Rock Creek Dairy	Other Biomass Gas	1,273	1,273
Rock Island	Water	513,661	513,661
Rockland Wind Farm	Wind	86,346	86,346
Rocky Reach	Water	1,242,268	1,242,268
Selis Ksanka Qlispe	Water	322,669	322,669
Skookumchuck	Water	3,969	3,969
Skookumchuck Wind Facility	Wind	377,312	377,312
Snoqualmie	Water	29,992	29,992
Snoqualmie 2	Water	163,793	163,793
South Mills Solar, LLC	Solar	915	915
Spring Canyon Expansion Wind Energy Ctr	Wind	20,037	20,037
Sumas Power Plant	Natural Gas	476,082	476,082

Swauk Wind LLC	Wind	7,058	7,058
Transalta Centralia Generation	Refined Coal	2,948,534	
	Subbituminous Coal	107,238	
	Distillate Fuel Oil	6,713	
	Waste/Other Coal	181	3,062,666
Tumbleweed Solar, LLC	Solar	9,152	9,152
Twin Falls Hydro	Water	72,345	72,345
Upper Baker	Water	341,144	341,144
Wanapum	Water	197,753	197,753
Weeks Falls	Water	13,257	13,257
Wells	Water	1,029,981	1,029,981
Wheat Field Wind Power Project	Wind	40,111	40,111
White Creek Wind Farm	Wind	9,240	9,240
Whitehorn	Distillate Fuel Oil	24	
	Natural Gas	16,118	16,142
Wild Horse	Wind	437,490	
	Solar	297	437,787
Woodline Solar	Solar	1,000	1,000
Yahoo Creek	Wind	31,288	31,288
<b>Total</b>		<b>19,591,680</b>	<b>19,591,680</b>

## 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	78.30 %	765,180
Natural Gas	0.00 %	0
Nuclear	10.09 %	98,611
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.63 %	6,129
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	0.00 %	0
Unspecified	10.98 %	107,314
<b>Total</b>	<b>100.00 %</b>	<b>977,234</b>

### BPA Claims

Fuel	MWh
Hydro	765,180
Nuclear	98,611
<b>SubTotal</b>	<b>863,791</b>
BPA Unspecified Purchase	41,650
<b>BPA Total</b>	<b>905,441</b>

### Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	65,663
<b>Total</b>	<b>65,663</b>

### Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Horn Rapids Solar, Storage and Training	Solar	6,129	6,129
<b>Total</b>		<b>6,129</b>	<b>6,129</b>

## Ruston, Town of

### Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.28 %	27
Biomass	0.21 %	20
Coal	0.00 %	0
Geothermal	0.31 %	29
Hydro	80.29 %	7,627
Natural Gas	0.00 %	0
Nuclear	5.71 %	543
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	1.20 %	114
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	9.59 %	911
Unspecified	2.41 %	229
<b>Total</b>	<b>100.00 %</b>	<b>9,500</b>

### BPA Claims

Fuel	MWh
Hydro	4,212
Nuclear	543
<b>SubTotal</b>	<b>4,755</b>
BPA Unspecified Purchase	229
<b>BPA Total</b>	<b>4,984</b>

### Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Alder	Water	226	226
Benson Creek Windfarm (Burnt River)	Wind	55	55
Bonneville	Water	5	5
Burley Butte Windpark	Wind	122	122
Chief Joseph	Water	36	36
Condon Windpower LLC	Wind	12	12
Cosmo Specialty Fibers Inc.	Wood/Wood Waste Solids	3	3
Cushman 1	Water	148	148
Cushman 2	Water	248	248
Distributed Generation--Solar (WA)	Solar	1	1
Durbin Creek Windfarm (Burnt River)	Wind	48	48
Eagle Point Solar	Solar	30	30
Elkhorn Valley Wind Farm	Wind	68	68
FPL Energy Vansycle LLC (WA)	Wind	23	23
Grand Coulee	Water	50	50
Grand Coulee Project Hydro Authority	Water	288	288
Hidden Hollow Energy	Landfill Gas	27	27
Hills Creek	Water	1	1
Hood Street Reservoir	Water	2	2
ID Solar	Solar	60	60
Jett Creek Windfarm (Burnt River)	Wind	52	52
Klondike Wind Power	Wind	6	6

Klondike Windpower III	Wind	17	17
LaGrande	Water	367	367
Lookout Point	Water	1	1
Mayfield	Water	786	786
Milner Dam Wind Park LLC	Wind	115	115
Mossyrock	Water	1,184	1,184
Neal Hot Springs Geothermal Project	Geothermal	29	29
Nine Canyon	Wind	6	6
NorWest Energy 4, LLC	Solar	19	19
Palisades Dam	Water	4	4
Payne's Ferry	Wind	126	126
Pilgrim Stage Wind Park	Wind	67	67
Plummer Cogen	Wood/Wood Waste Solids	17	17
Priest Rapids	Water	13	13
Prospector Windfarm (Burnt River)	Wind	50	50
Tumbleweed Solar, LLC	Solar	4	4
Wanapum	Water	18	18
White Creek Wind Farm	Wind	86	86
Willow Spring Windfarm (Burnt River)	Wind	58	58
Wynoochee	Water	38	38
<b>Total</b>		<b>4,516</b>	<b>4,516</b>

## Seattle City Light

### Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	1.09 %	103,988
Biomass	0.00 %	0
Coal	0.00 %	0
Geothermal	0.00 %	0
Hydro	86.22 %	8,192,879
Natural Gas	0.00 %	0
Nuclear	4.61 %	437,739
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	4.53 %	430,108
Unspecified	3.55 %	337,566
<b>Total</b>	<b>100.00 %</b>	<b>9,502,280</b>

### BPA Claims

Fuel	MWh
Hydro	3,396,657
Nuclear	437,739
<b>SubTotal</b>	<b>3,834,396</b>
BPA Unspecified Purchase	184,892
<b>BPA Total</b>	<b>4,019,288</b>

### Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	152,675
<b>Total</b>	<b>152,675</b>

### Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Bonneville	Water	3,170	3,170
Boundary	Water	2,186,242	2,186,242
Cedar Falls (WA)	Water	69,436	69,436
Chief Joseph	Water	23,794	23,794
Condon Windpower LLC	Wind	7,258	7,258
Cougar	Water	247	247
Diablo	Water	707,789	707,789
Eitopia Branch Canal 4.6	Water	3,427	3,427
FPL Energy Vansycle LLC (OR)	Wind	394,947	394,947
FPL Energy Vansycle LLC (WA)	Wind	13,696	13,696
Gorge	Water	826,672	826,672
Grand Coulee	Water	33,579	33,579
Hills Creek	Water	369	369
Klondike Wind Power	Wind	3,571	3,571
Klondike Windpower III	Wind	10,636	10,636
Lookout Point	Water	778	778
Main Canal Headworks	Water	44,912	44,912
Newhalem	Unknown		0
Palisades Dam	Water	2,815	2,815
Potholes East Canal 66.0	Water	2,646	2,646
Priest Rapids	Water	16,174	16,174
Ross	Water	652,840	652,840
Russell D Smith	Water	6,622	6,622
South Fork Tolt	Water	45,522	45,522

Summer Falls Power Plant	Water	164,911	164,911
Wanapum	Water	4,277	4,277
Waste Management Columbia Ridge LFGTE	Landfill Gas	93,120	93,120
West Point Treatment Plant	Natural Gas	0	
	Other Biomass Gas	10,868	10,868
<b>Total</b>		<b>5,330,318</b>	<b>5,330,318</b>

## 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	84.51 %	123,477
Natural Gas	0.00 %	0
Nuclear	10.89 %	15,913
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	4.60 %	6,721
<b>Total</b>	<b>100.00 %</b>	<b>146,111</b>

### BPA Claims

Fuel	MWh
Hydro	123,477
Nuclear	15,913
<b>SubTotal</b>	<b>139,390</b>
BPA Unspecified Purchase	6,721
<b>BPA Total</b>	<b>146,111</b>

## Snohomish 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	83.85 %	5,749,482
Natural Gas	0.00 %	0
Nuclear	10.51 %	720,922
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	0.00 %	88
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	1.23 %	84,214
Unspecified	4.41 %	302,688
<b>Total</b>	<b>100.00 %</b>	<b>6,857,394</b>

### BPA Claims

Fuel	MWh
Hydro	5,560,711
Nuclear	716,628
<b>SubTotal</b>	<b>6,277,339</b>
BPA Unspecified Purchase	302,689
<b>BPA Total</b>	<b>6,580,028</b>

### Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Bonneville	Water	4,834	4,834
Chief Joseph	Water	36,290	36,290
Cougar	Water	378	378
Distributed Generation--Solar (OR)	Solar	88	88
Grand Coulee	Water	51,216	51,216
H M Jackson	Water	93,792	93,792
Hay Canyon Wind Power LLC	Wind	84,214	84,214
Hills Creek	Water	566	566
Lookout Point	Water	1,181	1,181
Palisades	Nuclear	4,294	4,294
Woods Creek	Water	514	514
<b>Total</b>		<b>277,367</b>	<b>277,367</b>

## 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	84.51 %	34,390
Natural Gas	0.00 %	0
Nuclear	10.89 %	4,432
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	4.60 %	1,872
<b>Total</b>	<b>100.00 %</b>	<b>40,694</b>

### BPA Claims

Fuel	MWh
Hydro	34,390
Nuclear	4,432
<b>SubTotal</b>	<b>38,822</b>
BPA Unspecified Purchase	1,873
<b>BPA Total</b>	<b>40,695</b>

## 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	84.51 %	26,571
Natural Gas	0.00 %	0
Nuclear	10.89 %	3,424
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	4.60 %	1,446
<b>Total</b>	<b>100.00 %</b>	<b>31,441</b>

### BPA Claims

Fuel	MWh
Hydro	26,571
Nuclear	3,424
<b>SubTotal</b>	<b>29,995</b>
BPA Unspecified Purchase	1,447
<b>BPA Total</b>	<b>31,442</b>

## Tacoma Power

### Utility Fuel Mix

Fuel	Percent	Total MWh
Biogas	0.28 %	13,696
Biomass	0.21 %	10,073
Coal	0.00 %	0
Geothermal	0.31 %	15,011
Hydro	80.30 %	3,898,747
Natural Gas	0.00 %	0
Nuclear	5.71 %	277,450
Other Biogenic	0.00 %	0
Other Non-Biogenic	0.00 %	0
Petroleum	0.00 %	0
Solar	1.20 %	58,325
Unknown	0.00 %	0
Waste	0.00 %	0
Wind	9.58 %	465,374
Unspecified	2.41 %	117,189
<b>Total</b>	<b>100.00 %</b>	<b>4,855,865</b>

### BPA Claims

Fuel	MWh
Hydro	2,152,883
Nuclear	277,450
<b>SubTotal</b>	<b>2,430,333</b>
BPA Unspecified Purchase	117,188
<b>BPA Total</b>	<b>2,547,521</b>

### Claims on Power Plants

Plant Name	Fuel	MWh	Total MWh
Alder	Water	115,503	115,503
Benson Creek Windfarm (Burnt River)	Wind	28,154	28,154
Bonneville	Water	2,431	2,431
Burley Butte Windpark	Wind	62,478	62,478
Chief Joseph	Water	18,233	18,233
Condon Windpower LLC	Wind	5,866	5,866
Cosmo Specialty Fibers Inc.	Wood/Wood Waste Solids	1,428	1,428
Cosmo Specialty Fibers Plant	Wood Waste Liquids	0	
	Petroleum Coke	0	
	Subbituminous Coal	0	
	Bituminous Coal	0	
	Waste/Other Oil	0	
	Wood/Wood Waste Solids	0	
	Residual Fuel Oil	0	0
Cougar	Water	189	189
Cushman 1	Water	75,885	75,885
Cushman 2	Water	126,794	126,794
Distributed Generation--Solar (WA)	Solar	341	341
Durbin Creek Windfarm (Burnt River)	Wind	24,734	24,734
Eagle Point Solar	Solar	15,481	15,481
Elkhorn Valley Wind Farm	Wind	34,892	34,892
FPL Energy Vansycle LLC (WA)	Wind	11,761	11,761
Grand Coulee	Water	25,742	25,742

Grand Coulee Project Hydro Authority	Water	147,430	147,430
Hidden Hollow Energy	Landfill Gas	13,696	13,696
Hills Creek	Water	287	287
Hood Street Reservoir	Water	984	984
ID Solar	Solar	30,741	30,741
Jett Creek Windfarm (Burnt River)	Wind	26,371	26,371
Klondike Wind Power	Wind	3,008	3,008
Klondike Windpower III	Wind	8,840	8,840
LaGrande	Water	187,756	187,756
Lookout Point	Water	593	593
Mayfield	Water	401,585	401,585
Milner Dam Wind Park LLC	Wind	58,825	58,825
Mossyrock	Water	605,114	605,114
Neal Hot Springs Geothermal Project	Geothermal	15,011	15,011
Nine Canyon	Wind	2,911	2,911
NorWest Energy 4, LLC	Solar	9,889	9,889
Palisades Dam	Water	2,160	2,160
Payne's Ferry	Wind	64,234	64,234
Pilgrim Stage Wind Park	Wind	34,336	34,336
Plummer Cogen	Wood/Wood Waste Solids	8,645	8,645
Priest Rapids	Water	6,557	6,557
Prospector Windfarm (Burnt River)	Wind	25,384	25,384
Tumbleweed Solar, LLC	Solar	1,873	1,873
Wanapum	Water	9,207	9,207
White Creek Wind Farm	Wind	44,007	44,007
Willow Spring Windfarm (Burnt River)	Wind	29,573	29,573
Wynoochee	Water	19,414	19,414
<b>Total</b>		<b>2,308,343</b>	<b>2,308,343</b>

## 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	84.51 %	85,661
Natural Gas	0.00 %	0
Nuclear	10.89 %	11,039
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	4.60 %	4,663
<b>Total</b>	<b>100.00 %</b>	<b>101,363</b>

### BPA Claims

Fuel	MWh
Hydro	85,661
Nuclear	11,039
<b>SubTotal</b>	<b>96,700</b>
BPA Unspecified Purchase	4,663
<b>BPA Total</b>	<b>101,363</b>

## 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	79.98 %	193,059
Natural Gas	0.00 %	0
Nuclear	10.31 %	24,880
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	9.71 %	23,428
<b>Total</b>	<b>100.00 %</b>	<b>241,367</b>

### BPA Claims

Fuel	MWh
Hydro	193,059
Nuclear	24,880
<b>SubTotal</b>	<b>217,939</b>
BPA Unspecified Purchase	10,509
<b>BPA Total</b>	<b>228,448</b>

### Utility Unspecified Purchases

Type	MWh
Unspecified Purchase	12,919
<b>Total</b>	<b>12,919</b>

## 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	84.51 %	39,933
Natural Gas	0.00 %	0
Nuclear	10.89 %	5,146
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	4.60 %	2,174
<b>Total</b>	<b>100.00 %</b>	<b>47,253</b>

### BPA Claims

Fuel	MWh
Hydro	39,933
Nuclear	5,146
<b>SubTotal</b>	<b>45,079</b>
BPA Unspecified Purchase	2,174
<b>BPA Total</b>	<b>47,253</b>

## 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	84.51 %	193,051
Natural Gas	0.00 %	0
Nuclear	10.89 %	24,879
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	4.60 %	10,508
<b>Total</b>	<b>100.00 %</b>	<b>228,438</b>

### BPA Claims

Fuel	MWh
Hydro	193,051
Nuclear	24,879
<b>SubTotal</b>	<b>217,930</b>
BPA Unspecified Purchase	10,509
<b>BPA Total</b>	<b>228,439</b>

## 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	84.51 %	130,729
Natural Gas	0.00 %	0
Nuclear	10.89 %	16,848
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	4.60 %	7,116
<b>Total</b>	<b>100.00 %</b>	<b>154,693</b>

### BPA Claims

Fuel	MWh
Hydro	130,729
Nuclear	16,848
<b>SubTotal</b>	<b>147,577</b>
BPA Unspecified Purchase	7,116
<b>BPA Total</b>	<b>154,693</b>