

Washington State Electric Utility Fuel Mix Disclosure Reports



For Calendar Year 2019

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Forward

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

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

About the Washington State Electric Utilities Fuel Mix

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

How is a utility's fuel mix determined?

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

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

Many utilities serve their retail customers using electricity provided by BPA. The BPA provides Commerce with information about the mix of resources used to generate this electricity. The PNGC cooperative also provides some member utility information to Commerce.

Changes for post 2018 reports: Power Source Disclosure (Fuel Mix) 2019 Legislative update

- Engrossed Substitute House Bill [1428](#) reforms the fuel mix statute enacted in 2000 ([19.29A RCW](#)). This law requires that electric utilities disclose to their customers the fuels used to generate their electricity. 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 will be a new category on the disclosure label for “unspecified sources.” Utilities do not always know the sources when they purchase electricity, and the existing law required that Commerce assign fuel shares to this power. Instead, unknown sources will simply be listed as a separate category.
- The law makes other changes that are less obvious but important to the integrity of utility power source disclosures. Utilities will be required to include known sources of electricity generation, and

utilities are not allowed to make renewable energy claims if they have transferred or sold the renewable energy certificates associated with that electricity.

What is the source of information for this report?

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

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

How is information presented in this report?

State level fuel mix information, expressed as 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 time fuel mix 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 US 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 labelled as unspecified.
- “BPA Claims” includes only the portion of delivered BPA power that can be attributed to specific plants.

Washington State Electric Utilities: 2019 Graphs and Tables

Washington State Aggregate Fuel Mix

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

Figure 1: Washington State Electric Utilities Aggregate 2019 Fuel Mix (Percent)

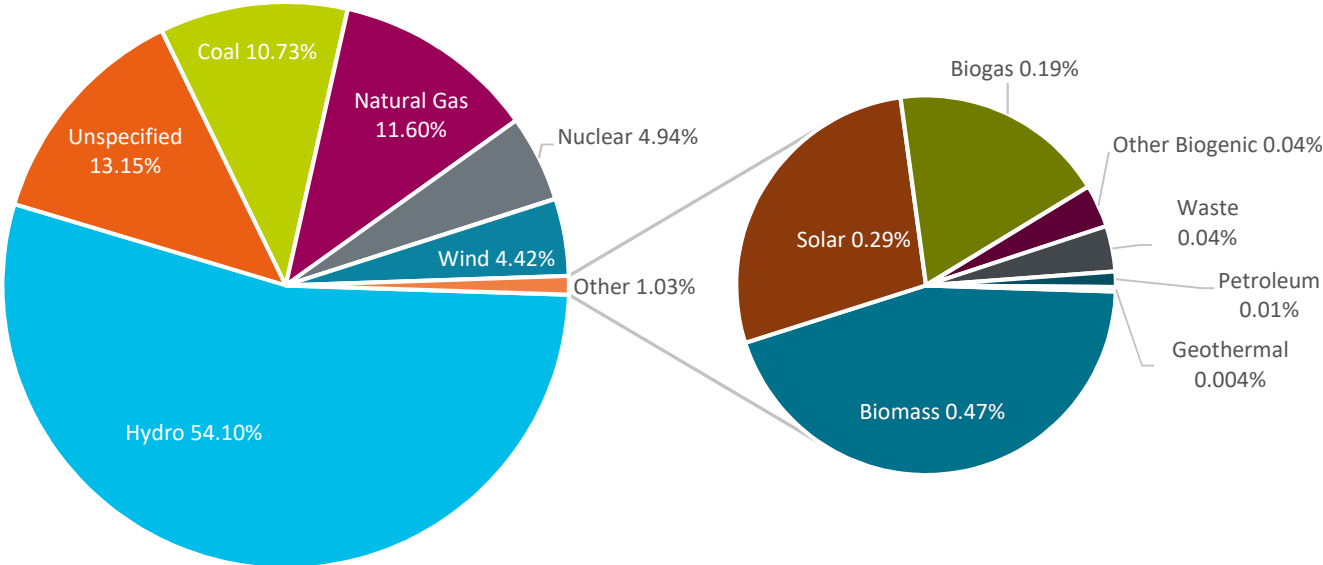
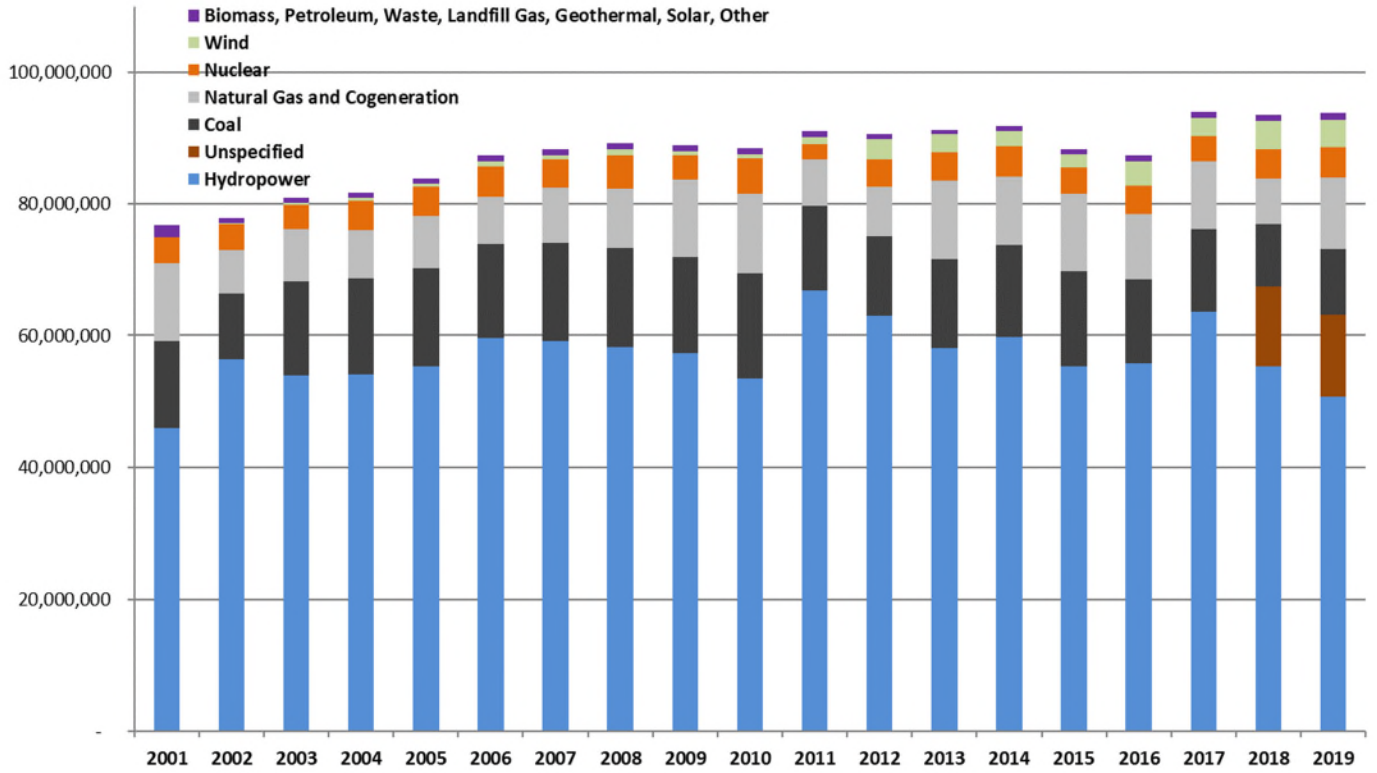


Table 1: Washington State Electric Utilities: Aggregate Fuel Mix 2019

| Fuel Type | Total Electric Power MWh | Share of total |
|-------------------|--------------------------|----------------|
| Hydro | 50,754,566 | 54.10% |
| Unspecified Power | 12,339,325 | 13.15% |
| Natural Gas | 10,877,913 | 11.60% |
| Coal | 10,069,295 | 10.73% |
| Nuclear | 4,637,654 | 4.94% |
| Wind | 4,144,546 | 4.42% |
| Biomass | 440,016 | 0.47% |
| Solar | 273,906 | 0.29% |
| Biogas | 182,344 | 0.19% |
| Waste | 38,334 | 0.04% |
| Other Biogenic | 35,950 | 0.04% |
| Petroleum | 13,089 | 0.01% |
| Geothermal | 3,660 | 0.00% |

Figure 2: Washington State Electric Utilities: Aggregate Fuel Mix Time Series 2001-2019 (MWh)



**Table 2: Washington State Electric Utilities: Aggregate Fuel Mix Time Series 2001-2019
(Megawatt-hours)**

| Fuel Source | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 |
|--------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Hydropower | 56,339,641 | 53,850,478 | 54,132,176 | 55,342,273 | 59,609,529 | 59,203,647 | 58,235,550 | 57,214,771 | 53,412,121 |
| Coal | 10,076,412 | 14,336,264 | 14,459,001 | 14,860,017 | 14,245,188 | 14,866,637 | 15,034,912 | 14,672,973 | 15,955,168 |
| Cogeneration | 3,971,751 | 3,590,493 | 2,717,321 | 2,660,660 | 2,766,515 | 2,157,302 | 1,635,296 | 1,867,355 | 1,731,728 |
| Natural Gas | 2,634,328 | 4,370,728 | 4,662,035 | 5,325,475 | 4,553,447 | 6,302,442 | 7,385,757 | 9,979,345 | 10,476,257 |
| Nuclear | 3,858,716 | 3,726,175 | 4,591,072 | 4,403,537 | 4,513,216 | 4,326,265 | 5,083,665 | 3,653,541 | 5,430,617 |
| Biomass | 392,378 | 434,700 | 536,643 | 587,085 | 392,712 | 460,983 | 415,226 | 445,076 | 492,371 |
| Petroleum | 22,244 | 34,957 | 53,046 | 44,233 | 62,232 | 69,267 | 69,937 | 94,360 | 81,372 |
| Waste | 23,471 | 139,056 | 102,864 | 150,955 | 331,963 | 288,528 | 276,669 | 296,180 | 332,719 |
| Geothermal | - | - | - | - | 14,399 | 11,189 | 16,866 | 19,237 | 17,376 |
| Landfill Gas | 220,705 | 75,125 | 134,122 | 80,500 | 57,858 | 49,041 | 23,043 | 16,058 | 18,787 |
| Wind | 163,134 | 320,540 | 346,470 | 432,667 | 867,392 | 545,622 | 1,010,928 | 587,994 | 567,281 |
| Other | 233,995 | 6,991 | 37,379 | 31,156 | 10,863 | 12,923 | 19,391 | 28,650 | 28,504 |
| Solar | | | | | | | | | |
| Unspecified | | | | | | | | | |
| Total | 77,936,775 | 80,885,507 | 81,772,129 | 83,918,558 | 87,425,313 | 88,293,846 | 89,207,239 | 88,875,541 | 88,544,303 |

| Fuel Source | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
|--------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Hydropower | 66,847,397 | 62,984,536 | 58,074,493 | 59,723,805 | 55,306,859 | 55,948,538 | 63,644,891 | 55,340,207 | 50,754,566 |
| Coal | 12,900,636 | 12,149,258 | 13,519,852 | 14,026,540 | 14,388,993 | 12,338,072 | 12,593,438 | 9,556,048 | 10,069,295 |
| Cogeneration | 1,319,055 | 486,609 | 1,126,515 | 926,691 | | | | | |
| Natural Gas | 5,684,223 | 6,952,877 | 10,823,275 | 9,515,792 | 11,807,835 | 10,055,032 | 10,181,880 | 6,861,147 | 10,877,913 |
| Nuclear | 2,390,245 | 4,239,398 | 4,247,504 | 4,617,391 | 4,021,955 | 4,307,607 | 3,941,745 | 4,441,378 | 4,637,654 |
| Biomass | 446,890 | 310,812 | 260,972 | 300,416 | 401,408 | 684,569 | 562,311 | 417,963 | 440,016 |
| Petroleum | 68,539 | 67,580 | 64,611 | 59,674 | 47,108 | 65,498 | 103,244 | 15,854 | 13,089 |
| Waste | 336,948 | 303,066 | 221,914 | 203,960 | 158,887 | 113,732 | 172,753 | 35,627 | 38,334 |
| Geothermal | 18,107 | 17,003 | 16,138 | 17,911 | 16,085 | | 0 | 3,540 | 3,660 |
| Landfill Gas | 49,209 | 83,665 | 60,741 | 104,431 | 133,132 | 148,177 | 121,566 | 184,859 | 182,344 |
| Wind | 1,017,702 | 3,011,137 | 2,859,415 | 2,219,613 | 2,029,032 | 3,661,267 | 2,674,081 | 4,288,021 | 4,144,546 |
| Other | 27,307 | 36,396 | 39,528 | 59,964 | | 48,095 | 36,678 | 42,931 | 35,950 |
| Solar | | 1,433 | 1,709 | 6,618 | 8,807 | 3,491 | 3,071 | 263,695 | 273,906 |
| Unspecified | | | | | | | | 12,095,395 | 12,339,325 |
| Total | 91,106,257 | 90,643,771 | 91,316,669 | 91,782,808 | 88,320,101 | 87,374,078 | 94,035,658 | 93,548,683 | 93,810,599 |

Northwest Power Pool Fuel Mix

Figure 3 and Table 3 show the mix of generation resources for the NWPP in 2019.

Figure 3: Northwest Power Pool Generation 2019

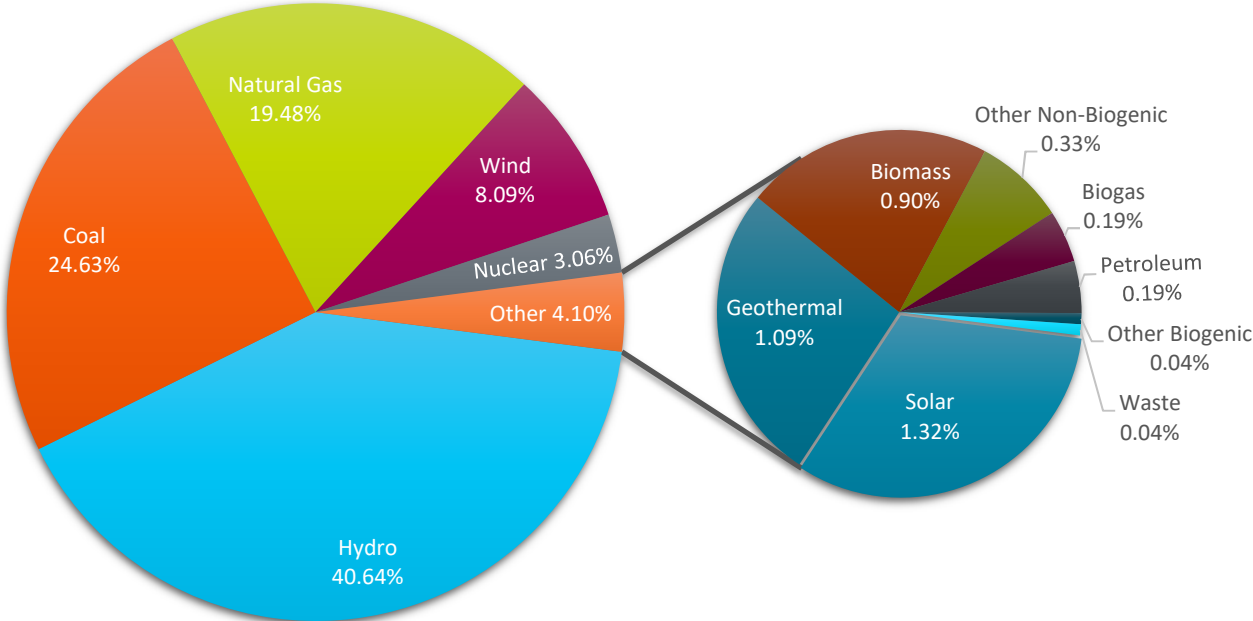


Table 3: 2019 Northwest Power Pool Generation by Fuel Category¹

| Fuel Category | Net Generation MWh | Fuel Category Share |
|--------------------|--------------------|---------------------|
| Hydro | 114,844,517 | 40.64% |
| Coal | 71,443,150 | 24.63% |
| Natural Gas | 56,506,304 | 19.48% |
| Wind | 23,452,803 | 8.09% |
| Nuclear | 8,866,499 | 3.06% |
| Geothermal | 3,156,663 | 1.09% |
| Waste | 102,864 | 0.04% |
| Other Biogenic | 122,102 | 0.04% |
| Petroleum | 546,758 | 0.19% |
| Biogas | 547,496 | 0.19% |
| Solar | 3,841,219 | 1.32% |
| Other non-Biogenic | 964,910 | 0.33% |
| Biomass | 2,615,775 | 0.90% |
| Total | 290,001,060 | 100.00% |

¹ Net power plant generation is used in the WA fuel mix disclosure process. Some entities report power as gross generation, which does not include power plant parasitic losses.

Appendix A: Utility Fuel Mix Disclosure Reports

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 | 83.16 % | 4,229 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.45 % | 582 |
| 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 | 5.39 % | 274 |
| Total | 100.00 % | 5,085 |

BPA Claims

| Fuel | MWh |
|--------------------------|--------------|
| Hydro | 4,229 |
| Nuclear | 582 |
| SubTotal | 4,811 |
| BPA Unspecified Purchase | 274 |
| BPA Total | 5,085 |

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 | 83.16 % | 4,040 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.45 % | 556 |
| 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 | 5.39 % | 262 |
| Total | 100.00 % | 4,858 |

BPA Claims

| Fuel | MWh |
|--------------------------|--------------|
| Hydro | 4,040 |
| Nuclear | 556 |
| SubTotal | 4,596 |
| BPA Unspecified Purchase | 261 |
| BPA Total | 4,857 |

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 | 4.86 % | 294,725 |
| Coal | 15.02 % | 910,161 |
| Geothermal | 0.00 % | 0 |
| Hydro | 37.83 % | 2,293,318 |
| Natural Gas | 37.97 % | 2,301,131 |
| Nuclear | 0.00 % | 0 |
| Other Biogenic | 0.52 % | 31,364 |
| Other Non-Biogenic | 0.00 % | 0 |
| Petroleum | 0.01 % | 878 |
| Solar | 0.00 % | 0 |
| Unknown | 0.00 % | 0 |
| Waste | 0.63 % | 38,334 |
| Wind | 3.16 % | 191,675 |
| Unspecified | 0.00 % | 0 |
| Total | 100.00 % | 6,061,586 |

Claims on Power Plants

| Plant Name | Fuel | MWh | Total MWh |
|---------------------------------|------------------------|-----------|-----------|
| Boulder Park | Natural Gas | 38,531 | 38,531 |
| Cabinet Gorge | Water | 454,036 | 454,036 |
| Clearwater Paper IPP Lewiston | Residual Fuel Oil | 0 | |
| | Distillate Fuel Oil | 0 | |
| | Wood/Wood Waste Solids | 30,625 | |
| | Black Liquor | 105,852 | |
| Colstrip | Natural Gas | 26,730 | 163,207 |
| | Subbituminous Coal | 910,161 | |
| | Distillate Fuel Oil | 608 | |
| | Gaseous Propane | 0 | |
| Coyote Springs II | Waste/Other Oil | 271 | 911,039 |
| | Natural Gas | 1,088,749 | 1,088,749 |
| Kettle Falls Generating Station | Wood/Wood Waste Solids | 136,775 | |
| | Natural Gas | 8,045 | 144,820 |
| Little Falls (WA) | Water | 94,440 | 94,440 |
| Long Lake | Water | 252,489 | 252,489 |
| Meyers Falls | Water | 5,127 | 5,127 |
| Monroe Street | Water | 44,931 | 44,931 |
| Nine Mile | Water | 54,780 | 54,780 |
| Northeast (WA) | Natural Gas | 1,992 | 1,992 |
| Noxon Rapids | Water | 720,871 | 720,871 |
| Palouse | Wind | 191,675 | 191,675 |
| Plummer Cogen | Wood/Wood Waste Solids | 21,473 | 21,473 |
| Post Falls | Water | 31,455 | 31,455 |
| Priest Rapids | Water | 161,203 | 161,203 |

| | | | |
|-------------------------|------------------------------------|------------------|------------------|
| Rathdrum | Natural Gas | 101,455 | 101,455 |
| Rathdrum Power LLC | Natural Gas | 1,035,629 | 1,035,629 |
| Rocky Reach | Water | 206,928 | 206,928 |
| Sheep Creek Hydro | Water | 3,706 | 3,706 |
| Spokane Waste to Energy | Biogenic Municipal Solid Waste | 31,364 | |
| | Non-biogenic Municipal Solid Waste | 38,334 | 69,698 |
| Upper Falls | Water | 30,483 | 30,483 |
| Upriver Dam Hydro Plant | Water | 21,624 | 21,624 |
| Wells | Water | 211,245 | 211,245 |
| Total | | 6,061,587 | 6,061,586 |

Benton County PUD #1

Utility Fuel Mix

| Fuel | Percent | Total MWh |
|--------------------|-----------------|------------------|
| Biogas | 1.72 % | 31,543 |
| Biomass | 0.00 % | 0 |
| Coal | 0.00 % | 0 |
| Geothermal | 0.00 % | 0 |
| Hydro | 74.10 % | 1,355,995 |
| Natural Gas | 2.72 % | 49,804 |
| Nuclear | 10.15 % | 185,679 |
| 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 % | 95,582 |
| Unspecified | 6.09 % | 111,514 |
| Total | 100.00 % | 1,830,117 |

BPA Claims

| Fuel | MWh |
|--------------------------|------------------|
| Hydro | 1,347,993 |
| Nuclear | 185,679 |
| SubTotal | 1,533,672 |
| BPA Unspecified Purchase | 87,324 |
| BPA Total | 1,620,996 |

Utility Unspecified Purchases

| Type | MWh |
|----------------------|---------------|
| Unspecified Purchase | 24,190 |
| Total | 24,190 |

Claims on Power Plants

| Plant Name | Fuel | MWh | Total MWh |
|------------------------------|--------------|----------------|----------------|
| Condon Windpower LLC | Wind | 2,734 | 2,734 |
| FPL Energy Vansycle LLC (WA) | Wind | 5,526 | 5,526 |
| Frederickson Power LP | Natural Gas | 49,804 | 49,804 |
| Klondike Wind Power | Wind | 1,271 | 1,271 |
| Klondike Windpower III | Wind | 3,447 | 3,447 |
| LRI LFGTE Facility | Landfill Gas | 31,543 | 31,543 |
| Nine Canyon | Wind | 22,393 | 22,393 |
| Packwood | Water | 8,002 | 8,002 |
| White Creek Wind Farm | Wind | 23,400 | 23,400 |
| Yahoo Creek | Wind | 36,811 | 36,811 |
| Total | | 184,931 | 184,931 |

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 | 72.99 % | 432,379 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 10.05 % | 59,558 |
| 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 | 16.96 % | 100,457 |
| Total | 100.00 % | 592,394 |

BPA Claims

| Fuel | MWh |
|--------------------------|----------------|
| Hydro | 432,379 |
| Nuclear | 59,558 |
| SubTotal | 491,937 |
| BPA Unspecified Purchase | 28,011 |
| BPA Total | 519,948 |

Utility Unspecified Purchases

| Type | MWh |
|----------------------|---------------|
| Unspecified Purchase | 72,446 |
| Total | 72,446 |

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 | 79.34 % | 454,510 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 10.93 % | 62,606 |
| 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 % | 0 |
| Unspecified | 9.73 % | 55,724 |
| Total | 100.00 % | 572,840 |

BPA Claims

| Fuel | MWh |
|--------------------------|----------------|
| Hydro | 454,510 |
| Nuclear | 62,606 |
| SubTotal | 517,116 |
| BPA Unspecified Purchase | 29,442 |
| BPA Total | 546,558 |

Utility Unspecified Purchases

| Type | MWh |
|----------------------|---------------|
| Unspecified Purchase | 26,280 |
| Total | 26,280 |

BPA (WA) indust

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 |

Centralia City Light

Utility Fuel Mix

| Fuel | Percent | Total MWh |
|--------------------|-----------------|----------------|
| Biogas | 0.00 % | 0 |
| Biomass | 0.00 % | 0 |
| Coal | 3.28 % | 8,825 |
| Geothermal | 0.00 % | 0 |
| Hydro | 84.44 % | 227,386 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 8.35 % | 22,490 |
| Other Biogenic | 0.00 % | 0 |
| Other Non-Biogenic | 0.00 % | 0 |
| Petroleum | 0.00 % | 11 |
| Solar | 0.00 % | 0 |
| Unknown | 0.00 % | 0 |
| Waste | 0.00 % | 0 |
| Wind | 0.00 % | 0 |
| Unspecified | 3.93 % | 10,577 |
| Total | 100.00 % | 269,289 |

BPA Claims

| Fuel | MWh |
|--------------------------|----------------|
| Hydro | 163,272 |
| Nuclear | 22,490 |
| SubTotal | 185,762 |
| BPA Unspecified Purchase | 10,577 |
| BPA Total | 196,339 |

Claims on Power Plants

| Plant Name | Fuel | MWh | Total MWh |
|--------------------------------|---------------------|---------------|---------------|
| Transalta Centralia Generation | Waste/Other Coal | 0 | |
| | Refined Coal | 8,825 | |
| | Subbituminous Coal | 0 | |
| | Distillate Fuel Oil | 11 | 8,836 |
| Yelm | Water | 64,114 | 64,114 |
| Total | | 72,950 | 72,950 |

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 | 99.99 % | 1,768,862 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 0.00 % | 0 |
| Other Biogenic | 0.00 % | 0 |
| Other Non-Biogenic | 0.00 % | 0 |
| Petroleum | 0.00 % | 35 |
| Solar | 0.00 % | 0 |
| Unknown | 0.00 % | 0 |
| Waste | 0.00 % | 0 |
| Wind | 0.01 % | 196 |
| Unspecified | 0.00 % | 0 |
| Total | 100.00 % | 1,769,093 |

Claims on Power Plants

| Plant Name | Fuel | MWh | Total MWh |
|-----------------|---------------------|------------------|------------------|
| Chelan | Water | 265,084 | 265,084 |
| Nine Canyon | Wind | 196 | 196 |
| Rock Island | Water | 234,078 | 234,078 |
| Rocky Reach | Water | 1,268,552 | 1,268,552 |
| Stehekin Diesel | Distillate Fuel Oil | 35 | 35 |
| Stehekin Hydro | Water | 1,148 | 1,148 |
| Total | | 1,769,093 | 1,769,093 |

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 | 74.90 % | 126,395 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 10.32 % | 17,410 |
| 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 | 14.78 % | 24,939 |
| Total | 100.00 % | 168,744 |

BPA Claims

| Fuel | MWh |
|--------------------------|----------------|
| Hydro | 126,395 |
| Nuclear | 17,410 |
| SubTotal | 143,805 |
| BPA Unspecified Purchase | 8,188 |
| BPA Total | 151,993 |

Utility Unspecified Purchases

| Type | MWh |
|----------------------|---------------|
| Unspecified Purchase | 16,751 |
| Total | 16,751 |

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 | 83.16 % | 17,600 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.45 % | 2,424 |
| 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 | 5.39 % | 1,140 |
| Total | 100.00 % | 21,164 |

BPA Claims

| Fuel | MWh |
|--------------------------|---------------|
| Hydro | 17,600 |
| Nuclear | 2,424 |
| SubTotal | 20,024 |
| BPA Unspecified Purchase | 1,140 |
| BPA Total | 21,164 |

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 | 83.16 % | 67,995 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.45 % | 9,366 |
| 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 | 5.39 % | 4,405 |
| Total | 100.00 % | 81,766 |

BPA Claims

| Fuel | MWh |
|--------------------------|---------------|
| Hydro | 67,995 |
| Nuclear | 9,366 |
| SubTotal | 77,361 |
| BPA Unspecified Purchase | 4,405 |
| BPA Total | 81,766 |

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 | 83.31 % | 564,773 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.35 % | 76,934 |
| 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 | 5.34 % | 36,182 |
| Total | 100.00 % | 677,889 |

BPA Claims

| Fuel | MWh |
|--------------------------|----------------|
| Hydro | 558,526 |
| Nuclear | 76,934 |
| SubTotal | 635,460 |
| BPA Unspecified Purchase | 36,182 |
| BPA Total | 671,642 |

Claims on Power Plants

| Plant Name | Fuel | MWh | Total MWh |
|------------------------------------|-------|--------------|--------------|
| Distributed Generation--Hydro (WA) | Water | 288 | 288 |
| Packwood | Water | 5,959 | 5,959 |
| Total | | 6,247 | 6,247 |

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 | 46.04 % | 2,172,989 |
| Natural Gas | 31.43 % | 1,483,490 |
| Nuclear | 6.31 % | 297,888 |
| 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 | 3.51 % | 165,736 |
| Unspecified | 12.71 % | 599,970 |
| Total | 100.00 % | 4,720,073 |

BPA Claims

| Fuel | MWh |
|--------------------------|------------------|
| Hydro | 2,162,612 |
| Nuclear | 297,888 |
| SubTotal | 2,460,500 |
| BPA Unspecified Purchase | 140,097 |
| BPA Total | 2,600,597 |

Utility Unspecified Purchases

| Type | MWh |
|----------------------|----------------|
| Unspecified Purchase | 459,873 |
| Total | 459,873 |

Claims on Power Plants

| Plant Name | Fuel | MWh | Total MWh |
|--|-------------|------------------|------------------|
| Eurus Combine Hills Turbine Ranch 2 | Wind | 165,736 | 165,736 |
| Packwood | Water | 10,377 | 10,377 |
| River Road Gen Plant | Natural Gas | 1,483,490 | 1,483,490 |
| Total | | 1,659,603 | 1,659,603 |

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 | 82.94 % | 19,376 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.42 % | 2,669 |
| 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 | 5.64 % | 1,319 |
| Total | 100.00 % | 23,364 |

BPA Claims

| Fuel | MWh |
|--------------------------|---------------|
| Hydro | 19,376 |
| Nuclear | 2,669 |
| SubTotal | 22,045 |
| BPA Unspecified Purchase | 1,255 |
| BPA Total | 23,300 |

Utility Unspecified Purchases

| Type | MWh |
|----------------------|-----------|
| Unspecified Purchase | 64 |
| Total | 64 |

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 | 77.77 % | 289,890 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 10.71 % | 39,931 |
| 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 | 11.52 % | 42,926 |
| Total | 100.00 % | 372,747 |

BPA Claims

| Fuel | MWh |
|--------------------------|----------------|
| Hydro | 289,890 |
| Nuclear | 39,931 |
| SubTotal | 329,821 |
| BPA Unspecified Purchase | 18,780 |
| BPA Total | 348,601 |

Utility Unspecified Purchases

| Type | MWh |
|----------------------|---------------|
| Unspecified Purchase | 24,147 |
| Total | 24,147 |

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 | 83.16 % | 14,412 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.45 % | 1,985 |
| 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 | 5.39 % | 934 |
| Total | 100.00 % | 17,331 |

BPA Claims

| Fuel | MWh |
|--------------------------|---------------|
| Hydro | 14,412 |
| Nuclear | 1,985 |
| SubTotal | 16,397 |
| BPA Unspecified Purchase | 933 |
| BPA Total | 17,330 |

Cowlitz County PUD #1

Utility Fuel Mix

| Fuel | Percent | Total MWh |
|--------------------|-----------------|------------------|
| Biogas | 0.00 % | 0 |
| Biomass | 1.56 % | 70,914 |
| Coal | 0.05 % | 2,477 |
| Geothermal | 0.00 % | 0 |
| Hydro | 63.05 % | 2,869,329 |
| Natural Gas | 0.30 % | 13,558 |
| Nuclear | 8.65 % | 393,705 |
| Other Biogenic | 0.02 % | 1,084 |
| Other Non-Biogenic | 0.00 % | 0 |
| Petroleum | 0.00 % | 104 |
| Solar | 0.01 % | 558 |
| Unknown | 0.00 % | 0 |
| Waste | 0.00 % | 0 |
| Wind | 7.65 % | 348,335 |
| Unspecified | 18.71 % | 851,589 |
| Total | 100.00 % | 4,551,653 |

BPA Claims

| Fuel | MWh |
|--------------------------|------------------|
| Hydro | 2,858,227 |
| Nuclear | 393,705 |
| SubTotal | 3,251,932 |
| BPA Unspecified Purchase | 185,159 |
| BPA Total | 3,437,091 |

Utility Unspecified Purchases

| Type | MWh |
|----------------------|----------------|
| Unspecified Purchase | 666,429 |
| Total | 666,429 |

Claims on Power Plants

| Plant Name | Fuel | MWh | Total MWh |
|--|------------------------|---------|-----------|
| American Falls Solar | Solar | 558 | 558 |
| Cold Springs Windfarm | Wind | 16,713 | 16,713 |
| Condon Windpower LLC | Wind | 6,274 | 6,274 |
| Desert Meadow Windfarm | Wind | 36,888 | 36,888 |
| FPL Energy Vansycle LLC (WA) | Wind | 10,855 | 10,855 |
| Harvest Wind Project | Wind | 108,593 | 108,593 |
| High Mesa | Wind | 92,794 | 92,794 |
| Horse Butte Wind I, LLC | Wind | 3,357 | 3,357 |
| Klondike Wind Power | Wind | 2,502 | 2,502 |
| Klondike Windpower III | Wind | 16,520 | 16,520 |
| Longview Fibre | Natural Gas | 8,844 | |
| | Black Liquor | 38,278 | |
| | Wood/Wood Waste Solids | 12,314 | 59,436 |
| Nine Canyon | Wind | 16,633 | 16,633 |
| Nippon Dynawave Packaging Longview WA | Black Liquor | 15,426 | |
| | Sludge Waste | 1,084 | |
| | Subbituminous Coal | 2,477 | |
| | Natural Gas | 4,715 | |
| | Wood/Wood Waste Solids | 4,896 | |
| | Distillate Fuel Oil | 13 | |
| | Residual Fuel Oil | 91 | 28,701 |
| Power County Wind Park North | Wind | 19,302 | 19,302 |
| Power County Wind Park South | Wind | 17,904 | 17,904 |

| | | | |
|---------------|-------|----------------|----------------|
| Priest Rapids | Water | 5,553 | 5,553 |
| Swift 2 | Water | 106,195 | 106,195 |
| Wanapum | Water | 5,548 | 5,548 |
| Total | | 554,327 | 554,326 |

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 | 81.16 % | 958,834 |
| 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 | 18.84 % | 222,550 |
| Total | 100.00 % | 1,181,384 |

Utility Unspecified Purchases

| Type | MWh |
|----------------------|----------------|
| Unspecified Purchase | 222,549 |
| Total | 222,549 |

Claims on Power Plants

| Plant Name | Fuel | MWh | Total MWh |
|--------------|-------|----------------|----------------|
| Rocky Reach | Water | 268,412 | 268,412 |
| Wells | Water | 690,422 | 690,422 |
| Total | | 958,834 | 958,834 |

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 | 83.16 % | 23,019 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.45 % | 3,171 |
| 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 | 5.39 % | 1,491 |
| Total | 100.00 % | 27,681 |

BPA Claims

| Fuel | MWh |
|--------------------------|---------------|
| Hydro | 23,019 |
| Nuclear | 3,171 |
| SubTotal | 26,190 |
| BPA Unspecified Purchase | 1,490 |
| BPA Total | 27,680 |

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 | 83.16 % | 179,564 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.45 % | 24,734 |
| 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 | 5.39 % | 11,632 |
| Total | 100.00 % | 215,930 |

BPA Claims

| Fuel | MWh |
|--------------------------|----------------|
| Hydro | 179,564 |
| Nuclear | 24,734 |
| SubTotal | 204,298 |
| BPA Unspecified Purchase | 11,633 |
| BPA Total | 215,931 |

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 | 83.16 % | 233,279 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.45 % | 32,133 |
| 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 | 5.39 % | 15,112 |
| Total | 100.00 % | 280,524 |

BPA Claims

| Fuel | MWh |
|--------------------------|----------------|
| Hydro | 233,279 |
| Nuclear | 32,133 |
| SubTotal | 265,412 |
| BPA Unspecified Purchase | 15,112 |
| BPA Total | 280,524 |

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 | 83.16 % | 59,750 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.45 % | 8,230 |
| 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 | 5.39 % | 3,871 |
| Total | 100.00 % | 71,851 |

BPA Claims

| Fuel | MWh |
|--------------------------|---------------|
| Hydro | 59,750 |
| Nuclear | 8,230 |
| SubTotal | 67,980 |
| BPA Unspecified Purchase | 3,871 |
| BPA Total | 71,851 |

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 | 77.83 % | 864,739 |
| Natural Gas | 4.05 % | 45,027 |
| Nuclear | 10.60 % | 117,812 |
| 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 | 0.51 % | 5,713 |
| Unspecified | 7.01 % | 77,901 |
| Total | 100.00 % | 1,111,192 |

BPA Claims

| Fuel | MWh |
|--------------------------|------------------|
| Hydro | 855,290 |
| Nuclear | 117,812 |
| SubTotal | 973,102 |
| BPA Unspecified Purchase | 55,407 |
| BPA Total | 1,028,509 |

Utility Unspecified Purchases

| Type | MWh |
|----------------------|---------------|
| Unspecified Purchase | 22,495 |
| Total | 22,495 |

Claims on Power Plants

| Plant Name | Fuel | MWh | Total MWh |
|------------------------------------|-------------|---------------|---------------|
| Distributed Generation--Hydro (WA) | Water | 3,453 | 3,453 |
| Frederickson Power LP | Natural Gas | 45,027 | 45,027 |
| Nine Canyon | Wind | 5,713 | 5,713 |
| Packwood | Water | 5,996 | 5,996 |
| Total | | 60,189 | 60,189 |

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 | 23.52 % | 1,241,265 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 0.10 % | 5,052 |
| 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 | 0.47 % | 24,744 |
| Unspecified | 75.91 % | 4,005,790 |
| Total | 100.00 % | 5,276,851 |

BPA Claims

| Fuel | MWh |
|--------------------------|---------------|
| Hydro | 36,678 |
| Nuclear | 5,052 |
| SubTotal | 41,730 |
| BPA Unspecified Purchase | 2,375 |
| BPA Total | 44,105 |

Utility Unspecified Purchases

| Type | MWh |
|----------------------|------------------|
| Unspecified Purchase | 4,003,415 |
| Total | 4,003,415 |

Claims on Power Plants

| Plant Name | Fuel | MWh | Total MWh |
|---------------|-------|------------------|------------------|
| Nine Canyon | Wind | 24,744 | 24,744 |
| PEC Headworks | Water | 18,680 | 18,680 |
| Priest Rapids | Water | 562,056 | 562,056 |
| Quincy Chute | Water | 26,280 | 26,280 |
| Wanapum | Water | 597,571 | 597,571 |
| Total | | 1,229,331 | 1,229,331 |

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 | 83.16 % | 790,972 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.45 % | 108,952 |
| 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 | 5.39 % | 51,240 |
| Total | 100.00 % | 951,164 |

BPA Claims

| Fuel | MWh |
|--------------------------|----------------|
| Hydro | 790,972 |
| Nuclear | 108,952 |
| SubTotal | 899,924 |
| BPA Unspecified Purchase | 51,240 |
| BPA Total | 951,164 |

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 | 82.26 % | 837,949 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.33 % | 115,423 |
| 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 | 6.41 % | 65,328 |
| Total | 100.00 % | 1,018,700 |

BPA Claims

| Fuel | MWh |
|--------------------------|------------------|
| Hydro | 837,949 |
| Nuclear | 115,423 |
| SubTotal | 953,372 |
| BPA Unspecified Purchase | 54,285 |
| BPA Total | 1,007,657 |

Utility Unspecified Purchases

| Type | MWh |
|----------------------|---------------|
| Unspecified Purchase | 11,044 |
| Total | 11,044 |

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 | 83.16 % | 325,975 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.45 % | 44,901 |
| 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 | 5.39 % | 21,117 |
| Total | 100.00 % | 391,993 |

BPA Claims

| Fuel | MWh |
|--------------------------|----------------|
| Hydro | 325,975 |
| Nuclear | 44,901 |
| SubTotal | 370,876 |
| BPA Unspecified Purchase | 21,116 |
| BPA Total | 391,992 |

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 | 83.16 % | 24,147 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.45 % | 3,326 |
| 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 | 5.39 % | 1,564 |
| Total | 100.00 % | 29,037 |

BPA Claims

| Fuel | MWh |
|--------------------------|---------------|
| Hydro | 24,147 |
| Nuclear | 3,326 |
| SubTotal | 27,473 |
| BPA Unspecified Purchase | 1,565 |
| BPA Total | 29,038 |

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 | 84.69 % | 95,517 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 10.41 % | 11,745 |
| 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 | 4.90 % | 5,524 |
| Total | 100.00 % | 112,786 |

BPA Claims

| Fuel | MWh |
|--------------------------|----------------|
| Hydro | 85,266 |
| Nuclear | 11,745 |
| SubTotal | 97,011 |
| BPA Unspecified Purchase | 5,523 |
| BPA Total | 102,534 |

Claims on Power Plants

| Plant Name | Fuel | MWh | Total MWh |
|--------------|-------|---------------|---------------|
| Wanapum | Water | 10,251 | 10,251 |
| Total | | 10,251 | 10,251 |

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 | 73.30 % | 333,684 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 9.00 % | 40,964 |
| 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 | 17.70 % | 80,585 |
| Total | 100.00 % | 455,233 |

BPA Claims

| Fuel | MWh |
|--------------------------|----------------|
| Hydro | 297,389 |
| Nuclear | 40,964 |
| SubTotal | 338,353 |
| BPA Unspecified Purchase | 19,267 |
| BPA Total | 357,620 |

Utility Unspecified Purchases

| Type | MWh |
|----------------------|---------------|
| Unspecified Purchase | 61,319 |
| Total | 61,319 |

Claims on Power Plants

| Plant Name | Fuel | MWh | Total MWh |
|------------------------------------|-------|---------------|---------------|
| McNary Dam Fish Attraction Project | Water | 34,559 | 34,559 |
| Packwood | Water | 1,736 | 1,736 |
| Total | | 36,295 | 36,295 |

Kootenai 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 | 83.16 % | 2,328 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.45 % | 321 |
| 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 | 5.39 % | 151 |
| Total | 100.00 % | 2,800 |

BPA Claims

| Fuel | MWh |
|--------------------------|--------------|
| Hydro | 2,328 |
| Nuclear | 321 |
| SubTotal | 2,649 |
| BPA Unspecified Purchase | 152 |
| BPA Total | 2,801 |

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 | 83.16 % | 219,316 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.45 % | 30,210 |
| 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 | 5.39 % | 14,208 |
| Total | 100.00 % | 263,734 |

BPA Claims

| Fuel | MWh |
|--------------------------|----------------|
| Hydro | 219,316 |
| Nuclear | 30,210 |
| SubTotal | 249,526 |
| BPA Unspecified Purchase | 14,206 |
| BPA Total | 263,732 |

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 | 75.28 % | 719,408 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 10.32 % | 98,599 |
| Other Biogenic | 0.00 % | 0 |
| Other Non-Biogenic | 0.00 % | 0 |
| Petroleum | 0.00 % | 0 |
| Solar | 5.61 % | 53,584 |
| Unknown | 0.00 % | 0 |
| Waste | 0.00 % | 0 |
| Wind | 3.94 % | 37,660 |
| Unspecified | 4.85 % | 46,371 |
| Total | 100.00 % | 955,622 |

BPA Claims

| Fuel | MWh |
|--------------------------|----------------|
| Hydro | 715,807 |
| Nuclear | 98,599 |
| SubTotal | 814,406 |
| BPA Unspecified Purchase | 46,372 |
| BPA Total | 860,778 |

Claims on Power Plants

| Plant Name | Fuel | MWh | Total MWh |
|-------------------------|-------|---------------|---------------|
| American Falls Solar | Solar | 13,664 | 13,664 |
| American Falls Solar II | Solar | 18,728 | 18,728 |
| Burton Creek Hydro | Water | 1,217 | 1,217 |
| Mill Creek | Water | 657 | 657 |
| Nine Canyon | Wind | 37,660 | 37,660 |
| Orchard Ranch Solar | Solar | 12,149 | 12,149 |
| Packwood | Water | 1,727 | 1,727 |
| Simcoe Solar | Solar | 9,043 | 9,043 |
| Total | | 94,845 | 94,845 |

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 | 84.00 % | 65,455 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 10.88 % | 8,482 |
| 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 | 5.12 % | 3,989 |
| Total | 100.00 % | 77,926 |

BPA Claims

| Fuel | MWh |
|--------------------------|---------------|
| Hydro | 61,574 |
| Nuclear | 8,482 |
| SubTotal | 70,056 |
| BPA Unspecified Purchase | 3,988 |
| BPA Total | 74,044 |

Claims on Power Plants

| Plant Name | Fuel | MWh | Total MWh |
|----------------------------|-------|--------------|--------------|
| Lilliwaup Falls Generating | Water | 3,459 | 3,459 |
| Rocky Brook Hydroelectric | Water | 422 | 422 |
| Total | | 3,881 | 3,881 |

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 | 76.53 % | 526,886 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 10.42 % | 71,777 |
| Other Biogenic | 0.00 % | 0 |
| Other Non-Biogenic | 0.00 % | 0 |
| Petroleum | 0.00 % | 0 |
| Solar | 0.03 % | 206 |
| Unknown | 0.00 % | 0 |
| Waste | 0.00 % | 0 |
| Wind | 8.12 % | 55,894 |
| Unspecified | 4.90 % | 33,757 |
| Total | 100.00 % | 688,520 |

BPA Claims

| Fuel | MWh |
|--------------------------|----------------|
| Hydro | 521,091 |
| Nuclear | 71,777 |
| SubTotal | 592,868 |
| BPA Unspecified Purchase | 33,757 |
| BPA Total | 626,625 |

Claims on Power Plants

| Plant Name | Fuel | MWh | Total MWh |
|------------------------------------|---------|---------------|---------------|
| BPA--Dedicated Resource Type Sales | Unknown | | 0 |
| Condon Windpower LLC | Wind | 1,088 | 1,088 |
| Distributed Generation--Solar (WA) | Solar | 206 | 206 |
| FPL Energy Vansycle LLC (WA) | Wind | 2,197 | 2,197 |
| Klondike Wind Power | Wind | 507 | 507 |
| Klondike Windpower III | Wind | 1,364 | 1,364 |
| Nine Canyon | Wind | 6,199 | 6,199 |
| Packwood | Water | 5,795 | 5,795 |
| White Creek Wind Farm | Wind | 44,539 | 44,539 |
| Total | | 61,895 | 61,895 |

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 | 83.16 % | 26,097 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.45 % | 3,595 |
| 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 | 5.39 % | 1,691 |
| Total | 100.00 % | 31,383 |

BPA Claims

| Fuel | MWh |
|--------------------------|---------------|
| Hydro | 26,097 |
| Nuclear | 3,595 |
| SubTotal | 29,692 |
| BPA Unspecified Purchase | 1,690 |
| BPA Total | 31,382 |

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 | 83.16 % | 47,677 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.45 % | 6,567 |
| 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 | 5.39 % | 3,089 |
| Total | 100.00 % | 57,333 |

BPA Claims

| Fuel | MWh |
|--------------------------|---------------|
| Hydro | 47,677 |
| Nuclear | 6,567 |
| SubTotal | 54,244 |
| BPA Unspecified Purchase | 3,089 |
| BPA Total | 57,333 |

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 | 83.16 % | 196,771 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.45 % | 27,104 |
| 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 | 5.39 % | 12,747 |
| Total | 100.00 % | 236,622 |

BPA Claims

| Fuel | MWh |
|--------------------------|----------------|
| Hydro | 196,771 |
| Nuclear | 27,104 |
| SubTotal | 223,875 |
| BPA Unspecified Purchase | 12,746 |
| BPA Total | 236,621 |

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 | 83.16 % | 52,847 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.45 % | 7,279 |
| 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 | 5.39 % | 3,424 |
| Total | 100.00 % | 63,550 |

BPA Claims

| Fuel | MWh |
|--------------------------|---------------|
| Hydro | 52,847 |
| Nuclear | 7,279 |
| SubTotal | 60,126 |
| BPA Unspecified Purchase | 3,424 |
| BPA Total | 63,550 |

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 | 84.24 % | 124 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 10.72 % | 16 |
| 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 | 5.04 % | 7 |
| Total | 100.00 % | 147 |

BPA Claims

| Fuel | MWh |
|--------------------------|------------|
| Hydro | 115 |
| Nuclear | 16 |
| SubTotal | 131 |
| BPA Unspecified Purchase | 8 |
| BPA Total | 139 |

Claims on Power Plants

| Plant Name | Fuel | MWh | Total MWh |
|--------------|-------|----------|-----------|
| Lake Creek | Water | 9 | 9 |
| Total | | 9 | 9 |

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 | 83.16 % | 73,424 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.45 % | 10,114 |
| 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 | 5.39 % | 4,756 |
| Total | 100.00 % | 88,294 |

BPA Claims

| Fuel | MWh |
|--------------------------|---------------|
| Hydro | 73,424 |
| Nuclear | 10,114 |
| SubTotal | 83,538 |
| BPA Unspecified Purchase | 4,757 |
| BPA Total | 88,295 |

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 | 81.23 % | 54,409 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.19 % | 7,494 |
| 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 | 7.58 % | 5,076 |
| Total | 100.00 % | 66,979 |

BPA Claims

| Fuel | MWh |
|--------------------------|---------------|
| Hydro | 54,409 |
| Nuclear | 7,494 |
| SubTotal | 61,903 |
| BPA Unspecified Purchase | 3,525 |
| BPA Total | 65,428 |

Utility Unspecified Purchases

| Type | MWh |
|----------------------|--------------|
| Unspecified Purchase | 1,551 |
| Total | 1,551 |

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 | 80.97 % | 511,601 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 6.71 % | 42,384 |
| 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 | 3.51 % | 22,196 |
| Unspecified | 8.81 % | 55,690 |
| Total | 100.00 % | 631,871 |

BPA Claims

| Fuel | MWh |
|--------------------------|----------------|
| Hydro | 307,701 |
| Nuclear | 42,384 |
| SubTotal | 350,085 |
| BPA Unspecified Purchase | 19,933 |
| BPA Total | 370,018 |

Utility Unspecified Purchases

| Type | MWh |
|----------------------|---------------|
| Unspecified Purchase | 35,757 |
| Total | 35,757 |

Claims on Power Plants

| Plant Name | Fuel | MWh | Total MWh |
|--------------|-------|----------------|----------------|
| Nine Canyon | Wind | 22,196 | 22,196 |
| Wells | Water | 203,900 | 203,900 |
| Total | | 226,096 | 226,096 |

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 | 82.33 % | 182,658 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.34 % | 25,160 |
| 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 | 6.33 % | 14,046 |
| Total | 100.00 % | 221,864 |

BPA Claims

| Fuel | MWh |
|--------------------------|----------------|
| Hydro | 182,658 |
| Nuclear | 25,160 |
| SubTotal | 207,818 |
| BPA Unspecified Purchase | 11,832 |
| BPA Total | 219,650 |

Utility Unspecified Purchases

| Type | MWh |
|----------------------|--------------|
| Unspecified Purchase | 2,213 |
| Total | 2,213 |

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 | 76.18 % | 239,921 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 10.49 % | 33,048 |
| 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 | 13.33 % | 41,972 |
| Total | 100.00 % | 314,941 |

BPA Claims

| Fuel | MWh |
|--------------------------|----------------|
| Hydro | 239,921 |
| Nuclear | 33,048 |
| SubTotal | 272,969 |
| BPA Unspecified Purchase | 15,543 |
| BPA Total | 288,512 |

Utility Unspecified Purchases

| Type | MWh |
|----------------------|---------------|
| Unspecified Purchase | 26,429 |
| Total | 26,429 |

Pacific Power (WA)

Utility Fuel Mix

| Fuel | Percent | Total MWh |
|--------------------|-----------------|------------------|
| Biogas | 0.00 % | 0 |
| Biomass | 0.00 % | 0 |
| Coal | 45.31 % | 2,065,708 |
| Geothermal | 0.00 % | 0 |
| Hydro | 10.83 % | 493,887 |
| Natural Gas | 17.62 % | 803,354 |
| Nuclear | 0.17 % | 7,867 |
| Other Biogenic | 0.00 % | 0 |
| Other Non-Biogenic | 0.00 % | 0 |
| Petroleum | 0.04 % | 1,696 |
| Solar | 0.00 % | 0 |
| Unknown | 0.00 % | 0 |
| Waste | 0.00 % | 0 |
| Wind | 1.92 % | 87,461 |
| Unspecified | 24.11 % | 1,099,503 |
| Total | 100.00 % | 4,559,476 |

BPA Claims

| Fuel | MWh |
|--------------------------|---------------|
| Hydro | 57,114 |
| Nuclear | 7,867 |
| SubTotal | 64,981 |
| BPA Unspecified Purchase | 3,700 |
| BPA Total | 68,681 |

Utility Unspecified Purchases

| Type | MWh |
|----------------------|------------------|
| Unspecified Purchase | 1,095,803 |
| Total | 1,095,803 |

Claims on Power Plants

| Plant Name | Fuel | MWh | Total MWh |
|------------------------------|---------------------|-----------|-----------|
| Bend | Water | 338 | 338 |
| Campbell Hill Windpower | Wind | 9,690 | 9,690 |
| Chehalis Generating Facility | Distillate Fuel Oil | 0 | |
| | Natural Gas | 498,853 | 498,853 |
| Clearwater 1 | Water | 5,720 | 5,720 |
| Clearwater 2 | Water | 7,775 | 7,775 |
| Colstrip | Gaseous Propane | 0 | |
| | Waste/Other Oil | 34 | |
| | Subbituminous Coal | 112,872 | |
| | Distillate Fuel Oil | 75 | 112,981 |
| Copco 1 | Water | 18,631 | 18,631 |
| Copco 2 | Water | 23,567 | 23,567 |
| Dunlap | Wind | 11,613 | 11,613 |
| Eagle Point | Water | 3,649 | 3,649 |
| Fall Creek | Water | 1,312 | 1,312 |
| Fish Creek | Water | 4,538 | 4,538 |
| Glenrock | Wind | 9,339 | 9,339 |
| Goodnoe Hills | Wind | 3,680 | 3,680 |
| Hermiston Generating Plant | Natural Gas | 304,501 | 304,501 |
| Iron Gate | Water | 22,001 | 22,001 |
| Jim Bridger | Subbituminous Coal | 1,952,836 | |
| | Distillate Fuel Oil | 1,587 | 1,954,423 |
| John C Boyle | Water | 49,064 | 49,064 |
| Leaning Juniper | Wind | 7,531 | 7,531 |

| | | | |
|------------------------------------|-------|------------------|------------------|
| Lemolo 1 | Water | 23,213 | 23,213 |
| Lemolo 2 | Water | 30,975 | 30,975 |
| Marengo Wind Plant | Wind | 18,011 | 18,011 |
| Merwin | Water | 32,195 | 32,195 |
| Prospect 1 | Water | 1,847 | 1,847 |
| Prospect 2 | Water | 40,857 | 40,857 |
| Prospect 3 | Water | 5,127 | 5,127 |
| Prospect 4 | Water | 394 | 394 |
| Seven Mile Hill | Wind | 10,561 | 10,561 |
| Slide Creek | Water | 10,042 | 10,042 |
| Soda Springs | Water | 8,269 | 8,269 |
| Swift 1 | Water | 41,797 | 41,797 |
| Toketee Falls | Water | 41,965 | 41,965 |
| Top of the World Windpower Project | Wind | 17,036 | 17,036 |
| Wallowa Falls | Water | 596 | 596 |
| West Side | Water | -4 | -4 |
| Yale | Water | 62,901 | 62,901 |
| Total | | 3,394,988 | 3,394,988 |

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 | 83.16 % | 97,445 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.45 % | 13,422 |
| 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 | 5.39 % | 6,313 |
| Total | 100.00 % | 117,180 |

BPA Claims

| Fuel | MWh |
|--------------------------|----------------|
| Hydro | 97,445 |
| Nuclear | 13,422 |
| SubTotal | 110,867 |
| BPA Unspecified Purchase | 6,313 |
| BPA Total | 117,180 |

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 | 90.53 % | 888,412 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 2.43 % | 23,859 |
| 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 | 7.04 % | 69,079 |
| Total | 100.00 % | 981,350 |

BPA Claims

| Fuel | MWh |
|--------------------------|----------------|
| Hydro | 173,209 |
| Nuclear | 23,859 |
| SubTotal | 197,068 |
| BPA Unspecified Purchase | 11,220 |
| BPA Total | 208,288 |

Utility Unspecified Purchases

| Type | MWh |
|----------------------|---------------|
| Unspecified Purchase | 57,858 |
| Total | 57,858 |

Claims on Power Plants

| Plant Name | Fuel | MWh | Total MWh |
|--------------|-------|----------------|----------------|
| Boundary | Water | 318,158 | 318,158 |
| Box Canyon | Water | 397,045 | 397,045 |
| Total | | 715,203 | 715,203 |

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 | 75.96 % | 465,337 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 10.46 % | 64,098 |
| 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 | 8.66 % | 53,039 |
| Unspecified | 4.92 % | 30,145 |
| Total | 100.00 % | 612,619 |

BPA Claims

| Fuel | MWh |
|--------------------------|----------------|
| Hydro | 465,337 |
| Nuclear | 64,098 |
| SubTotal | 529,435 |
| BPA Unspecified Purchase | 30,146 |
| BPA Total | 559,581 |

Claims on Power Plants

| Plant Name | Fuel | MWh | Total MWh |
|------------------------------|------|---------------|---------------|
| Condon Windpower LLC | Wind | 8,163 | 8,163 |
| FPL Energy Vansycle LLC (WA) | Wind | 22,938 | 22,938 |
| Harvest Wind Project | Wind | 2,043 | 2,043 |
| Horse Butte Wind I, LLC | Wind | 2,789 | 2,789 |
| Klondike Wind Power | Wind | 15,874 | 15,874 |
| Klondike Windpower III | Wind | 1,232 | 1,232 |
| Total | | 53,039 | 53,039 |

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 | 83.16 % | 228,522 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.45 % | 31,478 |
| 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 | 0.00 % | 0 |
| Unspecified | 5.39 % | 14,804 |
| Total | 100.00 % | 274,804 |

BPA Claims

| Fuel | MWh |
|--------------------------|----------------|
| Hydro | 228,522 |
| Nuclear | 31,478 |
| SubTotal | 260,000 |
| BPA Unspecified Purchase | 14,805 |
| BPA Total | 274,805 |

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 | 83.16 % | 121,828 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.45 % | 16,781 |
| 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 | 5.39 % | 7,892 |
| Total | 100.00 % | 146,501 |

BPA Claims

| Fuel | MWh |
|--------------------------|----------------|
| Hydro | 121,828 |
| Nuclear | 16,781 |
| SubTotal | 138,609 |
| BPA Unspecified Purchase | 7,892 |
| BPA Total | 146,501 |

Puget Sound Energy

Utility Fuel Mix

| Fuel | Percent | Total MWh |
|--------------------|-----------------|-------------------|
| Biogas | 0.14 % | 31,058 |
| Biomass | 0.06 % | 13,108 |
| Coal | 31.98 % | 7,082,124 |
| Geothermal | 0.02 % | 3,660 |
| Hydro | 17.17 % | 3,802,122 |
| Natural Gas | 27.92 % | 6,180,741 |
| Nuclear | 0.27 % | 59,591 |
| Other Biogenic | 0.00 % | 0 |
| Other Non-Biogenic | 0.00 % | 0 |
| Petroleum | 0.04 % | 8,860 |
| Solar | 0.87 % | 193,072 |
| Unknown | 0.00 % | 0 |
| Waste | 0.00 % | 0 |
| Wind | 8.26 % | 1,827,750 |
| Unspecified | 13.27 % | 2,937,304 |
| Total | 100.00 % | 22,139,390 |

BPA Claims

| Fuel | MWh |
|--------------------------|----------------|
| Hydro | 432,617 |
| Nuclear | 59,591 |
| SubTotal | 492,208 |
| BPA Unspecified Purchase | 28,025 |
| BPA Total | 520,233 |

Utility Unspecified Purchases

| Type | MWh |
|----------------------|------------------|
| Unspecified Purchase | 2,909,278 |
| Total | 2,909,278 |

Claims on Power Plants

| Plant Name | Fuel | MWh | Total MWh |
|--|------------------------|-----------|-----------|
| Ballston Solar LLC | Solar | 2,101 | 2,101 |
| Bennett Creek Windfarm LLC - Mountain Home | Wind | 2,056 | 2,056 |
| Black Creek | Water | 7,421 | 7,421 |
| Black Eagle Solar, LLC | Solar | 3,002 | 3,002 |
| Boring Solar LLC | Solar | 908 | 908 |
| Camp Reed | Wind | 16,515 | 16,515 |
| Campbell Hill Windpower | Wind | 5,000 | 5,000 |
| Colstrip | Gaseous Propane | 0 | |
| | Distillate Fuel Oil | 2,678 | |
| | Waste/Other Oil | 1,193 | |
| | Subbituminous Coal | 4,012,334 | 4,016,205 |
| Condon Windpower LLC | Wind | 2,115 | 2,115 |
| Crystal Mountain | Distillate Fuel Oil | 170 | 170 |
| Distributed Generation--Biomass (WA) | Wood/Wood Waste Solids | 13,108 | 13,108 |
| Distributed Generation--Solar (WA) | Solar | 48,546 | 48,546 |
| Electron | Water | 132,703 | 132,703 |
| Elkhorn Valley Wind Farm | Wind | 10,000 | 10,000 |
| Emerald City Renewables | Landfill Gas | 7,500 | 7,500 |
| Encogen | Distillate Fuel Oil | 0 | |
| | Natural Gas | 370,092 | 370,092 |
| Escalante Solar I, LLC | Solar | 1,788 | 1,788 |
| Escalante Solar II, LLC | Solar | 2,768 | 2,768 |
| Farm Power Lynden | Other Biomass Gas | 4,875 | 4,875 |

| | | | |
|---------------------------------------|--------------------------------|-----------|-----------|
| Farm Power Rexville | Other Biomass Gas | 7,593 | 7,593 |
| Ferndale Generating Station | Distillate Fuel Oil | 73 | |
| | Natural Gas | 967,847 | 967,920 |
| Finley Buttes Landfill Gas | Landfill Gas | 1,813 | 1,813 |
| Fossil Gulch | Wind | 1,648 | 1,648 |
| FPL Energy Vansycle LLC (WA) | Wind | 3,890 | 3,890 |
| Frederickson | Distillate Fuel Oil | 157 | |
| | Natural Gas | 75,005 | 75,162 |
| Frederickson Power LP | Natural Gas | 618,695 | 618,695 |
| Fredonia | Distillate Fuel Oil | 438 | |
| | Natural Gas | 178,887 | 179,325 |
| Glenrock | Wind | 2,034 | 2,034 |
| Golden Valley Wind Park LLC | Wind | 10,169 | 10,169 |
| Goldendale Generating Station | Natural Gas | 1,794,064 | 1,794,064 |
| Goodnoe Hills | Wind | 12,400 | 12,400 |
| Grand View Solar Two | Solar | 41,752 | 41,752 |
| Granite Mountain Solar East, LLC | Solar | 2,330 | 2,330 |
| Granite Mountain Solar West, LLC | Solar | 121 | 121 |
| Great Divide Solar, LLC | Solar | 2,957 | 2,957 |
| Green Meadow Solar, LLC | Solar | 2,993 | 2,993 |
| Hidden Hollow Energy | Landfill Gas | 5,687 | 5,687 |
| Hopkins Ridge Wind | Wind | 217,498 | 217,498 |
| Horse Butte Wind I, LLC | Wind | 27 | 27 |
| Horseshoe Bend Wind Park | Wind | 10,841 | 10,841 |
| Hot Springs Windfarm LLC | Wind | 1,719 | 1,719 |
| ID Solar | Solar | 17,030 | 17,030 |
| Klondike Wind Power | Wind | 968 | 968 |
| Klondike Windpower III | Wind | 64,389 | 64,389 |
| Koma Kulshan Associates | Water | 27,514 | 27,514 |
| Labish Solar LLC | Solar | 2,124 | 2,124 |
| Leaning Juniper | Wind | 2,500 | 2,500 |
| Lower Baker | Water | 263,356 | 263,356 |
| Lower Snake River Wind Energy Project | Wind | 868,687 | 868,687 |
| Magpie Solar, LLC | Solar | 2,902 | 2,902 |
| Marengo Wind Plant | Wind | 45,720 | 45,720 |
| Meadow Creek Project Company | Wind | 50,105 | 50,105 |
| Mint Farm Generating Station | Natural Gas | 1,722,576 | 1,722,576 |
| Murphy Flat Solar | Solar | 9,587 | 9,587 |
| Neal Hot Springs Geothermal Project | Geothermal | 250 | 250 |
| Nine Canyon | Wind | 15,861 | 15,861 |
| Nooksack Hydro | Water | 21,046 | 21,046 |
| NorWest Energy 9 LLC | Electricity for Energy Storage | 0 | |
| | Solar | 1,000 | 1,000 |
| OR Solar 3, LLC | Solar | 2,288 | 2,288 |
| OR Solar 5, LLC | Solar | 2,417 | 2,417 |
| OR Solar 6, LLC | Solar | 3,186 | 3,186 |
| Orchard Ranch Solar | Solar | 8,855 | 8,855 |
| Oregon Trail Wind Park | Wind | 7,172 | 7,172 |
| Priest Rapids | Water | 21,534 | 21,534 |
| Raft River Geothermal Power Plant | Geothermal | 3,410 | 3,410 |
| Rock Island | Water | 538,460 | 538,460 |

| | | | |
|--------------------------------------|---------------------|-------------------|-------------------|
| Rockland Wind Farm | Wind | 59,978 | 59,978 |
| Rocky Reach | Water | 1,109,789 | 1,109,789 |
| Simcoe Solar | Solar | 12,140 | 12,140 |
| Skookumchuck | Water | 2,149 | 2,149 |
| Smith Creek (Whatcom County, WA) | Water | 82 | 82 |
| Snoqualmie | Water | 45,401 | 45,401 |
| Snoqualmie 2 | Water | 128,457 | 128,457 |
| South Mills Solar, LLC | Solar | 2,609 | 2,609 |
| Sumas Power Plant | Natural Gas | 446,745 | 446,745 |
| Swauk Wind LLC | Wind | 15,418 | 15,418 |
| Sygitowicz Creek | Water | 382 | 382 |
| Threemile Canyon | Wind | 2,017 | 2,017 |
| Top of the World Windpower Project | Wind | 10,657 | 10,657 |
| Transalta Centralia Generation | Waste/Other Coal | 0 | |
| | Refined Coal | 3,069,790 | |
| | Subbituminous Coal | 0 | |
| | Distillate Fuel Oil | 3,709 | 3,073,500 |
| Tuana Gulch Wind Park | Wind | 5,434 | 5,434 |
| Twin Falls Hydro | Water | 48,642 | 48,642 |
| Upper Baker | Water | 242,901 | 242,901 |
| Utah Red Hills Renewable Energy Park | Solar | 10,002 | 10,002 |
| Van Dyk -S Holsteins | Other Biomass Gas | 1,580 | 1,580 |
| Vanderhaak Dairy Digester | Other Biomass Gas | 2,010 | 2,010 |
| Wanapum | Water | 20,780 | 20,780 |
| Ward Butte Windfarm LLC | Wind | 7,340 | 7,340 |
| Weeks Falls | Water | 8,695 | 8,695 |
| Wells | Water | 750,193 | 750,193 |
| White Creek Wind Farm | Wind | 9,063 | 9,063 |
| Whitehorn | Distillate Fuel Oil | 440 | |
| | Natural Gas | 6,830 | 7,270 |
| Wild Horse | Solar | 220 | |
| | Wind | 347,361 | 347,581 |
| Wolverine Creek | Wind | 19,168 | 19,168 |
| Woodline Solar | Solar | 9,446 | 9,446 |
| Total | | 18,709,876 | 18,709,877 |

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 | 81.71 % | 829,731 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.26 % | 114,291 |
| 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 | 7.03 % | 71,423 |
| Total | 100.00 % | 1,015,445 |

BPA Claims

| Fuel | MWh |
|--------------------------|----------------|
| Hydro | 829,731 |
| Nuclear | 114,291 |
| SubTotal | 944,022 |
| BPA Unspecified Purchase | 53,750 |
| BPA Total | 997,772 |

Utility Unspecified Purchases

| Type | MWh |
|----------------------|---------------|
| Unspecified Purchase | 17,673 |
| Total | 17,673 |

Ruston, Town of

Utility Fuel Mix

| Fuel | Percent | Total MWh |
|--------------------|-----------------|--------------|
| Biogas | 0.00 % | 0 |
| Biomass | 0.60 % | 46 |
| Coal | 0.00 % | 0 |
| Geothermal | 0.00 % | 0 |
| Hydro | 82.33 % | 6,215 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 7.10 % | 536 |
| Other Biogenic | 0.00 % | 0 |
| Other Non-Biogenic | 0.00 % | 0 |
| Petroleum | 0.00 % | 0 |
| Solar | 0.01 % | 0 |
| Unknown | 0.00 % | 0 |
| Waste | 0.00 % | 0 |
| Wind | 6.62 % | 499 |
| Unspecified | 3.34 % | 252 |
| Total | 100.00 % | 7,548 |

BPA Claims

| Fuel | MWh |
|--------------------------|--------------|
| Hydro | 3,888 |
| Nuclear | 536 |
| SubTotal | 4,424 |
| BPA Unspecified Purchase | 253 |
| BPA Total | 4,677 |

Claims on Power Plants

| Plant Name | Fuel | MWh | Total MWh |
|--|------------------------|-----|-----------|
| Alder | Water | 178 | 178 |
| Bennett Creek Windfarm LLC - Mountain Home | Wind | 47 | 47 |
| Burley Butte Windpark | Wind | 95 | 95 |
| Condon Windpower LLC | Wind | 12 | 12 |
| Cosmo Specialty Fibers Plant | Wood/Wood Waste Solids | 9 | |
| | Subbituminous Coal | 0 | |
| | Petroleum Coke | 0 | |
| | Wood Waste Liquids | 36 | |
| | Waste/Other Oil | 0 | |
| | Bituminous Coal | 0 | |
| | Residual Fuel Oil | 0 | 46 |
| Cushman 1 | Water | 95 | 95 |
| Cushman 2 | Water | 133 | 133 |
| Distributed Generation--Solar (WA) | Solar | 0 | 0 |
| FPL Energy Vansycle LLC (OR) | Wind | 86 | 86 |
| FPL Energy Vansycle LLC (WA) | Wind | 24 | 24 |
| Grand Coulee Project Hydro Authority | Water | 274 | 274 |
| Hood Street Reservoir | Water | 4 | 4 |
| Hot Springs Windfarm LLC | Wind | 1 | 1 |
| Klondike Wind Power | Wind | 5 | 5 |
| Klondike Windpower III | Wind | 14 | 14 |
| LaGrande | Water | 305 | 305 |
| Mayfield | Water | 560 | 560 |

| | | | | |
|------------------------------|-------|--|--------------|--------------|
| Milner Dam Wind Park LLC | Wind | | 88 | 88 |
| Mossyrock | Water | | 734 | 734 |
| Nine Canyon | Wind | | 24 | 24 |
| Payne's Ferry | Wind | | 18 | 18 |
| Pilgrim Stage Wind Park | Wind | | 52 | 52 |
| Power County Wind Park South | Wind | | 12 | 12 |
| Priest Rapids | Water | | 13 | 13 |
| Salmon Falls Wind Park | Wind | | 9 | 9 |
| Thousand Springs Wind Park | Wind | | 12 | 12 |
| Wanapum | Water | | 14 | 14 |
| Wynoochee | Water | | 17 | 17 |
| Yahoo Creek | Wind | | 0 | 0 |
| Total | | | 2,871 | 2,872 |

Seattle City Light

Utility Fuel Mix

| Fuel | Percent | Total MWh |
|--------------------|-----------------|------------------|
| Biogas | 1.26 % | 119,743 |
| Biomass | 0.00 % | 0 |
| Coal | 0.00 % | 0 |
| Geothermal | 0.00 % | 0 |
| Hydro | 83.45 % | 7,935,518 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 5.18 % | 492,317 |
| 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 | 3.67 % | 349,239 |
| Unspecified | 6.44 % | 612,790 |
| Total | 100.00 % | 9,509,607 |

BPA Claims

| Fuel | MWh |
|--------------------------|------------------|
| Hydro | 3,574,130 |
| Nuclear | 492,317 |
| SubTotal | 4,066,447 |
| BPA Unspecified Purchase | 231,537 |
| BPA Total | 4,297,984 |

Utility Unspecified Purchases

| Type | MWh |
|----------------------|----------------|
| Unspecified Purchase | 381,253 |
| Total | 381,253 |

Claims on Power Plants

| Plant Name | Fuel | MWh | Total MWh |
|------------------------------|-------|-----------|-----------|
| Bonneville | Water | 3,691 | 3,691 |
| Boundary | Water | 1,940,364 | 1,940,364 |
| Cedar Falls (WA) | Water | 37,231 | 37,231 |
| Chief Joseph | Water | 20,156 | 20,156 |
| Condon Windpower LLC | Wind | 5,428 | 5,428 |
| Cougar | Water | 272 | 272 |
| Diablo | Water | 555,657 | 555,657 |
| Eitopia Branch Canal 4.6 | Water | 3,631 | 3,631 |
| Foote Creek I | Wind | 2,111 | 2,111 |
| FPL Energy Vansycle LLC (OR) | Wind | 317,594 | 317,594 |
| FPL Energy Vansycle LLC (WA) | Wind | 11,934 | 11,934 |
| Gorge | Water | 757,920 | 757,920 |
| Grand Coulee | Water | 32,076 | 32,076 |
| High Ross Treaty | Water | 289,865 | 289,865 |
| Klondike Wind Power | Wind | 3,349 | 3,349 |
| Klondike Windpower III | Wind | 8,823 | 8,823 |
| Lookout Point | Water | 820 | 820 |
| Main Canal Headworks | Water | 38,990 | 38,990 |
| Newhalem | Water | 0 | 0 |
| Palisades Dam | Water | 2,325 | 2,325 |
| Potholes East Canal 66.0 | Water | 1,953 | 1,953 |
| Priest Rapids | Water | 16,606 | 16,606 |
| Ross | Water | 476,234 | 476,234 |
| Russell D Smith | Water | 5,823 | 5,823 |

| | | | |
|---------------------------------------|-------------------|------------------|------------------|
| South Fork Tolt | Water | 26,694 | 26,694 |
| Summer Falls Power Plant | Water | 149,259 | 149,259 |
| Wanapum | Water | 1,821 | 1,821 |
| Waste Management Columbia Ridge LFGTE | Landfill Gas | 101,645 | 101,645 |
| West Point Treatment Plant | Natural Gas | 0 | |
| | Other Biomass Gas | 18,098 | 18,098 |
| Total | | 4,830,370 | 4,830,370 |

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 | 83.16 % | 120,635 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.45 % | 16,617 |
| 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 | 5.39 % | 7,815 |
| Total | 100.00 % | 145,067 |

BPA Claims

| Fuel | MWh |
|--------------------------|----------------|
| Hydro | 120,635 |
| Nuclear | 16,617 |
| SubTotal | 137,252 |
| BPA Unspecified Purchase | 7,815 |
| BPA Total | 145,067 |

Snohomish County PUD #1

Utility Fuel Mix

| Fuel | Percent | Total MWh |
|--------------------|-----------------|------------------|
| Biogas | 0.00 % | 0 |
| Biomass | 0.49 % | 33,466 |
| Coal | 0.00 % | 0 |
| Geothermal | 0.00 % | 0 |
| Hydro | 76.05 % | 5,232,168 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 10.47 % | 720,591 |
| Other Biogenic | 0.05 % | 3,502 |
| Other Non-Biogenic | 0.00 % | 0 |
| Petroleum | 0.00 % | 0 |
| Solar | 0.25 % | 17,328 |
| Unknown | 0.00 % | 0 |
| Waste | 0.00 % | 0 |
| Wind | 7.76 % | 533,563 |
| Unspecified | 4.93 % | 338,894 |
| Total | 100.00 % | 6,879,512 |

BPA Claims

| Fuel | MWh |
|--------------------------|------------------|
| Hydro | 5,231,357 |
| Nuclear | 720,591 |
| SubTotal | 5,951,948 |
| BPA Unspecified Purchase | 338,895 |
| BPA Total | 6,290,843 |

Claims on Power Plants

| Plant Name | Fuel | MWh | Total MWh |
|-------------------------------------|------------------------|----------------|----------------|
| Condon Windpower LLC | Wind | 10,859 | 10,859 |
| Distributed generation - solar (WA) | Solar | 17,328 | 17,328 |
| FPL Energy Vansycle LLC (WA) | Wind | 21,937 | 21,937 |
| Hampton Lumber Mill | Wood/Wood Waste Solids | 33,466 | 33,466 |
| Hay Canyon Wind Power LLC | Wind | 207,744 | 207,744 |
| Klondike Wind Power | Wind | 5,048 | 5,048 |
| Klondike Windpower III | Wind | 13,683 | 13,683 |
| Payne's Ferry | Wind | 2,932 | 2,932 |
| Qualco Energy | Other Biomass Solids | 3,502 | 3,502 |
| Thousand Springs Wind Park | Wind | 1,483 | 1,483 |
| Wheat Field Wind Power Project | Wind | 216,470 | 216,470 |
| White Creek Wind Farm | Wind | 53,407 | 53,407 |
| Woods Creek | Water | 811 | 811 |
| Total | | 588,670 | 588,670 |

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 | 83.16 % | 32,314 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.45 % | 4,451 |
| 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 | 5.39 % | 2,093 |
| Total | 100.00 % | 38,858 |

BPA Claims

| Fuel | MWh |
|--------------------------|---------------|
| Hydro | 32,314 |
| Nuclear | 4,451 |
| SubTotal | 36,765 |
| BPA Unspecified Purchase | 2,093 |
| BPA Total | 38,858 |

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 | 83.16 % | 26,949 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.45 % | 3,712 |
| 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 | 5.39 % | 1,746 |
| Total | 100.00 % | 32,407 |

BPA Claims

| Fuel | MWh |
|--------------------------|---------------|
| Hydro | 26,949 |
| Nuclear | 3,712 |
| SubTotal | 30,661 |
| BPA Unspecified Purchase | 1,747 |
| BPA Total | 32,408 |

Tacoma Power

Utility Fuel Mix

| Fuel | Percent | Total MWh |
|--------------------|-----------------|------------------|
| Biogas | 0.00 % | 0 |
| Biomass | 0.60 % | 29,262 |
| Coal | 0.00 % | 0 |
| Geothermal | 0.00 % | 0 |
| Hydro | 82.33 % | 3,991,968 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 7.10 % | 343,981 |
| Other Biogenic | 0.00 % | 0 |
| Other Non-Biogenic | 0.00 % | 0 |
| Petroleum | 0.00 % | 0 |
| Solar | 0.01 % | 310 |
| Unknown | 0.00 % | 0 |
| Waste | 0.00 % | 0 |
| Wind | 6.62 % | 320,831 |
| Unspecified | 3.34 % | 161,774 |
| Total | 100.00 % | 4,848,126 |

BPA Claims

| Fuel | MWh |
|--------------------------|------------------|
| Hydro | 2,497,239 |
| Nuclear | 343,981 |
| SubTotal | 2,841,220 |
| BPA Unspecified Purchase | 161,775 |
| BPA Total | 3,002,995 |

Claims on Power Plants

| Plant Name | Fuel | MWh | Total MWh |
|--|------------------------|---------|-----------|
| Alder | Water | 114,283 | 114,283 |
| Bennett Creek Windfarm LLC - Mountain Home | Wind | 29,898 | 29,898 |
| Burley Butte Windpark | Wind | 61,296 | 61,296 |
| Condon Windpower LLC | Wind | 7,492 | 7,492 |
| Cosmo Specialty Fibers Plant | Waste/Other Oil | 0 | |
| | Subbituminous Coal | 0 | |
| | Petroleum Coke | 0 | |
| | Wood Waste Liquids | 23,179 | |
| | Residual Fuel Oil | 0 | |
| | Wood/Wood Waste Solids | 6,083 | |
| | Bituminous Coal | 0 | 29,262 |
| Cushman 1 | Water | 61,015 | 61,015 |
| Cushman 2 | Water | 85,691 | 85,691 |
| Distributed Generation--Solar (WA) | Solar | 310 | 310 |
| FPL Energy Vansycle LLC (OR) | Wind | 55,000 | 55,000 |
| FPL Energy Vansycle LLC (WA) | Wind | 15,376 | 15,376 |
| Grand Coulee Project Hydro Authority | Water | 175,967 | 175,967 |
| Hood Street Reservoir | Water | 2,831 | 2,831 |
| Hot Springs Windfarm LLC | Wind | 335 | 335 |
| Klondike Wind Power | Wind | 3,439 | 3,439 |
| Klondike Windpower III | Wind | 9,285 | 9,285 |
| LaGrande | Water | 196,054 | 196,054 |
| Mayfield | Water | 359,456 | 359,456 |

| | | | | |
|------------------------------|-------|--|------------------|------------------|
| Milner Dam Wind Park LLC | Wind | | 56,611 | 56,611 |
| Mossyrock | Water | | 471,170 | 471,170 |
| Nine Canyon | Wind | | 15,580 | 15,580 |
| Payne's Ferry | Wind | | 11,793 | 11,793 |
| Pilgrim Stage Wind Park | Wind | | 33,492 | 33,492 |
| Power County Wind Park South | Wind | | 7,975 | 7,975 |
| Priest Rapids | Water | | 8,208 | 8,208 |
| Salmon Falls Wind Park | Wind | | 5,599 | 5,599 |
| Thousand Springs Wind Park | Wind | | 7,658 | 7,658 |
| Wanapum | Water | | 9,081 | 9,081 |
| Wynoochee | Water | | 10,973 | 10,973 |
| Yahoo Creek | Wind | | 2 | 2 |
| Total | | | 1,845,132 | 1,845,132 |

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 | 83.16 % | 14,412 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.45 % | 1,985 |
| 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 | 5.39 % | 934 |
| Total | 100.00 % | 17,331 |

BPA Claims

| Fuel | MWh |
|--------------------------|---------------|
| Hydro | 14,412 |
| Nuclear | 1,985 |
| SubTotal | 16,397 |
| BPA Unspecified Purchase | 933 |
| BPA Total | 17,330 |

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 | 76.27 % | 177,947 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 10.50 % | 24,511 |
| 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 | 13.23 % | 30,872 |
| Total | 100.00 % | 233,330 |

BPA Claims

| Fuel | MWh |
|--------------------------|----------------|
| Hydro | 177,947 |
| Nuclear | 24,511 |
| SubTotal | 202,458 |
| BPA Unspecified Purchase | 11,528 |
| BPA Total | 213,986 |

Utility Unspecified Purchases

| Type | MWh |
|----------------------|---------------|
| Unspecified Purchase | 19,345 |
| Total | 19,345 |

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 | 83.16 % | 36,017 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.45 % | 4,961 |
| 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 | 5.39 % | 2,333 |
| Total | 100.00 % | 43,311 |

BPA Claims

| Fuel | MWh |
|--------------------------|---------------|
| Hydro | 36,017 |
| Nuclear | 4,961 |
| SubTotal | 40,978 |
| BPA Unspecified Purchase | 2,332 |
| BPA Total | 43,310 |

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 | 83.16 % | 197,009 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.45 % | 27,137 |
| 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 | 5.39 % | 12,763 |
| Total | 100.00 % | 236,909 |

BPA Claims

| Fuel | MWh |
|--------------------------|----------------|
| Hydro | 197,009 |
| Nuclear | 27,137 |
| SubTotal | 224,146 |
| BPA Unspecified Purchase | 12,762 |
| BPA Total | 236,908 |

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 | 83.16 % | 120,218 |
| Natural Gas | 0.00 % | 0 |
| Nuclear | 11.45 % | 16,559 |
| 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 | 0.00 % | 0 |
| Unspecified | 5.39 % | 7,788 |
| Total | 100.00 % | 144,565 |

BPA Claims

| Fuel | MWh |
|--------------------------|----------------|
| Hydro | 120,218 |
| Nuclear | 16,559 |
| SubTotal | 136,777 |
| BPA Unspecified Purchase | 7,789 |
| BPA Total | 144,566 |

Need footnote for 2016 report