



STATE OF WASHINGTON

DEPARTMENT OF COMMERCE

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August 8, 2012

To: Washington Utility Representatives on Fuel Mix Disclosure

From: Angela Burrell, State Energy Office

Subject: 2012 Utility Fuel Mix Report (based on CY 2011 information)

Enclosed is your utility's fuel mix report to share with your Washington electricity retail customers. The report is based on calendar year 2011 data provided by your utility.

This year, it was evident that purchases from Stateline Wind Plants (WA and OR) were disproportionate to the amount generated at each site, yet the overall Stateline purchases were commensurate with production. We assumed that this was a matter of some utilities selecting the correct plant but the wrong location. In the interest of time, we opted to allocate the Stateline claims in proportion to each plant's fraction of the total electricity claimed. Therefore, if you reported Stateline purchases/claims, the figure will be distributed proportionally among the WA and OR plants (whether you purchased from one or both sites).

I have included the following for your reference:

- The **Net System Mix** -- the mix for the balance of power pool resources *after utilities' claims on specific resources are deducted*. (The Net System Mix is assigned to "spot" market purchases, which are non-contractual, or very short-term contract, purchases.)
- Tables describing your utility's **Fuel Mix** and **Claims** on generation.

If your utility reports "zero" in any fuel category, it is not necessary to include these fuels in the report to your customers. The zeros automatically print from our software program and are not edited out.

The Washington State Aggregate Fuel Mix will be posted on our website by the end of the month.

For questions, call: 360-725-3120 or email: Angela.Burrell@commerce.wa.gov

All available Washington State Fuel Mix Disclosure program publications are posted on our website at: <http://www.cted.wa.gov/site/539/default.aspx>

NWPP Net System Mix*

Calendar Year 2011

The Net System Mix is not the aggregate mix for the Northwest power pool. Rather, it is the mix for the balance of power pool resources *after utilities' claims on specific resources are deducted*. The Net System Mix is assigned to "spot" market purchases, which are non-contractual, or very short-term contract, purchases.

Biomass	0.79%
Coal (anthracite)	0.00%
Coal (bituminous)	36.02%
Coal (lignite)	0.62%
Coke	0.29%
Geothermal	0.00%
Hydro	50.07%
Landfill Gases	0.15%
Natural Gas	10.03%
Nuclear	1.25%
Other	0.12%
Petroleum (heavy oil)	0.01%
Petroleum (light oil)	0.07%
Solar--Photovoltaic	0.00%
Solar--Thermal	0.00%
Waste	0.59%
Wind	0.00%
Total	100.00%

*The net system mix is calculated for each fuel by deducting utility claims and plant use from reported generation. The percentages are used to calculate fuel amounts for each utility's market purchases.

Alder Mutual Light Co, Inc

Fuel Mix Calendar Year 2011

Biomass	0.12%
Coal	2.03%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	87.19%
Landfill Gases	0.01%
Natural Gas	0.64%
Nuclear	5.02%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	4.93%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Alder Mutual Light Co, Inc

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	2.110	3.829	5.939	0.12%
Coal	97.452	0.000	97.452	2.03%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	133.197	4,058.781	4,191.978	87.19%
Landfill Gases	0.402	0.000	0.402	0.01%
Natural Gas	26.671	3.937	30.609	0.64%
Nuclear	3.315	238.185	241.500	5.02%
Other	0.319	0.000	0.319	0.01%
Petroleum	0.984	0.000	0.984	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	1.568	0.000	1.568	0.03%
Wind	0.000	237.000	237.000	4.93%
Total	266.018	4,541.732	4,807.750	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Alder Mutual Light Co, Inc

Claims On Plants

Foote Creek I	Claim Type: PIntMix	59.000
	Wind	59.000
Condon Windpower LLC	Claim Type: PIntMix	178.000
	Wind	178.000

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Alder Mutual Light Co, Inc

Claims On BPA*

BPA Resource Mix	4,304.732
Biomass	3.829
Natural Gas	3.937
Nuclear	238.185
Water	4,058.781
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Alder Mutual Light Co, Inc

Market Purchases

Total Market Purchases	266.018
BPA Market Purchase*	266.018

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Avista Corporation (WA)

Fuel Mix Calendar Year 2011

Biomass	2.98%
Coal	22.75%
Cogeneration	0.23%
Geothermal	0.00%
Hydro	53.34%
Landfill Gases	0.03%
Natural Gas	18.36%
Nuclear	0.27%
Other	0.03%
Petroleum	0.09%
Solar	0.00%
Waste	1.91%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Avista Corporation (WA)

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	10,289.347	169,702.926	179,992.273	2.98%
Coal	475,332.702	897,850.136	1,373,182.838	22.75%
Cogeneration	0.000	14,149.492	14,149.492	0.23%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	649,678.034	2,569,036.000	3,218,714.034	53.34%
Landfill Gases	1,961.771	0.000	1,961.771	0.03%
Natural Gas	130,091.627	977,828.815	1,107,920.442	18.36%
Nuclear	16,170.798	0.000	16,170.798	0.27%
Other	1,554.155	0.000	1,554.155	0.03%
Petroleum	4,799.213	894.864	5,694.077	0.09%
Solar	0.000	0.000	0.000	0.00%
Waste	7,646.352	107,836.767	115,483.119	1.91%
Wind	0.000	0.000	0.000	0.00%
Total	1,297,524.000	4,737,299.000	6,034,823.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

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Avista Corporation (WA)

Claims On Plants

Noxon Rapids	Claim Type: PIntMix	773,691.000
	Water	773,691.000
Little Falls	Claim Type: PIntMix	133,793.000
	Water	133,793.000
Long Lake	Claim Type: PIntMix	348,506.000
	Water	348,506.000
Meyers Falls	Claim Type: PIntMix	6,345.000
	Water	6,345.000
Nine Mile	Claim Type: PIntMix	33,023.000
	Water	33,023.000
Rocky Reach	Claim Type: PIntMix	202,508.000
	Water	202,508.000
Wells	Claim Type: PIntMix	227,321.000
	Water	227,321.000
Priest Rapids	Claim Type: PIntMix	115,525.000
	Water	115,525.000
Wanapum	Claim Type: PIntMix	111,538.000
	Water	111,538.000

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Avista Corporation (WA)

Sheep Creek Hydro Inc	Claim Type: PlntMix	4,740.000
	Water	4,740.000
Upriver Dam Hydro Plant	Claim Type: PlntMix	37,846.000
	Water	37,846.000
Potlatch Corp Idaho Pulp	Claim Type: Cogen	162,893.000
	Natural Gas	14,149.492
	Waste	107,836.767
	Wood	40,906.741
Kettle Falls	Claim Type: PlntMix	106,765.000
	Natural Gas	691.815
	Wood	106,073.185
Plummer Sawmill	Claim Type: Cogen	22,723.000
	Wood	22,723.000
Rathdrum Power LLC	Claim Type: PlntMix	524,088.000
	Natural Gas	524,088.000
Colstrip	Claim Type: PlntMix	898,745.000
	Coal(bituminous)	897,850.136
	Petroleum(light oil)	612.512
	Petroleum(heavy oil)	282.352
Northeast	Claim Type: PlntMix	181.000
	Natural Gas	181.000
Rathdrum	Claim Type: PlntMix	4,883.000
	Natural Gas	4,883.000

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Avista Corporation (WA)

Coyote Springs II	Claim Type: PIntMix	442,284.000
	Natural Gas	442,284.000
Boulder Park	Claim Type: PIntMix	5,701.000
	Natural Gas	5,701.000
Cabinet Gorge	Claim Type: PIntMix	473,945.000
	Water	473,945.000
Post Falls	Claim Type: PIntMix	33,172.000
	Water	33,172.000
Monroe Street	Claim Type: PIntMix	40,205.000
	Water	40,205.000
Upper Falls	Claim Type: PIntMix	26,878.000
	Water	26,878.000

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Avista Corporation (WA)

Market Purchases

Total Market Purchases	1,297,524.000
Utility Market Purchase	1,297,524.000

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

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Benton Rural Electric Assn

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.22%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	91.61%
Landfill Gases	0.01%
Natural Gas	0.69%
Nuclear	5.27%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Benton Rural Electric Assn

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	277.892	484.260	762.152	0.13%
Coal	12,837.674	0.000	12,837.674	2.22%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	17,546.351	513,313.376	530,859.727	91.61%
Landfill Gases	52.983	0.000	52.983	0.01%
Natural Gas	3,513.484	497.951	4,011.435	0.69%
Nuclear	436.737	30,123.191	30,559.928	5.27%
Other	41.974	0.000	41.974	0.01%
Petroleum	129.616	0.000	129.616	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	206.511	0.000	206.511	0.04%
Wind	0.000	0.000	0.000	0.00%
Total	35,043.222	544,418.778	579,462.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Benton Rural Electric Assn

Claims On BPA*

BPA Resource Mix			544,418.778
	Biomass	484.260	
	Natural Gas	497.951	
	Nuclear		30,123.191
	Water	513,313.376	
	Wind	0.000	

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Benton Rural Electric Assn

Market Purchases

Total Market Purchases	35,043.222
BPA Market Purchase*	33,643.222
Utility Market Purchase	1,400.000

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Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Big Bend Electric Coop, Inc

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.20%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	91.64%
Landfill Gases	0.01%
Natural Gas	0.69%
Nuclear	5.28%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Big Bend Electric Coop, Inc

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	242.168	425.893	668.061	0.13%
Coal	11,187.340	0.000	11,187.340	2.20%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	15,290.699	451,444.845	466,735.544	91.64%
Landfill Gases	46.172	0.000	46.172	0.01%
Natural Gas	3,061.812	437.934	3,499.746	0.69%
Nuclear	380.593	26,492.509	26,873.102	5.28%
Other	36.578	0.000	36.578	0.01%
Petroleum	112.953	0.000	112.953	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	179.963	0.000	179.963	0.04%
Wind	0.000	0.000	0.000	0.00%
Total	30,538.279	478,801.181	509,339.460	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Big Bend Electric Coop, Inc

Claims On BPA*

BPA Resource Mix	478,801.181
Biomass	425.893
Natural Gas	437.934
Nuclear	26,492.509
Water	451,444.845
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Big Bend Electric Coop, Inc

Market Purchases

Total Market Purchases	30,538.279
BPA Market Purchase*	29,588.279
Utility Market Purchase	950.000

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

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Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Chewelah Light Department

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.13%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	91.71%
Landfill Gases	0.01%
Natural Gas	0.67%
Nuclear	5.28%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Chewelah Light Department

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	10.844	19.683	30.527	0.13%
Coal	500.956	0.000	500.956	2.13%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	684.699	20,864.217	21,548.916	91.71%
Landfill Gases	2.068	0.000	2.068	0.01%
Natural Gas	137.104	20.240	157.344	0.67%
Nuclear	17.042	1,224.392	1,241.434	5.28%
Other	1.638	0.000	1.638	0.01%
Petroleum	5.058	0.000	5.058	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	8.059	0.000	8.059	0.03%
Wind	0.000	0.000	0.000	0.00%
Total	1,367.468	22,128.532	23,496.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Chewelah Light Department

Claims On BPA*

BPA Resource Mix	22,128.532
Biomass	19.683
Natural Gas	20.240
Nuclear	1,224.392
Water	20,864.217
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Chewelah Light Department

Market Purchases

Total Market Purchases	1,367.468
BPA Market Purchase*	1,367.468

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City of Blaine

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.13%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	91.71%
Landfill Gases	0.01%
Natural Gas	0.67%
Nuclear	5.28%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Blaine

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	36.695	66.607	103.303	0.13%
Coal	1,695.203	0.000	1,695.203	2.13%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	2,316.980	70,603.211	72,920.190	91.71%
Landfill Gases	6.996	0.000	6.996	0.01%
Natural Gas	463.952	68.490	532.443	0.67%
Nuclear	57.671	4,143.266	4,200.937	5.28%
Other	5.543	0.000	5.543	0.01%
Petroleum	17.116	0.000	17.116	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	27.270	0.000	27.270	0.03%
Wind	0.000	0.000	0.000	0.00%
Total	4,627.426	74,881.574	79,509.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

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City of Blaine

Claims On BPA*

BPA Resource Mix	74,881.574
Biomass	66.607
Natural Gas	68.490
Nuclear	4,143.266
Water	70,603.211
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Blaine

Market Purchases

Total Market Purchases	4,627.426
BPA Market Purchase*	4,627.426

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City of Centralia

Fuel Mix Calendar Year 2011

Biomass	0.10%
Coal	1.60%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	93.93%
Landfill Gases	0.01%
Natural Gas	0.50%
Nuclear	3.82%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Centralia

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	97.556	170.068	267.624	0.10%
Coal	4,506.762	0.000	4,506.762	1.60%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	6,159.779	257,866.885	264,026.664	93.93%
Landfill Gases	18.600	0.000	18.600	0.01%
Natural Gas	1,233.435	174.876	1,408.311	0.50%
Nuclear	153.320	10,578.985	10,732.304	3.82%
Other	14.735	0.000	14.735	0.01%
Petroleum	45.503	0.000	45.503	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	72.497	0.000	72.497	0.03%
Wind	0.000	0.000	0.000	0.00%
Total	12,302.187	268,790.813	281,093.000	100.00%

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City of Centralia

Claims On Plants

Yelm

Claim Type: PIntMix

77,596.000

Water

77,596.000

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Centralia

Claims On BPA*

BPA Resource Mix	191,194.813
Biomass	170.068
Natural Gas	174.876
Nuclear	10,578.985
Water	180,270.885
Wind	0.000

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City of Centralia

Market Purchases

Total Market Purchases	12,302.187
BPA Market Purchase*	11,815.187
Utility Market Purchase	487.000

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City of Cheney

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.20%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	91.63%
Landfill Gases	0.01%
Natural Gas	0.69%
Nuclear	5.28%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Cheney

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	65.699	115.236	180.935	0.13%
Coal	3,035.061	0.000	3,035.061	2.20%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	4,148.278	122,149.847	126,298.125	91.63%
Landfill Gases	12.526	0.000	12.526	0.01%
Natural Gas	830.652	118.494	949.146	0.69%
Nuclear	103.253	7,168.220	7,271.473	5.28%
Other	9.923	0.000	9.923	0.01%
Petroleum	30.644	0.000	30.644	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	48.823	0.000	48.823	0.04%
Wind	0.000	0.000	0.000	0.00%
Total	8,284.859	129,551.797	137,836.656	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Cheney

Claims On BPA*

BPA Resource Mix	129,551.797
Biomass	115.236
Natural Gas	118.494
Nuclear	7,168.220
Water	122,149.847
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Cheney

Market Purchases

Total Market Purchases	8,284.859
BPA Market Purchase*	8,005.859
Utility Market Purchase	279.000

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Ellensburg

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.13%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	91.71%
Landfill Gases	0.01%
Natural Gas	0.67%
Nuclear	5.28%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Ellensburg

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	94.960	172.365	267.325	0.13%
Coal	4,386.823	0.000	4,386.823	2.13%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	5,995.848	182,705.997	188,701.844	91.71%
Landfill Gases	18.105	0.000	18.105	0.01%
Natural Gas	1,200.609	177.238	1,377.847	0.67%
Nuclear	149.240	10,721.886	10,871.126	5.28%
Other	14.343	0.000	14.343	0.01%
Petroleum	44.292	0.000	44.292	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	70.568	0.000	70.568	0.03%
Wind	0.000	0.000	0.000	0.00%
Total	11,974.787	193,777.486	205,752.273	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Ellensburg

Claims On BPA*

BPA Resource Mix	193,777.486
Biomass	172.365
Natural Gas	177.238
Nuclear	10,721.886
Water	182,705.997
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Ellensburg

Market Purchases

Total Market Purchases	11,974.787
BPA Market Purchase*	11,974.787

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Milton

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.11%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	90.58%
Landfill Gases	0.01%
Natural Gas	0.66%
Nuclear	5.22%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	1.24%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Milton

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	29.043	52.718	81.761	0.13%
Coal	1,341.703	0.000	1,341.703	2.11%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	1,833.820	55,880.334	57,714.154	90.58%
Landfill Gases	5.537	0.000	5.537	0.01%
Natural Gas	367.204	54.208	421.412	0.66%
Nuclear	45.645	3,279.272	3,324.916	5.22%
Other	4.387	0.000	4.387	0.01%
Petroleum	13.547	0.000	13.547	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	21.583	0.000	21.583	0.03%
Wind	0.000	790.000	790.000	1.24%
Total	3,662.469	60,056.531	63,719.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Milton

Claims On Plants

Stateline--WA (FPL Energy	Claim Type: PIntMix	203.769
	Wind	203.769
Condon Windpower LLC	Claim Type: PIntMix	340.000
	Wind	340.000
Klondike	Claim Type: PIntMix	100.000
	Wind	100.000
Stateline--OR (FPL Energy	Claim Type: PIntMix	146.231
	Wind	146.231

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Milton

Claims On BPA*

BPA Resource Mix	59,266.531
Biomass	52.718
Natural Gas	54.208
Nuclear	3,279.272
Water	55,880.334
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Milton

Market Purchases

Total Market Purchases	3,662.469
BPA Market Purchase*	3,662.469

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Port Angeles

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.16%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	91.68%
Landfill Gases	0.01%
Natural Gas	0.68%
Nuclear	5.27%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Port Angeles

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	354.874	632.700	987.574	0.13%
Coal	16,393.946	0.000	16,393.946	2.16%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	22,407.015	671,955.755	694,362.770	91.68%
Landfill Gases	67.660	0.000	67.660	0.01%
Natural Gas	4,486.784	650.588	5,137.372	0.68%
Nuclear	557.721	39,356.864	39,914.585	5.27%
Other	53.602	0.000	53.602	0.01%
Petroleum	165.522	0.000	165.522	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	263.718	0.000	263.718	0.03%
Wind	0.000	0.000	0.000	0.00%
Total	44,750.842	712,595.908	757,346.750	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Port Angeles

Claims On Plants

Morse Creek

Claim Type: PIntMix

1,296.234

Water

1,296.234

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Port Angeles

Claims On BPA*

BPA Resource Mix	711,299.674
Biomass	632.700
Natural Gas	650.588
Nuclear	39,356.864
Water	670,659.521
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Port Angeles

Market Purchases

Total Market Purchases	44,750.842
BPA Market Purchase*	43,955.892
Utility Market Purchase	794.950

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Richland

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.35%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	91.37%
Landfill Gases	0.01%
Natural Gas	0.73%
Nuclear	5.25%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
Wind	0.08%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Richland

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	449.267	733.653	1,182.920	0.13%
Coal	20,754.592	0.000	20,754.592	2.35%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	28,367.083	777,669.430	806,036.513	91.37%
Landfill Gases	85.657	0.000	85.657	0.01%
Natural Gas	5,680.229	754.396	6,434.624	0.73%
Nuclear	706.070	45,636.614	46,342.685	5.25%
Other	67.860	0.000	67.860	0.01%
Petroleum	209.549	0.000	209.549	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	333.865	0.000	333.865	0.04%
Wind	0.000	729.000	729.000	0.08%
Total	56,654.172	825,523.093	882,177.265	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Richland

Claims On Plants

Stateline--WA (FPL Energy	Claim Type: PIntMix	298.084
	Wind	298.084
Klondike	Claim Type: PIntMix	217.000
	Wind	217.000
Stateline--OR (FPL Energy	Claim Type: PIntMix	213.916
	Wind	213.916

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Richland

Claims On BPA*

BPA Resource Mix	824,794.093
Biomass	733.653
Natural Gas	754.396
Nuclear	45,636.614
Water	777,669.430
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Richland

Market Purchases

Total Market Purchases	56,654.172
BPA Market Purchase*	50,969.460
Utility Market Purchase	5,684.712

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

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Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Sumas

Fuel Mix Calendar Year 2011

Biomass	0.12%
Coal	2.02%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.71%
Landfill Gases	0.01%
Natural Gas	0.63%
Nuclear	5.00%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	5.46%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Sumas

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	13.313	24.164	37.477	0.12%
Coal	615.001	0.000	615.001	2.02%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	840.575	25,614.077	26,454.652	86.71%
Landfill Gases	2.538	0.000	2.538	0.01%
Natural Gas	168.317	24.848	193.164	0.63%
Nuclear	20.922	1,503.132	1,524.054	5.00%
Other	2.011	0.000	2.011	0.01%
Petroleum	6.209	0.000	6.209	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	9.893	0.000	9.893	0.03%
Wind	0.000	1,665.000	1,665.000	5.46%
Total	1,678.780	28,831.220	30,510.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Sumas

Claims On Plants

Stateline--WA (FPL Energy	Claim Type: PIntMix	349.318
	Wind	349.318
Foote Creek I	Claim Type: PIntMix	416.000
	Wind	416.000
Condon Windpower LLC	Claim Type: PIntMix	649.000
	Wind	649.000
Stateline--OR (FPL Energy	Claim Type: PIntMix	250.682
	Wind	250.682

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Sumas

Claims On BPA*

BPA Resource Mix	27,166.220
Biomass	24.164
Natural Gas	24.848
Nuclear	1,503.132
Water	25,614.077
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

City of Sumas

Market Purchases

Total Market Purchases	1,678.780
BPA Market Purchase*	1,678.780

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

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Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Clearwater Power Company

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.13%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	91.71%
Landfill Gases	0.01%
Natural Gas	0.67%
Nuclear	5.28%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Clearwater Power Company

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	91.939	166.882	258.821	0.13%
Coal	4,247.271	0.000	4,247.271	2.13%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	5,805.110	176,893.826	182,698.936	91.71%
Landfill Gases	17.529	0.000	17.529	0.01%
Natural Gas	1,162.416	171.600	1,334.016	0.67%
Nuclear	144.492	10,380.806	10,525.298	5.28%
Other	13.887	0.000	13.887	0.01%
Petroleum	42.883	0.000	42.883	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	68.323	0.000	68.323	0.03%
Wind	0.000	0.000	0.000	0.00%
Total	11,593.850	187,613.113	199,206.963	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Clearwater Power Company

Claims On BPA*

BPA Resource Mix	187,613.113
Biomass	166.882
Natural Gas	171.600
Nuclear	10,380.806
Water	176,893.826
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Clearwater Power Company

Market Purchases

Total Market Purchases	11,593.850
BPA Market Purchase*	11,593.850

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Columbia Rural Elec Assn, Inc

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.13%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	91.71%
Landfill Gases	0.01%
Natural Gas	0.67%
Nuclear	5.28%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Columbia Rural Elec Assn, Inc

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	148.184	268.973	417.157	0.13%
Coal	6,845.583	0.000	6,845.583	2.13%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	9,356.446	285,110.458	294,466.905	91.71%
Landfill Gases	28.253	0.000	28.253	0.01%
Natural Gas	1,873.536	276.578	2,150.114	0.67%
Nuclear	232.886	16,731.371	16,964.258	5.28%
Other	22.382	0.000	22.382	0.01%
Petroleum	69.117	0.000	69.117	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	110.120	0.000	110.120	0.03%
Wind	0.000	0.000	0.000	0.00%
Total	18,686.508	302,387.381	321,073.889	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Columbia Rural Elec Assn, Inc

Claims On BPA*

BPA Resource Mix	302,387.381
Biomass	268.973
Natural Gas	276.578
Nuclear	16,731.371
Water	285,110.458
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Columbia Rural Elec Assn, Inc

Market Purchases

Total Market Purchases	18,686.508
BPA Market Purchase*	18,686.508

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Coulee Dam Light Department

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.13%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	91.71%
Landfill Gases	0.01%
Natural Gas	0.67%
Nuclear	5.28%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Coulee Dam Light Department

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	8.121	14.741	22.862	0.13%
Coal	375.162	0.000	375.162	2.13%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	512.767	15,625.075	16,137.842	91.71%
Landfill Gases	1.548	0.000	1.548	0.01%
Natural Gas	102.677	15.157	117.834	0.67%
Nuclear	12.763	916.939	929.702	5.28%
Other	1.227	0.000	1.227	0.01%
Petroleum	3.788	0.000	3.788	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	6.035	0.000	6.035	0.03%
Wind	0.000	0.000	0.000	0.00%
Total	1,024.088	16,571.912	17,596.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Coulee Dam Light Department

Claims On BPA*

BPA Resource Mix	16,571.912
Biomass	14.741
Natural Gas	15.157
Nuclear	916.939
Water	15,625.075
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Coulee Dam Light Department

Market Purchases

Total Market Purchases	1,024.088
BPA Market Purchase*	1,024.088

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Elmhurst Mutual Power&Light Co

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.12%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	91.29%
Landfill Gases	0.01%
Natural Gas	0.67%
Nuclear	5.26%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	0.47%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Elmhurst Mutual Power&Light Co

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	129.514	235.085	364.598	0.13%
Coal	5,983.091	0.000	5,983.091	2.12%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	8,177.605	249,188.691	257,366.295	91.29%
Landfill Gases	24.693	0.000	24.693	0.01%
Natural Gas	1,637.485	241.731	1,879.216	0.67%
Nuclear	203.545	14,623.345	14,826.889	5.26%
Other	19.562	0.000	19.562	0.01%
Petroleum	60.408	0.000	60.408	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	96.246	0.000	96.246	0.03%
Wind	0.000	1,316.000	1,316.000	0.47%
Total	16,332.149	265,604.851	281,937.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Elmhurst Mutual Power&Light Co

Claims On Plants

Foote Creek I	Claim Type: PIntMix	1,092.000
	Wind	1,092.000
Foote Creek II	Claim Type: PIntMix	224.000
	Wind	224.000

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Elmhurst Mutual Power&Light Co

Claims On BPA*

BPA Resource Mix	264,288.851
Biomass	235.085
Natural Gas	241.731
Nuclear	14,623.345
Water	249,188.691
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Elmhurst Mutual Power&Light Co

Market Purchases

Total Market Purchases	16,332.149
BPA Market Purchase*	16,332.149

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Inland Power & Light Company

Fuel Mix Calendar Year 2011

Biomass	0.12%
Coal	2.03%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	87.50%
Landfill Gases	0.01%
Natural Gas	0.64%
Nuclear	5.04%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	4.60%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Inland Power & Light Company

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	402.791	731.119	1,133.910	0.12%
Coal	18,607.556	0.000	18,607.556	2.03%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	25,432.546	774,982.768	800,415.314	87.50%
Landfill Gases	76.796	0.000	76.796	0.01%
Natural Gas	5,092.617	751.789	5,844.406	0.64%
Nuclear	633.028	45,478.951	46,111.979	5.04%
Other	60.840	0.000	60.840	0.01%
Petroleum	187.872	0.000	187.872	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	299.327	0.000	299.327	0.03%
Wind	0.000	42,048.000	42,048.000	4.60%
Total	50,793.373	863,992.627	914,786.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Inland Power & Light Company

Claims On Plants

Stateline--WA (FPL Energy	Claim Type: PIntMix	12,895.640
	Wind	12,895.640
Foote Creek I	Claim Type: PIntMix	4,679.000
	Wind	4,679.000
Foote Creek II	Claim Type: PIntMix	728.000
	Wind	728.000
Condon Windpower LLC	Claim Type: PIntMix	9,091.000
	Wind	9,091.000
Klondike	Claim Type: PIntMix	5,400.000
	Wind	5,400.000
Stateline--OR (FPL Energy	Claim Type: PIntMix	9,254.360
	Wind	9,254.360

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Inland Power & Light Company

Claims On BPA*

BPA Resource Mix	821,944.627
Biomass	731.119
Natural Gas	751.789
Nuclear	45,478.951
Water	774,982.768
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Inland Power & Light Company

Market Purchases

Total Market Purchases	50,793.373
BPA Market Purchase*	50,793.373

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Lakeview Light & Power

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.13%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	91.71%
Landfill Gases	0.01%
Natural Gas	0.67%
Nuclear	5.28%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Lakeview Light & Power

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	130.037	236.035	366.073	0.13%
Coal	6,007.287	0.000	6,007.287	2.13%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	8,210.675	250,196.406	258,407.081	91.71%
Landfill Gases	24.793	0.000	24.793	0.01%
Natural Gas	1,644.107	242.709	1,886.815	0.67%
Nuclear	204.368	14,682.481	14,886.849	5.28%
Other	19.642	0.000	19.642	0.01%
Petroleum	60.653	0.000	60.653	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	96.635	0.000	96.635	0.03%
Wind	0.000	0.000	0.000	0.00%
Total	16,398.196	265,357.631	281,755.827	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Lakeview Light & Power

Claims On BPA*

BPA Resource Mix	265,357.631
Biomass	236.035
Natural Gas	242.709
Nuclear	14,682.481
Water	250,196.406
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Lakeview Light & Power

Market Purchases

Total Market Purchases	16,398.196
BPA Market Purchase*	16,398.196

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

McCleary Light & Power

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.13%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	91.71%
Landfill Gases	0.01%
Natural Gas	0.67%
Nuclear	5.28%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

McCleary Light & Power

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	13.856	25.151	39.008	0.13%
Coal	640.117	0.000	640.117	2.13%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	874.903	26,660.129	27,535.032	91.71%
Landfill Gases	2.642	0.000	2.642	0.01%
Natural Gas	175.191	25.862	201.053	0.67%
Nuclear	21.777	1,564.518	1,586.295	5.28%
Other	2.093	0.000	2.093	0.01%
Petroleum	6.463	0.000	6.463	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	10.297	0.000	10.297	0.03%
Wind	0.000	0.000	0.000	0.00%
Total	1,747.339	28,275.661	30,023.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

McCleary Light & Power

Claims On BPA*

BPA Resource Mix	28,275.661
Biomass	25.151
Natural Gas	25.862
Nuclear	1,564.518
Water	26,660.129
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

McCleary Light & Power

Market Purchases

Total Market Purchases	1,747.339
BPA Market Purchase*	1,747.339

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Modern Electric Water Company

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.13%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	91.71%
Landfill Gases	0.01%
Natural Gas	0.67%
Nuclear	5.28%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Modern Electric Water Company

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	104.457	189.603	294.060	0.13%
Coal	4,825.558	0.000	4,825.558	2.13%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	6,595.505	200,978.816	207,574.321	91.71%
Landfill Gases	19.916	0.000	19.916	0.01%
Natural Gas	1,320.685	194.964	1,515.649	0.67%
Nuclear	164.165	11,794.205	11,958.370	5.28%
Other	15.778	0.000	15.778	0.01%
Petroleum	48.721	0.000	48.721	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	77.625	0.000	77.625	0.03%
Wind	0.000	0.000	0.000	0.00%
Total	13,172.411	213,157.589	226,330.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Modern Electric Water Company

Claims On BPA*

BPA Resource Mix	213,157.589
Biomass	189.603
Natural Gas	194.964
Nuclear	11,794.205
Water	200,978.816
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Modern Electric Water Company

Market Purchases

Total Market Purchases	13,172.411
BPA Market Purchase*	13,172.411

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Nespelem Valley Elec Coop, Inc

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.13%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	91.71%
Landfill Gases	0.01%
Natural Gas	0.67%
Nuclear	5.28%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Nespelem Valley Elec Coop, Inc

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	23.318	42.325	65.643	0.13%
Coal	1,077.211	0.000	1,077.211	2.13%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	1,472.317	44,864.570	46,336.887	91.71%
Landfill Gases	4.446	0.000	4.446	0.01%
Natural Gas	294.817	43.522	338.339	0.67%
Nuclear	36.647	2,632.824	2,669.471	5.28%
Other	3.522	0.000	3.522	0.01%
Petroleum	10.876	0.000	10.876	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	17.328	0.000	17.328	0.03%
Wind	0.000	0.000	0.000	0.00%
Total	2,940.482	47,583.242	50,523.724	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Nespelem Valley Elec Coop, Inc

Claims On BPA*

BPA Resource Mix	47,583.242
Biomass	42.325
Natural Gas	43.522
Nuclear	2,632.824
Water	44,864.570
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Nespelem Valley Elec Coop, Inc

Market Purchases

Total Market Purchases	2,940.482
BPA Market Purchase*	2,940.482

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Northern Lights, Inc.

Fuel Mix Calendar Year 2011

Biomass	0.09%
Coal	0.24%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	94.52%
Landfill Gases	0.00%
Natural Gas	0.15%
Nuclear	5.00%
Other	0.00%
Petroleum	0.00%
Solar	0.00%
Waste	0.00%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Northern Lights, Inc.

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	0.007	0.109	0.116	0.09%
Coal	0.322	0.000	0.322	0.24%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	0.440	128.097	128.537	94.52%
Landfill Gases	0.001	0.000	0.001	0.00%
Natural Gas	0.088	0.112	0.200	0.15%
Nuclear	0.011	6.787	6.798	5.00%
Other	0.001	0.000	0.001	0.00%
Petroleum	0.003	0.000	0.003	0.00%
Solar	0.000	0.000	0.000	0.00%
Waste	0.005	0.000	0.005	0.00%
Wind	0.000	0.000	0.000	0.00%
Total	0.879	135.105	135.984	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Northern Lights, Inc.

Claims On Plants

Lake Creek

Claim Type: PIntMix

11.559

Water

11.559

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Northern Lights, Inc.

Claims On BPA*

BPA Slice	123.546
Biomass	0.109
Natural Gas	0.112
Nuclear	6.787
Water	116.538

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Northern Lights, Inc.

Market Purchases

Total Market Purchases	0.879
BPA Slice Wind w/o RECs**	0.879

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Ohop Mutual Light Company

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.13%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	91.71%
Landfill Gases	0.01%
Natural Gas	0.67%
Nuclear	5.28%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Ohop Mutual Light Company

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	40.992	74.406	115.399	0.13%
Coal	1,893.701	0.000	1,893.701	2.13%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	2,588.283	78,870.399	81,458.683	91.71%
Landfill Gases	7.816	0.000	7.816	0.01%
Natural Gas	518.278	76.510	594.788	0.67%
Nuclear	64.424	4,628.416	4,692.840	5.28%
Other	6.192	0.000	6.192	0.01%
Petroleum	19.120	0.000	19.120	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	30.463	0.000	30.463	0.03%
Wind	0.000	0.000	0.000	0.00%
Total	5,169.268	83,649.732	88,819.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Ohop Mutual Light Company

Claims On BPA*

BPA Resource Mix	83,649.732
Biomass	74.406
Natural Gas	76.510
Nuclear	4,628.416
Water	78,870.399
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Ohop Mutual Light Company

Market Purchases

Total Market Purchases	5,169.268
BPA Market Purchase*	5,169.268

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Okanogan County Elec Coop, Inc

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.13%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	91.71%
Landfill Gases	0.01%
Natural Gas	0.67%
Nuclear	5.28%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Okanogan County Elec Coop, Inc

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	25.856	46.931	72.787	0.13%
Coal	1,194.439	0.000	1,194.439	2.13%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	1,632.543	49,746.986	51,379.528	91.71%
Landfill Gases	4.930	0.000	4.930	0.01%
Natural Gas	326.901	48.258	375.159	0.67%
Nuclear	40.635	2,919.343	2,959.978	5.28%
Other	3.905	0.000	3.905	0.01%
Petroleum	12.060	0.000	12.060	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	19.214	0.000	19.214	0.03%
Wind	0.000	0.000	0.000	0.00%
Total	3,260.482	52,761.518	56,022.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Okanogan County Elec Coop, Inc

Claims On BPA*

BPA Resource Mix	52,761.518
Biomass	46.931
Natural Gas	48.258
Nuclear	2,919.343
Water	49,746.986
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Okanogan County Elec Coop, Inc

Market Purchases

Total Market Purchases	3,260.482
BPA Market Purchase*	3,260.482

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Orcas Power & Lgt Cooperative

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.10%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	90.40%
Landfill Gases	0.01%
Natural Gas	0.66%
Nuclear	5.21%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	1.44%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Orcas Power & Lgt Cooperative

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	99.680	180.933	280.613	0.13%
Coal	4,604.889	0.000	4,604.889	2.10%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	6,293.898	191,788.205	198,082.103	90.40%
Landfill Gases	19.005	0.000	19.005	0.01%
Natural Gas	1,260.291	186.048	1,446.339	0.66%
Nuclear	156.658	11,254.865	11,411.523	5.21%
Other	15.056	0.000	15.056	0.01%
Petroleum	46.493	0.000	46.493	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	74.076	0.000	74.076	0.03%
Wind	0.000	3,145.000	3,145.000	1.44%
Total	12,570.047	206,555.051	219,125.098	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Orcas Power & Lgt Cooperative

Claims On Plants

Stateline--WA (FPL Energy	Claim Type: PIntMix	727.745
	Wind	727.745
Foote Creek I	Claim Type: PIntMix	786.000
	Wind	786.000
Condon Windpower LLC	Claim Type: PIntMix	959.000
	Wind	959.000
Klondike	Claim Type: PIntMix	150.000
	Wind	150.000
Stateline--OR (FPL Energy	Claim Type: PIntMix	522.255
	Wind	522.255

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Orcas Power & Lgt Cooperative

Claims On BPA*

BPA Resource Mix	203,410.051
Biomass	180.933
Natural Gas	186.048
Nuclear	11,254.865
Water	191,788.205
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Orcas Power & Lgt Cooperative

Market Purchases

Total Market Purchases	12,570.047
BPA Market Purchase*	12,570.047

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Pacific Power And Light

Fuel Mix Calendar Year 2011

Biomass	0.79%
Coal	36.63%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	50.07%
Landfill Gases	0.15%
Natural Gas	10.03%
Nuclear	1.25%
Other	0.12%
Petroleum	0.37%
Solar	0.00%
Waste	0.59%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Pacific Power And Light

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	34,970.746	0.000	34,970.746	0.79%
Coal	1,615,529.075	0.000	1,615,529.075	36.63%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	2,208,082.356	0.000	2,208,082.356	50.07%
Landfill Gases	6,667.538	0.000	6,667.538	0.15%
Natural Gas	442,146.741	0.000	442,146.741	10.03%
Nuclear	54,960.228	0.000	54,960.228	1.25%
Other	5,282.159	0.000	5,282.159	0.12%
Petroleum	16,311.246	0.000	16,311.246	0.37%
Solar	0.000	0.000	0.000	0.00%
Waste	25,987.911	0.000	25,987.911	0.59%
Wind	0.000	0.000	0.000	0.00%
Total	4,409,938.000	0.000	4,409,938.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Pacific Power And Light

Market Purchases

Total Market Purchases	4,409,938.000
Utility Market Purchase	4,409,938.000

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Parkland Light & Water Company

Fuel Mix Calendar Year 2011

Biomass	0.12%
Coal	1.91%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	82.30%
Landfill Gases	0.01%
Natural Gas	0.60%
Nuclear	4.74%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	10.26%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Parkland Light & Water Company

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	51.183	92.905	144.088	0.12%
Coal	2,364.496	0.000	2,364.496	1.91%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	3,231.760	98,478.484	101,710.244	82.30%
Landfill Gases	9.759	0.000	9.759	0.01%
Natural Gas	647.128	95.531	742.659	0.60%
Nuclear	80.440	5,779.094	5,859.534	4.74%
Other	7.731	0.000	7.731	0.01%
Petroleum	23.873	0.000	23.873	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	38.036	0.000	38.036	0.03%
Wind	0.000	12,677.000	12,677.000	10.26%
Total	6,454.407	117,123.014	123,577.421	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Parkland Light & Water Company

Claims On Plants

Stateline--WA (FPL Energy	Claim Type: PIntMix	2,710.122
	Wind	2,710.122
Foote Creek I	Claim Type: PIntMix	2,816.000
	Wind	2,816.000
Condon Windpower LLC	Claim Type: PIntMix	2,557.000
	Wind	2,557.000
Klondike	Claim Type: PIntMix	1,600.000
	Wind	1,600.000
Stateline--OR (FPL Energy	Claim Type: PIntMix	1,944.878
	Wind	1,944.878
Klondike Windpower III	Claim Type: PIntMix	1,049.000
	Wind	1,049.000

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Parkland Light & Water Company

Claims On BPA*

BPA Resource Mix	104,446.014
Biomass	92.905
Natural Gas	95.531
Nuclear	5,779.094
Water	98,478.484
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Parkland Light & Water Company

Market Purchases

Total Market Purchases	6,454.407
BPA Market Purchase*	6,454.407

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Peninsula Light Company

Fuel Mix Calendar Year 2011

Biomass	0.12%
Coal	2.03%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.83%
Landfill Gases	0.01%
Natural Gas	0.64%
Nuclear	5.00%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	5.30%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Peninsula Light Company

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	273.205	491.993	765.198	0.12%
Coal	12,621.143	0.000	12,621.143	2.03%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	17,250.400	521,510.108	538,760.507	86.83%
Landfill Gases	52.089	0.000	52.089	0.01%
Natural Gas	3,454.223	505.902	3,960.125	0.64%
Nuclear	429.371	30,604.206	31,033.577	5.00%
Other	41.266	0.000	41.266	0.01%
Petroleum	127.430	0.000	127.430	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	203.028	0.000	203.028	0.03%
Wind	0.000	32,903.000	32,903.000	5.30%
Total	34,452.154	586,015.209	620,467.363	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Peninsula Light Company

Claims On Plants

Stateline--WA (FPL Energy	Claim Type: PIntMix	11,878.543
	Wind	11,878.543
Condon Windpower LLC	Claim Type: PIntMix	7,850.000
	Wind	7,850.000
Klondike	Claim Type: PIntMix	4,650.000
	Wind	4,650.000
Stateline--OR (FPL Energy	Claim Type: PIntMix	8,524.457
	Wind	8,524.457

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Peninsula Light Company

Claims On BPA*

BPA Resource Mix	553,112.209
Biomass	491.993
Natural Gas	505.902
Nuclear	30,604.206
Water	521,510.108
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Peninsula Light Company

Market Purchases

Total Market Purchases	34,452.154
BPA Market Purchase*	34,180.447
Utility Market Purchase	271.707

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Asotin County

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.13%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	91.71%
Landfill Gases	0.01%
Natural Gas	0.67%
Nuclear	5.28%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Asotin County

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	0.000	0.000	0.000	0.13%
Coal	0.007	0.000	0.007	2.13%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	0.009	0.272	0.281	91.71%
Landfill Gases	0.000	0.000	0.000	0.01%
Natural Gas	0.002	0.000	0.002	0.67%
Nuclear	0.000	0.016	0.016	5.28%
Other	0.000	0.000	0.000	0.01%
Petroleum	0.000	0.000	0.000	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	0.000	0.000	0.000	0.03%
Wind	0.000	0.000	0.000	0.00%
Total	0.018	0.288	0.306	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Asotin County

Claims On BPA*

BPA Resource Mix	0.288
Biomass	0.000
Natural Gas	0.000
Nuclear	0.016
Water	0.272
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Asotin County

Market Purchases

Total Market Purchases	0.018
BPA Market Purchase*	0.018

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Benton County

Fuel Mix Calendar Year 2011

Biomass	0.14%
Coal	2.97%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.93%
Landfill Gases	0.01%
Natural Gas	2.12%
Nuclear	4.94%
Other	0.01%
Petroleum	0.03%
Solar	0.00%
Waste	0.05%
Wind	2.80%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Benton County

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	1,095.377	1,327.883	2,423.260	0.14%
Coal	50,602.675	0.000	50,602.675	2.97%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	69,163.022	1,413,763.041	1,482,926.063	86.93%
Landfill Gases	208.845	0.000	208.845	0.01%
Natural Gas	13,849.214	22,340.051	36,189.265	2.12%
Nuclear	1,721.501	82,600.430	84,321.931	4.94%
Other	165.451	0.000	165.451	0.01%
Petroleum	510.912	0.000	510.912	0.03%
Solar	0.000	0.000	0.000	0.00%
Waste	814.011	0.000	814.011	0.05%
Wind	0.000	47,718.000	47,718.000	2.80%
Total	138,131.007	1,567,749.406	1,705,880.413	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Benton County

Claims On Plants

Packwood	Claim Type: PlntMix	1,993.000
	Water	1,993.000
Frederickson Power LP	Claim Type: PlntMix	20,974.626
	Natural Gas	20,974.626
White Creek Wind Farm	Claim Type: PlntMix	22,603.000
	Wind	22,603.000
Nine Canyon	Claim Type: PlntMix	25,115.000
	Wind	25,115.000

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Benton County

Claims On BPA*

BPA Resource Mix		903,520.601
	Biomass	803.681
	Natural Gas	826.402
	Nuclear	49,992.624
	Water	851,897.893
	Wind	0.000
BPA Slice		593,543.180
	Biomass	524.203
	Natural Gas	539.023
	Nuclear	32,607.806
	Water	559,872.148

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Benton County

Market Purchases

Total Market Purchases	138,131.007
BPA Market Purchase*	55,834.489
BPA Slice Wind w/o RECs**	4,220.670
Utility Market Purchase	78,075.847

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Chelan County

Fuel Mix Calendar Year 2011

Biomass	0.06%
Coal	2.91%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	96.03%
Landfill Gases	0.01%
Natural Gas	0.80%
Nuclear	0.10%
Other	0.01%
Petroleum	0.03%
Solar	0.00%
Waste	0.05%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Chelan County

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	1,001.010	0.000	1,001.010	0.06%
Coal	46,243.247	0.000	46,243.247	2.91%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	63,204.617	1,462,480.000	1,525,684.617	96.03%
Landfill Gases	190.853	0.000	190.853	0.01%
Natural Gas	12,656.102	0.000	12,656.102	0.80%
Nuclear	1,573.193	0.000	1,573.193	0.10%
Other	151.198	0.000	151.198	0.01%
Petroleum	466.897	51.000	517.897	0.03%
Solar	0.000	0.000	0.000	0.00%
Waste	743.883	0.000	743.883	0.05%
Wind	0.000	0.000	0.000	0.00%
Total	126,231.000	1,462,531.000	1,588,762.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Chelan County

Claims On Plants

Rocky Reach	Claim Type: PIntMix	365,172.000
	Water	365,172.000
Rock Island	Claim Type: PIntMix	616,272.000
	Water	616,272.000
Chelan	Claim Type: PIntMix	479,962.000
	Water	479,962.000
Stehekin Hydro	Claim Type: PIntMix	1,074.000
	Water	1,074.000
Stehekin Diesel	Claim Type: PIntMix	51.000
	Petroleum(light oil)	51.000

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Chelan County

Market Purchases

Total Market Purchases	126,231.000
Utility Market Purchase	126,231.000

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Clallam County

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.13%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	91.73%
Landfill Gases	0.01%
Natural Gas	0.67%
Nuclear	5.27%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Clallam County

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	319.781	580.446	900.227	0.13%
Coal	14,772.801	0.000	14,772.801	2.13%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	20,191.257	616,709.744	636,901.000	91.73%
Landfill Gases	60.970	0.000	60.970	0.01%
Natural Gas	4,043.100	596.856	4,639.956	0.67%
Nuclear	502.570	36,106.380	36,608.950	5.27%
Other	48.301	0.000	48.301	0.01%
Petroleum	149.154	0.000	149.154	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	237.640	0.000	237.640	0.03%
Wind	0.000	0.000	0.000	0.00%
Total	40,325.575	653,993.425	694,319.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Clallam County

Claims On Plants

Packwood	Claim Type: PIntMix	1,440.000
	Water	1,440.000

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Clallam County

Claims On BPA*

BPA Resource Mix	652,553.425
Biomass	580.446
Natural Gas	596.856
Nuclear	36,106.380
Water	615,269.744
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Clallam County

Market Purchases

Total Market Purchases	40,325.575
BPA Market Purchase*	40,325.575

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Clark County

Fuel Mix Calendar Year 2011

Biomass	0.14%
Coal	4.00%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	68.95%
Landfill Gases	0.02%
Natural Gas	23.03%
Nuclear	3.74%
Other	0.01%
Petroleum	0.04%
Solar	0.00%
Waste	0.06%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Clark County

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	4,019.416	2,689.085	6,708.501	0.14%
Coal	185,683.281	0.000	185,683.281	4.00%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	253,789.290	2,947,679.411	3,201,468.701	68.95%
Landfill Gases	766.344	0.000	766.344	0.02%
Natural Gas	50,818.805	1,018,607.612	1,069,426.417	23.03%
Nuclear	6,316.937	167,273.459	173,590.396	3.74%
Other	607.113	0.000	607.113	0.01%
Petroleum	1,874.758	0.000	1,874.758	0.04%
Solar	0.000	0.000	0.000	0.00%
Waste	2,986.960	0.000	2,986.960	0.06%
Wind	0.000	0.000	0.000	0.00%
Total	506,862.904	4,136,249.567	4,643,112.471	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Clark County

Claims On Plants

Rocky Reach	Claim Type: PIntMix	72,800.000
	Water	72,800.000
Packwood	Claim Type: PIntMix	2,814.000
	Water	2,814.000
River Road Gen Plant	Claim Type: PIntMix	1,015,842.500
	Natural Gas	1,015,842.500

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Clark County

Claims On BPA*

BPA Slice	3,044,793.067
Biomass	2,689.085
Natural Gas	2,765.112
Nuclear	167,273.459
Water	2,872,065.411

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Clark County

Market Purchases

Total Market Purchases	506,862.904
BPA Slice Wind w/o RECs**	21,651.446
Utility Market Purchase	485,211.458

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Cowlitz County

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.28%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	91.92%
Landfill Gases	0.01%
Natural Gas	0.70%
Nuclear	4.79%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
Wind	0.11%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Cowlitz County

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	2,367.981	3,643.903	6,011.883	0.13%
Coal	109,392.617	0.000	109,392.617	2.28%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	149,516.286	4,268,002.744	4,417,519.029	91.92%
Landfill Gases	451.480	0.000	451.480	0.01%
Natural Gas	29,939.163	3,746.924	33,686.088	0.70%
Nuclear	3,721.532	226,667.488	230,389.020	4.79%
Other	357.672	0.000	357.672	0.01%
Petroleum	1,104.486	0.000	1,104.486	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	1,759.724	0.000	1,759.724	0.04%
Wind	0.000	5,269.000	5,269.000	0.11%
Total	298,610.941	4,507,330.059	4,805,941.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Cowlitz County

Claims On Plants

Priest Rapids	Claim Type: PIntMix	153,940.000
	Water	153,940.000
Swift 2	Claim Type: PIntMix	246,923.000
	Water	246,923.000
Nine Canyon	Claim Type: PIntMix	5,269.000
	Wind	5,269.000

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Cowlitz County

Claims On BPA*

BPA Resource Mix		3,451,518.911
	Biomass	3,070.122
	Natural Gas	3,156.922
	Nuclear	190,975.710
	Water	3,254,316.157
	Wind	0.000
BPA Slice		649,679.148
	Biomass	573.780
	Natural Gas	590.003
	Nuclear	35,691.778
	Water	612,823.587

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Cowlitz County

Market Purchases

Total Market Purchases	298,610.941
BPA Market Purchase*	213,292.089
BPA Slice Wind w/o RECs**	4,619.852
Utility Market Purchase	80,699.000

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Douglas County

Fuel Mix Calendar Year 2011

Biomass	0.00%
Coal	0.00%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	100.00%
Landfill Gases	0.00%
Natural Gas	0.00%
Nuclear	0.00%
Other	0.00%
Petroleum	0.00%
Solar	0.00%
Waste	0.00%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Douglas County

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	0.000	0.000	0.000	0.00%
Coal	0.000	0.000	0.000	0.00%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	0.000	723,043.000	723,043.000	100.00%
Landfill Gases	0.000	0.000	0.000	0.00%
Natural Gas	0.000	0.000	0.000	0.00%
Nuclear	0.000	0.000	0.000	0.00%
Other	0.000	0.000	0.000	0.00%
Petroleum	0.000	0.000	0.000	0.00%
Solar	0.000	0.000	0.000	0.00%
Waste	0.000	0.000	0.000	0.00%
Wind	0.000	0.000	0.000	0.00%
Total	0.000	723,043.000	723,043.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Douglas County

Claims On Plants

Rocky Reach	Claim Type: PIntMix	127,927.000
	Water	127,927.000
Wells	Claim Type: PIntMix	595,116.000
	Water	595,116.000

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Ferry County

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.13%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	91.71%
Landfill Gases	0.01%
Natural Gas	0.67%
Nuclear	5.28%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Ferry County

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	49.720	90.248	139.968	0.13%
Coal	2,296.891	0.000	2,296.891	2.13%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	3,139.358	95,662.800	98,802.159	91.71%
Landfill Gases	9.480	0.000	9.480	0.01%
Natural Gas	628.626	92.800	721.425	0.67%
Nuclear	78.140	5,613.859	5,691.999	5.28%
Other	7.510	0.000	7.510	0.01%
Petroleum	23.191	0.000	23.191	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	36.949	0.000	36.949	0.03%
Wind	0.000	0.000	0.000	0.00%
Total	6,269.864	101,459.707	107,729.571	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Ferry County

Claims On BPA*

BPA Resource Mix	101,459.707
Biomass	90.248
Natural Gas	92.800
Nuclear	5,613.859
Water	95,662.800
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Ferry County

Market Purchases

Total Market Purchases	6,269.864
BPA Market Purchase*	6,269.864

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Franklin County

Fuel Mix Calendar Year 2011

Biomass	0.17%
Coal	4.47%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	85.80%
Landfill Gases	0.02%
Natural Gas	3.17%
Nuclear	4.80%
Other	0.01%
Petroleum	0.05%
Solar	0.00%
Waste	0.07%
Wind	1.43%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Franklin County

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	993.589	767.258	1,760.847	0.17%
Coal	45,900.403	0.000	45,900.403	4.47%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	62,736.023	817,401.642	880,137.665	85.80%
Landfill Gases	189.438	0.000	189.438	0.02%
Natural Gas	12,562.271	19,943.440	32,505.711	3.17%
Nuclear	1,561.530	47,726.977	49,288.507	4.80%
Other	150.077	0.000	150.077	0.01%
Petroleum	463.435	0.000	463.435	0.05%
Solar	0.000	0.000	0.000	0.00%
Waste	738.368	0.000	738.368	0.07%
Wind	0.000	14,657.220	14,657.220	1.43%
Total	125,295.132	900,496.538	1,025,791.670	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Franklin County

Claims On Plants

Packwood	Claim Type: PIntMix	1,026.000
	Water	1,026.000
Frederickson Power LP	Claim Type: PIntMix	19,154.490
	Natural Gas	19,154.490
Nine Canyon	Claim Type: PIntMix	14,657.220
	Wind	14,657.220

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Franklin County

Claims On BPA*

BPA Resource Mix		431,665.543
	Biomass	383.966
	Natural Gas	394.822
	Nuclear	23,884.451
	Water	407,002.304
	Wind	0.000
BPA Slice		433,993.285
	Biomass	383.292
	Natural Gas	394.129
	Nuclear	23,842.526
	Water	409,373.338

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Franklin County

Market Purchases

Total Market Purchases	125,295.132
BPA Market Purchase*	26,675.457
BPA Slice Wind w/o RECs**	3,086.115
Utility Market Purchase	95,533.560

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Grays Harbor Cnty

Fuel Mix Calendar Year 2011

Biomass	0.11%
Coal	1.23%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	92.82%
Landfill Gases	0.01%
Natural Gas	0.43%
Nuclear	5.37%
Other	0.00%
Petroleum	0.01%
Solar	0.00%
Waste	0.02%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Grays Harbor Cnty

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	275.120	884.060	1,159.179	0.11%
Coal	12,709.585	0.000	12,709.585	1.23%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	17,371.282	940,601.747	957,973.029	92.82%
Landfill Gases	52.454	0.000	52.454	0.01%
Natural Gas	3,478.428	909.054	4,387.482	0.43%
Nuclear	432.380	54,992.562	55,424.942	5.37%
Other	41.555	0.000	41.555	0.00%
Petroleum	128.323	0.000	128.323	0.01%
Solar	0.000	0.000	0.000	0.00%
Waste	204.450	0.000	204.450	0.02%
Wind	0.000	0.000	0.000	0.00%
Total	34,693.578	997,387.422	1,032,081.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Grays Harbor Cnty

Claims On BPA*

BPA Resource Mix		504,724.734
	Biomass	448.952
	Natural Gas	461.645
	Nuclear	27,926.883
	Water	475,887.254
	Wind	0.000
BPA Slice		492,662.688
	Biomass	435.107
	Natural Gas	447.409
	Nuclear	27,065.679
	Water	464,714.493

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Grays Harbor Cnty

Market Purchases

Total Market Purchases	34,693.578
BPA Market Purchase*	31,190.266
BPA Slice Wind w/o RECs**	3,503.312

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Kittitas County

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.21%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	91.62%
Landfill Gases	0.01%
Natural Gas	0.69%
Nuclear	5.27%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Kittitas County

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	45.515	79.536	125.052	0.13%
Coal	2,102.657	0.000	2,102.657	2.21%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	2,873.881	84,308.203	87,182.085	91.62%
Landfill Gases	8.678	0.000	8.678	0.01%
Natural Gas	575.466	81.785	657.251	0.69%
Nuclear	71.532	4,947.528	5,019.060	5.27%
Other	6.875	0.000	6.875	0.01%
Petroleum	21.230	0.000	21.230	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	33.824	0.000	33.824	0.04%
Wind	0.000	0.000	0.000	0.00%
Total	5,739.659	89,417.052	95,156.711	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Kittitas County

Claims On BPA*

BPA Resource Mix	89,417.052
Biomass	79.536
Natural Gas	81.785
Nuclear	4,947.528
Water	84,308.203
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Kittitas County

Market Purchases

Total Market Purchases	5,739.659
BPA Market Purchase*	5,525.669
Utility Market Purchase	213.990

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Klickitat County

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.13%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	91.71%
Landfill Gases	0.01%
Natural Gas	0.67%
Nuclear	5.28%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Klickitat County

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	157.141	285.231	442.372	0.13%
Coal	7,259.360	0.000	7,259.360	2.13%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	9,921.991	302,343.782	312,265.773	91.71%
Landfill Gases	29.960	0.000	29.960	0.01%
Natural Gas	1,986.781	293.295	2,280.076	0.67%
Nuclear	246.963	17,742.689	17,989.652	5.28%
Other	23.735	0.000	23.735	0.01%
Petroleum	73.294	0.000	73.294	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	116.776	0.000	116.776	0.03%
Wind	0.000	0.000	0.000	0.00%
Total	19,816.002	320,664.998	340,481.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Klickitat County

Claims On BPA*

BPA Resource Mix	320,664.998
Biomass	285.231
Natural Gas	293.295
Nuclear	17,742.689
Water	302,343.782
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Klickitat County

Market Purchases

Total Market Purchases	19,816.002
BPA Market Purchase*	19,816.002

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Lewis County

Fuel Mix Calendar Year 2011

Biomass	0.14%
Coal	2.76%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	90.99%
Landfill Gases	0.01%
Natural Gas	0.84%
Nuclear	5.18%
Other	0.01%
Petroleum	0.03%
Solar	0.00%
Waste	0.04%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Lewis County

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	603.888	828.750	1,432.638	0.14%
Coal	27,897.571	0.000	27,897.571	2.76%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	38,130.006	883,230.511	921,360.518	90.99%
Landfill Gases	115.138	0.000	115.138	0.01%
Natural Gas	7,635.158	852.181	8,487.339	0.84%
Nuclear	949.074	51,552.070	52,501.144	5.18%
Other	91.214	0.000	91.214	0.01%
Petroleum	281.669	0.000	281.669	0.03%
Solar	0.000	0.000	0.000	0.00%
Waste	448.769	0.000	448.769	0.04%
Wind	0.000	0.000	0.000	0.00%
Total	76,152.488	936,463.512	1,012,616.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Lewis County Claims On Plants

Packwood	Claim Type: PIntMix	1,351.000
	Water	1,351.000
Mill Creek	Claim Type: PIntMix	1,009.000
	Water	1,009.000
Burton Creek Hydro	Claim Type: PIntMix	1,291.000
	Water	1,291.000

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Lewis County

Claims On BPA*

BPA Resource Mix		776,973.678
	Biomass	691.117
	Natural Gas	710.657
	Nuclear	42,990.667
	Water	732,581.237
	Wind	0.000
 BPA Slice		 155,838.834
	Biomass	137.633
	Natural Gas	141.524
	Nuclear	8,561.403
	Water	146,998.274

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Lewis County Market Purchases

Total Market Purchases	76,152.488
BPA Market Purchase*	48,014.322
BPA Slice Wind w/o RECs**	1,108.166
Utility Market Purchase	27,030.000

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Mason County

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.13%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	91.71%
Landfill Gases	0.01%
Natural Gas	0.67%
Nuclear	5.28%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Mason County

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	37.373	67.836	105.209	0.13%
Coal	1,726.484	0.000	1,726.484	2.13%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	2,359.733	71,906.002	74,265.735	91.71%
Landfill Gases	7.125	0.000	7.125	0.01%
Natural Gas	472.513	69.754	542.267	0.67%
Nuclear	58.735	4,219.719	4,278.454	5.28%
Other	5.645	0.000	5.645	0.01%
Petroleum	17.432	0.000	17.432	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	27.773	0.000	27.773	0.03%
Wind	0.000	0.000	0.000	0.00%
Total	4,712.812	76,263.311	80,976.123	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Mason County Claims On BPA*

BPA Resource Mix	76,263.311
Biomass	67.836
Natural Gas	69.754
Nuclear	4,219.719
Water	71,906.002
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Mason County Market Purchases

Total Market Purchases	4,712.812
BPA Market Purchase*	4,712.812

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Okanogan County

Fuel Mix Calendar Year 2011

Biomass	0.08%
Coal	1.14%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	90.83%
Landfill Gases	0.00%
Natural Gas	0.37%
Nuclear	3.66%
Other	0.00%
Petroleum	0.01%
Solar	0.00%
Waste	0.02%
Wind	3.88%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Okanogan County

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	152.128	359.490	511.617	0.08%
Coal	7,027.778	0.000	7,027.778	1.14%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	9,605.468	550,918.523	560,523.990	90.83%
Landfill Gases	29.005	0.000	29.005	0.00%
Natural Gas	1,923.400	369.653	2,293.054	0.37%
Nuclear	239.085	22,361.914	22,600.999	3.66%
Other	22.978	0.000	22.978	0.00%
Petroleum	70.956	0.000	70.956	0.01%
Solar	0.000	0.000	0.000	0.00%
Waste	113.051	0.000	113.051	0.02%
Wind	0.000	23,932.572	23,932.572	3.88%
Total	19,183.848	597,942.152	617,126.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Okanogan County Claims On Plants

Wells	Claim Type: PIntMix	168,341.671
	Water	168,341.671
Nine Canyon	Claim Type: PIntMix	23,932.572
	Wind	23,932.572

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Okanogan County

Claims On BPA*

BPA Resource Mix		191,967.089
	Biomass	170.755
	Natural Gas	175.582
	Nuclear	10,621.715
	Water	180,999.037
	Wind	0.000
 BPA Slice		 213,700.820
	Biomass	188.735
	Natural Gas	194.071
	Nuclear	11,740.199
	Water	201,577.815

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Okanogan County Market Purchases

Total Market Purchases	19,183.848
BPA Market Purchase*	11,862.911
BPA Slice Wind w/o RECs**	1,519.621
Utility Market Purchase	5,801.316

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Pend Oreille Cnty
Fuel Mix Calendar Year 2011

Biomass	0.03%
Coal	0.64%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	98.13%
Landfill Gases	0.00%
Natural Gas	0.19%
Nuclear	0.98%
Other	0.00%
Petroleum	0.01%
Solar	0.00%
Waste	0.01%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Pend Oreille Cnty

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	139.868	155.112	294.980	0.03%
Coal	6,461.422	0.000	6,461.422	0.64%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	8,831.380	978,001.835	986,833.215	98.13%
Landfill Gases	26.667	0.000	26.667	0.00%
Natural Gas	1,768.397	159.498	1,927.895	0.19%
Nuclear	219.817	9,648.699	9,868.517	0.98%
Other	21.126	0.000	21.126	0.00%
Petroleum	65.238	0.000	65.238	0.01%
Solar	0.000	0.000	0.000	0.00%
Waste	103.940	0.000	103.940	0.01%
Wind	0.000	0.000	0.000	0.00%
Total	17,637.856	987,965.144	1,005,603.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Pend Oreille Cnty Claims On Plants

Box Canyon	Claim Type: PIntMix	446,679.000
	Water	446,679.000
Boundary	Claim Type: PIntMix	366,025.000
	Water	366,025.000

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Pend Oreille Cnty

Claims On BPA*

BPA Resource Mix		51,559.781
	Biomass	45.862
	Natural Gas	47.159
	Nuclear	2,852.850
	Water	48,613.910
	Wind	0.000
 BPA Slice		 123,701.363
	Biomass	109.250
	Natural Gas	112.339
	Nuclear	6,795.849
	Water	116,683.925

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Pend Oreille Cnty

Market Purchases

Total Market Purchases	17,637.856
BPA Market Purchase*	3,186.219
BPA Slice Wind w/o RECs**	879.637
Utility Market Purchase	13,572.000

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Skamania County

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.13%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	91.71%
Landfill Gases	0.01%
Natural Gas	0.67%
Nuclear	5.28%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Skamania County

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	64.073	116.302	180.375	0.13%
Coal	2,959.972	0.000	2,959.972	2.13%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	4,045.648	123,279.330	127,324.978	91.71%
Landfill Gases	12.216	0.000	12.216	0.01%
Natural Gas	810.101	119.590	929.691	0.67%
Nuclear	100.698	7,234.502	7,335.200	5.28%
Other	9.678	0.000	9.678	0.01%
Petroleum	29.885	0.000	29.885	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	47.615	0.000	47.615	0.03%
Wind	0.000	0.000	0.000	0.00%
Total	8,079.887	130,749.724	138,829.611	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Skamania County

Claims On BPA*

BPA Resource Mix	130,749.724
Biomass	116.302
Natural Gas	119.590
Nuclear	7,234.502
Water	123,279.330
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Skamania County

Market Purchases

Total Market Purchases	8,079.887
BPA Market Purchase*	8,079.887

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Snohomish County

Fuel Mix Calendar Year 2011

Biomass	1.63%
Coal	4.03%
Cogeneration	0.10%
Geothermal	0.00%
Hydro	88.42%
Landfill Gases	0.02%
Natural Gas	1.17%
Nuclear	4.50%
Other	0.01%
Petroleum	0.04%
Solar	0.00%
Waste	0.06%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Snohomish County

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	6,264.101	110,962.553	117,226.654	1.63%
Coal	289,380.103	0.000	289,380.103	4.03%
Cogeneration	0.000	7,534.440	7,534.440	0.10%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	395,520.643	5,959,058.731	6,354,579.374	88.42%
Landfill Gases	1,194.316	0.000	1,194.316	0.02%
Natural Gas	79,199.113	5,187.626	84,386.739	1.17%
Nuclear	9,844.698	313,821.718	323,666.416	4.50%
Other	946.162	0.000	946.162	0.01%
Petroleum	2,921.736	0.000	2,921.736	0.04%
Solar	0.000	0.000	0.000	0.00%
Waste	4,655.060	0.000	4,655.060	0.06%
Wind	0.000	0.000	0.000	0.00%
Total	789,925.932	6,396,565.068	7,186,491.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Snohomish County

Claims On Plants

Packwood	Claim Type: PlntMix	101,703.000
	Water	101,703.000
H M Jackson	Claim Type: PlntMix	485,784.000
	Water	485,784.000
Everett Cogen	Claim Type: Cogen	104,236.000
	Natural Gas	7,534.440
	Wood	96,701.560
Hampton Lumber Mill	Claim Type: PlntMix	9,216.000
	Wood	9,216.000
Woods Creek	Claim Type: PlntMix	1,728.000
	Water	1,728.000
Youngs Creek	Claim Type: PlntMix	3,059.000
	Water	3,059.000

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Snohomish County

Claims On BPA*

BPA Resource Mix		3,002,206.862
	Biomass	2,670.460
	Natural Gas	2,745.960
	Nuclear	166,114.862
	Water	2,830,675.581
	Wind	0.000
BPA Slice		2,688,632.205
	Biomass	2,374.533
	Natural Gas	2,441.666
	Nuclear	147,706.856
	Water	2,536,109.150

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Snohomish County

Market Purchases

Total Market Purchases	789,925.932
BPA Market Purchase*	185,526.138
BPA Slice Wind w/o RECs**	19,118.795
Utility Market Purchase	585,281.000

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Wahkiakum County

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.13%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	91.71%
Landfill Gases	0.01%
Natural Gas	0.67%
Nuclear	5.28%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Wahkiakum County

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	20.355	36.947	57.302	0.13%
Coal	940.334	0.000	940.334	2.13%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	1,285.235	39,163.806	40,449.041	91.71%
Landfill Gases	3.881	0.000	3.881	0.01%
Natural Gas	257.356	37.992	295.347	0.67%
Nuclear	31.990	2,298.282	2,330.272	5.28%
Other	3.075	0.000	3.075	0.01%
Petroleum	9.494	0.000	9.494	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	15.127	0.000	15.127	0.03%
Wind	0.000	0.000	0.000	0.00%
Total	2,566.846	41,537.027	44,103.873	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Wahkiakum County

Claims On BPA*

BPA Resource Mix	41,537.027
Biomass	36.947
Natural Gas	37.992
Nuclear	2,298.282
Water	39,163.806
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Wahkiakum County

Market Purchases

Total Market Purchases	2,566.846
BPA Market Purchase*	2,566.846

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Whatcom County

Fuel Mix Calendar Year 2011

Biomass	0.12%
Coal	1.98%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	85.14%
Landfill Gases	0.01%
Natural Gas	0.62%
Nuclear	4.90%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	7.17%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Whatcom County

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	98.844	179.416	278.260	0.12%
Coal	4,566.275	0.000	4,566.275	1.98%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	6,241.120	190,179.968	196,421.088	85.14%
Landfill Gases	18.846	0.000	18.846	0.01%
Natural Gas	1,249.723	184.488	1,434.211	0.62%
Nuclear	155.344	11,160.487	11,315.832	4.90%
Other	14.930	0.000	14.930	0.01%
Petroleum	46.104	0.000	46.104	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	73.455	0.000	73.455	0.03%
Wind	0.000	16,531.000	16,531.000	7.17%
Total	12,464.641	218,235.359	230,700.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Whatcom County

Claims On Plants

Stateline--WA (FPL Energy	Claim Type: PIntMix	4,250.030
	Wind	4,250.030
Foot Creek I	Claim Type: PIntMix	3,682.000
	Wind	3,682.000
Foot Creek II	Claim Type: PIntMix	450.000
	Wind	450.000
Condon Windpower LLC	Claim Type: PIntMix	3,549.000
	Wind	3,549.000
Klondike	Claim Type: PIntMix	1,550.000
	Wind	1,550.000
Stateline--OR (FPL Energy	Claim Type: PIntMix	3,049.970
	Wind	3,049.970

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Whatcom County

Claims On BPA*

BPA Resource Mix	201,704.359
Biomass	179.416
Natural Gas	184.488
Nuclear	11,160.487
Water	190,179.968
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 1 of Whatcom County

Market Purchases

Total Market Purchases	12,464.641
BPA Market Purchase*	12,464.641

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 2 of Grant County

Fuel Mix Calendar Year 2011

Biomass	0.27%
Coal	11.08%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	83.17%
Landfill Gases	0.05%
Natural Gas	3.06%
Nuclear	2.05%
Other	0.04%
Petroleum	0.11%
Solar	0.00%
Waste	0.18%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 2 of Grant County

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	9,955.492	1,115.212	11,070.704	0.27%
Coal	459,909.743	0.000	459,909.743	11.08%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	628,598.150	2,823,654.047	3,452,252.197	83.17%
Landfill Gases	1,898.118	0.000	1,898.118	0.05%
Natural Gas	125,870.588	1,146.742	127,017.329	3.06%
Nuclear	15,646.109	69,371.322	85,017.432	2.05%
Other	1,503.728	0.000	1,503.728	0.04%
Petroleum	4,643.495	0.000	4,643.495	0.11%
Solar	0.000	0.000	0.000	0.00%
Waste	7,398.253	0.000	7,398.253	0.18%
Wind	0.000	0.000	0.000	0.00%
Total	1,255,423.676	2,895,287.324	4,150,711.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 2 of Grant County

Claims On Plants

Priest Rapids	Claim Type: PIntMix	786,239.000
	Water	786,239.000
Wanapum	Claim Type: PIntMix	817,968.000
	Water	817,968.000
Potholes East Canal 66.0	Claim Type: PIntMix	10,878.000
	Water	10,878.000
Quincy Chute	Claim Type: PIntMix	26,449.000
	Water	26,449.000

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 2 of Grant County

Claims On BPA*

BPA Resource Mix	1,253,753.324
Biomass	1,115.212
Natural Gas	1,146.742
Nuclear	69,371.322
Water	1,182,120.047
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 2 of Grant County

Market Purchases

Total Market Purchases	1,255,423.676
BPA Market Purchase*	77,477.676
Utility Market Purchase	1,177,946.000

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 2 of Pacific County

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.20%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	89.23%
Landfill Gases	0.01%
Natural Gas	0.69%
Nuclear	5.13%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
Wind	2.55%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 2 of Pacific County

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	148.580	253.352	401.932	0.13%
Coal	6,863.890	0.000	6,863.890	2.20%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	9,381.467	268,859.774	278,241.241	89.23%
Landfill Gases	28.328	0.000	28.328	0.01%
Natural Gas	1,878.546	260.514	2,139.061	0.69%
Nuclear	233.509	15,759.632	15,993.141	5.13%
Other	22.442	0.000	22.442	0.01%
Petroleum	69.302	0.000	69.302	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	110.415	0.000	110.415	0.04%
Wind	0.000	7,946.000	7,946.000	2.55%
Total	18,736.480	293,079.271	311,815.751	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 2 of Pacific County

Claims On Plants

Stateline--WA (FPL Energy	Claim Type: PIntMix	2,037.686
	Wind	2,037.686
Foot Creek I	Claim Type: PIntMix	1,836.000
	Wind	1,836.000
Foot Creek II	Claim Type: PIntMix	150.000
	Wind	150.000
Condon Windpower LLC	Claim Type: PIntMix	1,710.000
	Wind	1,710.000
Klondike	Claim Type: PIntMix	750.000
	Wind	750.000
Stateline--OR (FPL Energy	Claim Type: PIntMix	1,462.314
	Wind	1,462.314

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 2 of Pacific County

Claims On BPA*

BPA Resource Mix		241,780.306
	Biomass	215.063
	Natural Gas	221.144
	Nuclear	13,377.926
	Water	227,966.173
	Wind	0.000
BPA Slice		43,352.965
	Biomass	38.288
	Natural Gas	39.371
	Nuclear	2,381.706
	Water	40,893.601

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 2 of Pacific County

Market Purchases

Total Market Purchases	18,736.480
BPA Market Purchase*	14,941.198
BPA Slice Wind w/o RECs**	308.282
Utility Market Purchase	3,487.000

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 3 of Mason County

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.10%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	90.71%
Landfill Gases	0.01%
Natural Gas	0.66%
Nuclear	5.21%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	1.11%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 3 of Mason County

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	320.795	582.285	903.080	0.13%
Coal	14,819.622	0.000	14,819.622	2.10%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	20,255.250	618,638.770	638,894.020	90.71%
Landfill Gases	61.163	0.000	61.163	0.01%
Natural Gas	4,055.914	598.748	4,654.662	0.66%
Nuclear	504.163	36,220.815	36,724.978	5.21%
Other	48.454	0.000	48.454	0.01%
Petroleum	149.627	0.000	149.627	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	238.393	0.000	238.393	0.03%
Wind	0.000	7,839.000	7,839.000	1.11%
Total	40,453.382	663,879.618	704,333.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 3 of Mason County

Claims On Plants

Packwood	Claim Type: PlntMix	1,419.000
	Water	1,419.000
Nine Canyon	Claim Type: PlntMix	7,839.000
	Wind	7,839.000

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 3 of Mason County

Claims On BPA*

BPA Resource Mix	654,621.618
Biomass	582.285
Natural Gas	598.748
Nuclear	36,220.815
Water	617,219.770
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

PUD No 3 of Mason County

Market Purchases

Total Market Purchases	40,453.382
BPA Market Purchase*	40,453.382

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Puget Sound Energy, Inc

Fuel Mix Calendar Year 2011

Biomass	0.30%
Coal	31.72%
Cogeneration	5.01%
Geothermal	0.00%
Hydro	49.65%
Landfill Gases	0.06%
Natural Gas	11.56%
Nuclear	0.64%
Other	0.04%
Petroleum	0.18%
Solar	0.00%
Waste	0.84%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Puget Sound Energy, Inc

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	67,027.471	1,314.796	68,342.266	0.30%
Coal	3,096,440.327	4,140,213.556	7,236,653.883	31.72%
Cogeneration	0.000	1,142,262.986	1,142,262.986	5.01%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	4,232,170.971	7,097,498.218	11,329,669.190	49.65%
Landfill Gases	12,779.487	0.000	12,779.487	0.06%
Natural Gas	847,450.548	1,789,562.415	2,637,012.963	11.56%
Nuclear	105,340.763	41,182.062	146,522.826	0.64%
Other	10,124.169	0.000	10,124.169	0.04%
Petroleum	31,263.318	10,192.680	41,455.998	0.18%
Solar	0.000	15.000	15.000	0.00%
Waste	49,810.318	142,727.914	192,538.231	0.84%
Wind	0.000	188.000	188.000	0.00%
Total	8,452,407.373	14,365,157.627	22,817,565.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Puget Sound Energy, Inc

Claims On Plants

Crystal Mountain	Claim Type: PIntMix	269.000
	Petroleum(light oil)	269.000
Electron	Claim Type: PIntMix	49,549.000
	Water	49,549.000
Lower Baker	Claim Type: PIntMix	327,556.000
	Water	327,556.000
Upper Baker	Claim Type: PIntMix	296,569.000
	Water	296,569.000
Rocky Reach	Claim Type: PIntMix	2,606,069.000
	Water	2,606,069.000
Wells	Claim Type: PIntMix	1,044,488.000
	Water	1,044,488.000
Priest Rapids	Claim Type: PIntMix	223,502.000
	Water	223,502.000
Wanapum	Claim Type: PIntMix	26,238.000
	Water	26,238.000

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Puget Sound Energy, Inc

Port Townsend Paper Corp	Claim Type: PlntMix	2,915.000
	Petroleum(heavy oil)	430.877
	Waste	1,597.914
	Water	233.456
	Wood	652.753
Twin Falls Hydro	Claim Type: PlntMix	88,840.000
	Water	88,840.000
Wheelabrator Spokane Inc	Claim Type: PlntMix	141,130.000
	Waste	141,130.000
Koma Kulshan Associates	Claim Type: PlntMix	40,448.000
	Water	40,448.000
March Point Cogeneration Co	Claim Type: Cogen	1,062,296.000
	Natural Gas	1,062,296.000
Weeks Falls	Claim Type: PlntMix	15,585.000
	Water	15,585.000
Sumas Cogeneration Co LP	Claim Type: PlntMix	175,590.000
	Natural Gas	175,590.000
Tenaska Washington Partners	Claim Type: Cogen	80,028.000
	Petroleum(light oil)	61.014
	Natural Gas	79,966.986
Hutchinson Creek	Claim Type: PlntMix	1,161.000
	Water	1,161.000

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Puget Sound Energy, Inc

Black Creek	Claim Type: PlntMix	9,563.000
	Water	9,563.000
Goldendale Generating	Claim Type: PlntMix	599,432.000
	Natural Gas	599,432.000
Mint Farm Generation LLC	Claim Type: PlntMix	691,036.000
	Natural Gas	691,036.000
Frederickson Power LP	Claim Type: PlntMix	133,091.000
	Natural Gas	133,091.000
Fredonia	Claim Type: PlntMix	75,582.000
	Petroleum(light oil)	3,510.234
	Natural Gas	72,071.766
Colstrip	Claim Type: PlntMix	4,144,340.000
	Coal(bituminous)	4,140,213.556
	Petroleum(light oil)	2,824.449
	Petroleum(heavy oil)	1,301.995
Whitehorn	Claim Type: PlntMix	22,147.000
	Petroleum(light oil)	1,122.400
	Natural Gas	21,024.600
Rock Island	Claim Type: PlntMix	1,621,862.000
	Water	1,621,862.000
Skookumchuck	Claim Type: PlntMix	4,938.000
	Water	4,938.000

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Puget Sound Energy, Inc

The Dalles Fishway	Claim Type: PIntMix	37,832.000
	Water	37,832.000
Encogen	Claim Type: PIntMix	87,490.000
	Petroleum(light oil)	301.539
	Natural Gas	87,188.461
Frederickson	Claim Type: PIntMix	9,819.000
	Petroleum(light oil)	371.171
	Natural Gas	9,447.829
Sygitowicz Creek	Claim Type: PIntMix	1,136.000
	Water	1,136.000
Island Community Solar	Claim Type: PIntMix	15.000
	Solar--Photovoltaic	15.000
3 Bar G Wind Turbine #3	Claim Type: PIntMix	103.000
	Wind	103.000
First Up Knudson Wind	Claim Type: PIntMix	85.000
	Wind	85.000
Smith Creek (Whatcom	Claim Type: PIntMix	167.000
	Water	167.000

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Puget Sound Energy, Inc

Claims On BPA*

BPA Resource Mix	744,286.627
Biomass	662.042
Natural Gas	680.760
Nuclear	41,182.062
Water	701,761.763
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Puget Sound Energy, Inc

Market Purchases

Total Market Purchases	8,452,407.373
BPA Market Purchase*	45,994.373
Utility Market Purchase	8,406,413.000

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Ruston Electric Utility

Fuel Mix Calendar Year 2011

Biomass	0.10%
Coal	1.96%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	93.36%
Landfill Gases	0.01%
Natural Gas	0.60%
Nuclear	3.91%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Ruston Electric Utility

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	2.635	3.842	6.478	0.10%
Coal	121.749	0.000	121.749	1.96%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	166.404	5,638.055	5,804.459	93.36%
Landfill Gases	0.502	0.000	0.502	0.01%
Natural Gas	33.321	3.951	37.272	0.60%
Nuclear	4.142	239.012	243.154	3.91%
Other	0.398	0.000	0.398	0.01%
Petroleum	1.229	0.000	1.229	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	1.958	0.000	1.958	0.03%
Wind	0.000	0.000	0.000	0.00%
Total	332.339	5,884.861	6,217.200	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Ruston Electric Utility

Claims On Plants

Priest Rapids	Claim Type: PIntMix	51.218
	Water	51.218
Alder	Claim Type: PIntMix	111.170
	Water	111.170
Cushman 1	Claim Type: PIntMix	67.377
	Water	67.377
Cushman 2	Claim Type: PIntMix	109.375
	Water	109.375
LaGrande	Claim Type: PIntMix	174.297
	Water	174.297
Mayfield	Claim Type: PIntMix	357.178
	Water	357.178
Mossyrock	Claim Type: PIntMix	571.118
	Water	571.118
Wynoochee	Claim Type: PIntMix	15.360
	Water	15.360
Grand Coulee Project Hydro	Claim Type: PIntMix	102.332
	Water	102.332

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Ruston Electric Utility

Hood Street Reservoir

Claim Type: PIntMix

1.426

Water

1.426

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Ruston Electric Utility

Claims On BPA*

BPA Resource Mix		3,716.035
	Biomass	3.305
	Natural Gas	3.399
	Nuclear	205.612
	Water	3,503.719
	Wind	0.000
BPA Slice		607.976
	Biomass	0.537
	Natural Gas	0.552
	Nuclear	33.401
	Water	573.486

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Ruston Electric Utility

Market Purchases

Total Market Purchases	332.339
BPA Market Purchase*	229.638
BPA Slice Wind w/o RECs**	4.323
Utility Market Purchase	98.378

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Seattle City Light

Fuel Mix Calendar Year 2011

Biomass	0.05%
Coal	0.52%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	92.39%
Landfill Gases	0.25%
Natural Gas	0.18%
Nuclear	2.52%
Other	0.00%
Petroleum	0.01%
Solar	0.00%
Waste	0.01%
Wind	4.07%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Seattle City Light

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	1,145.936	4,087.925	5,233.861	0.05%
Coal	52,938.339	0.000	52,938.339	0.52%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	72,355.375	9,323,795.180	9,396,150.555	92.39%
Landfill Gases	218.485	25,662.000	25,880.485	0.25%
Natural Gas	14,488.451	4,203.500	18,691.951	0.18%
Nuclear	1,800.960	254,287.685	256,088.645	2.52%
Other	173.088	0.000	173.088	0.00%
Petroleum	534.494	0.000	534.494	0.01%
Solar	0.000	0.000	0.000	0.00%
Waste	851.583	0.000	851.583	0.01%
Wind	0.000	413,697.000	413,697.000	4.07%
Total	144,506.710	10,025,733.290	10,170,240.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Seattle City Light

Claims On Plants

Priest Rapids	Claim Type: PIntMix	20,665.000
	Water	20,665.000
Stateline--WA (FPL Energy	Claim Type: PIntMix	240,852.706
	Wind	240,852.706
Stateline--OR (FPL Energy	Claim Type: PIntMix	172,844.294
	Wind	172,844.294
Columbia Ridge	Claim Type: PIntMix	25,662.000
	Landfill Gases	25,662.000
Ross	Claim Type: PIntMix	555,741.000
	Water	555,741.000
South Fork Tolt	Claim Type: PIntMix	31,851.000
	Water	31,851.000
Cedar Falls	Claim Type: PIntMix	70,214.000
	Water	70,214.000
Gorge	Claim Type: PIntMix	699,722.000
	Water	699,722.000
Diablo	Claim Type: PIntMix	588,164.000
	Water	588,164.000

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Seattle City Light

Boundary	Claim Type: PIntMix	2,640,475.000
	Water	2,640,475.000
Newhalem	Claim Type: PIntMix	1,112.000
	Water	1,112.000
Grand Coulee Project Hydro	Claim Type: PIntMix	152,200.000
	Water	152,200.000
High Ross Treaty	Claim Type: PIntMix	212,187.000
	Water	212,187.000

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Seattle City Light

Claims On BPA*

BPA Resource Mix	2,042,518.338
Biomass	1,816.818
Natural Gas	1,868.183
Nuclear	113,014.415
Water	1,925,818.921
Wind	0.000
BPA Slice	2,571,524.952
Biomass	2,271.107
Natural Gas	2,335.316
Nuclear	141,273.271
Water	2,425,645.258

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Seattle City Light

Market Purchases

Total Market Purchases	144,506.710
BPA Market Purchase*	126,220.662
BPA Slice Wind w/o RECs**	18,286.048

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Tacoma Power

Fuel Mix Calendar Year 2011

Biomass	0.10%
Coal	1.96%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	93.36%
Landfill Gases	0.01%
Natural Gas	0.60%
Nuclear	3.91%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Tacoma Power

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	2,147.708	3,131.260	5,278.968	0.10%
Coal	99,216.770	0.000	99,216.770	1.96%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	135,608.082	4,594,631.433	4,730,239.515	93.36%
Landfill Gases	409.483	0.000	409.483	0.01%
Natural Gas	27,154.183	3,219.788	30,373.971	0.60%
Nuclear	3,375.350	194,778.765	198,154.115	3.91%
Other	324.401	0.000	324.401	0.01%
Petroleum	1,001.746	0.000	1,001.746	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	1,596.032	0.000	1,596.032	0.03%
Wind	0.000	0.000	0.000	0.00%
Total	270,833.754	4,795,761.246	5,066,595.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Tacoma Power

Claims On Plants

Priest Rapids	Claim Type: PIntMix	41,739.000
	Water	41,739.000
Alder	Claim Type: PIntMix	90,596.000
	Water	90,596.000
Cushman 1	Claim Type: PIntMix	54,908.000
	Water	54,908.000
Cushman 2	Claim Type: PIntMix	89,133.000
	Water	89,133.000
LaGrande	Claim Type: PIntMix	142,040.000
	Water	142,040.000
Mayfield	Claim Type: PIntMix	291,076.000
	Water	291,076.000
Mossyrock	Claim Type: PIntMix	465,422.000
	Water	465,422.000
Wynoochee	Claim Type: PIntMix	12,517.000
	Water	12,517.000
Grand Coulee Project Hydro	Claim Type: PIntMix	83,394.000
	Water	83,394.000

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Tacoma Power

Hood Street Reservoir	Claim Type: PIntMix	1,162.000
	Water	1,162.000

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Tacoma Power

Claims On BPA*

BPA Resource Mix		3,028,315.441
	Biomass	2,693.683
	Natural Gas	2,769.840
	Nuclear	167,559.474
	Water	2,855,292.444
	Wind	0.000
BPA Slice		495,458.805
	Biomass	437.577
	Natural Gas	449.948
	Nuclear	27,219.291
	Water	467,351.989

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Tacoma Power

Market Purchases

Total Market Purchases	270,833.754
BPA Market Purchase*	187,139.559
BPA Slice Wind w/o RECs**	3,523.195
Utility Market Purchase	80,171.000

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

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Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Tanner Electric Cooperative

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.12%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	91.25%
Landfill Gases	0.01%
Natural Gas	0.67%
Nuclear	5.26%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	0.51%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Tanner Electric Cooperative

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	42.818	77.720	120.538	0.13%
Coal	1,978.032	0.000	1,978.032	2.12%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	2,703.547	82,382.718	85,086.265	91.25%
Landfill Gases	8.164	0.000	8.164	0.01%
Natural Gas	541.359	79.917	621.276	0.67%
Nuclear	67.293	4,834.533	4,901.825	5.26%
Other	6.467	0.000	6.467	0.01%
Petroleum	19.971	0.000	19.971	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	31.819	0.000	31.819	0.03%
Wind	0.000	473.000	473.000	0.51%
Total	5,399.470	87,847.888	93,247.358	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Tanner Electric Cooperative

Claims On Plants

Stateline--WA (FPL Energy	Claim Type: PIntMix	116.439
	Wind	116.439
Condon Windpower LLC	Claim Type: PIntMix	223.000
	Wind	223.000
Klondike	Claim Type: PIntMix	50.000
	Wind	50.000
Stateline--OR (FPL Energy	Claim Type: PIntMix	83.561
	Wind	83.561

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Tanner Electric Cooperative

Claims On BPA*

BPA Resource Mix	87,374.888
Biomass	77.720
Natural Gas	79.917
Nuclear	4,834.533
Water	82,382.718
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Tanner Electric Cooperative

Market Purchases

Total Market Purchases	5,399.470
BPA Market Purchase*	5,399.470

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

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Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Town of Eatonville

Fuel Mix Calendar Year 2011

Biomass	0.12%
Coal	2.03%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	87.51%
Landfill Gases	0.01%
Natural Gas	0.64%
Nuclear	5.04%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	4.58%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Town of Eatonville

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	13.555	24.603	38.158	0.12%
Coal	626.173	0.000	626.173	2.03%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	855.845	26,079.383	26,935.228	87.51%
Landfill Gases	2.584	0.000	2.584	0.01%
Natural Gas	171.375	25.299	196.673	0.64%
Nuclear	21.302	1,530.438	1,551.740	5.04%
Other	2.047	0.000	2.047	0.01%
Petroleum	6.322	0.000	6.322	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	10.073	0.000	10.073	0.03%
Wind	0.000	1,411.000	1,411.000	4.58%
Total	1,709.277	29,070.723	30,780.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Town of Eatonville

Claims On Plants

Stateline--WA (FPL Energy	Claim Type: PIntMix	588.600
	Wind	588.600
Condon Windpower LLC	Claim Type: PIntMix	250.000
	Wind	250.000
Klondike	Claim Type: PIntMix	150.000
	Wind	150.000
Stateline--OR (FPL Energy	Claim Type: PIntMix	422.400
	Wind	422.400

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Town of Eatonville

Claims On BPA*

BPA Resource Mix	27,659.723
Biomass	24.603
Natural Gas	25.299
Nuclear	1,530.438
Water	26,079.383
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Town of Eatonville

Market Purchases

Total Market Purchases	1,709.277
BPA Market Purchase*	1,709.277

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Town of Steilacoom

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.13%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	91.71%
Landfill Gases	0.01%
Natural Gas	0.67%
Nuclear	5.28%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	0.00%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Town of Steilacoom

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	19.572	35.525	55.097	0.13%
Coal	904.143	0.000	904.143	2.13%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	1,235.770	37,656.478	38,892.248	91.71%
Landfill Gases	3.732	0.000	3.732	0.01%
Natural Gas	247.451	36.530	283.980	0.67%
Nuclear	30.759	2,209.826	2,240.585	5.28%
Other	2.956	0.000	2.956	0.01%
Petroleum	9.129	0.000	9.129	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	14.544	0.000	14.544	0.03%
Wind	0.000	0.000	0.000	0.00%
Total	2,468.054	39,938.359	42,406.413	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Town of Steilacoom

Claims On BPA*

BPA Resource Mix	39,938.359
Biomass	35.525
Natural Gas	36.530
Nuclear	2,209.826
Water	37,656.478
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Town of Steilacoom

Market Purchases

Total Market Purchases	2,468.054
BPA Market Purchase*	2,468.054

* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Vera Water & Power

Fuel Mix Calendar Year 2011

Biomass	0.13%
Coal	2.11%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	90.85%
Landfill Gases	0.01%
Natural Gas	0.66%
Nuclear	5.23%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
Wind	0.94%
Total	100.00%

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Vera Water & Power

Fuel Mix Calculations Calendar Year 2011

Fuel	MWh from Market Purchases*	MWh from Claims On Resources*	Total	Percent
Biomass	106.041	192.479	298.520	0.13%
Coal	4,898.732	0.000	4,898.732	2.11%
Cogeneration	0.000	0.000	0.000	0.00%
Geothermal	0.000	0.000	0.000	0.00%
Hydro	6,695.518	204,026.398	210,721.916	90.85%
Landfill Gases	20.218	0.000	20.218	0.01%
Natural Gas	1,340.711	197.920	1,538.632	0.66%
Nuclear	166.655	11,973.049	12,139.703	5.23%
Other	16.017	0.000	16.017	0.01%
Petroleum	49.460	0.000	49.460	0.02%
Solar	0.000	0.000	0.000	0.00%
Waste	78.803	0.000	78.803	0.03%
Wind	0.000	2,190.000	2,190.000	0.94%
Total	13,372.154	218,579.846	231,952.000	100.00%

* Market Purchases include those made directly by utilities, as well as the fraction of delivered BPA power that can be attributed to BPA's purchases of market power. Claims on Resources include those made directly by utilities, as well as the fractions of delivered BPA power that can be attributed to specific plants.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Vera Water & Power

Claims On Plants

Stateline--WA (FPL Energy	Claim Type: PIntMix	465.757
	Wind	465.757
Foote Creek I	Claim Type: PIntMix	503.000
	Wind	503.000
Foote Creek II	Claim Type: PIntMix	44.000
	Wind	44.000
Condon Windpower LLC	Claim Type: PIntMix	743.000
	Wind	743.000
Klondike	Claim Type: PIntMix	100.000
	Wind	100.000
Stateline--OR (FPL Energy	Claim Type: PIntMix	334.243
	Wind	334.243

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Vera Water & Power

Claims On BPA*

BPA Resource Mix	216,389.846
Biomass	192.479
Natural Gas	197.920
Nuclear	11,973.049
Water	204,026.398
Wind	0.000

*The BPA Resource Mix includes only the fraction of delivered BPA power that can be attributed to specific plants. The fraction of BPA power that BPA purchased on the market is included in the 'Market Purchases' table.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Vera Water & Power

Market Purchases

Total Market Purchases	13,372.154
BPA Market Purchase*	13,372.154

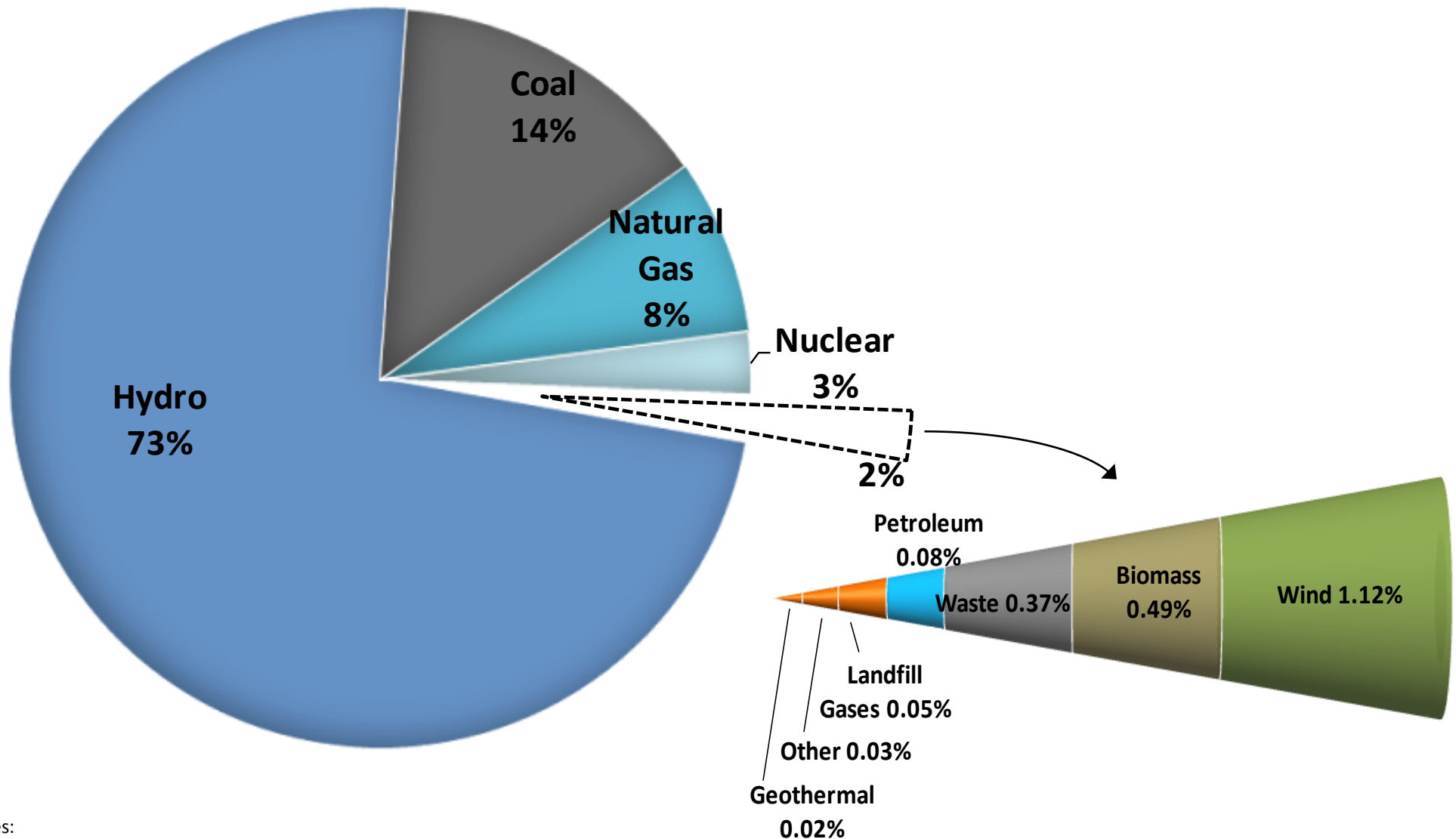
* 'BPA Market Purchases' are the fraction of delivered BPA power that BPA purchased on the market.

**The BPA Slice product includes a small amount of wind power that is not bundled with the Renewable Energy Credits (REC) associated with that power. Such power is assigned the net system fuel mix -- as though it were a market purchase.

Calculations are based on power purchases for 2011 reported by the Utility to the Washington State Department of Commerce in 2012.

Washington State Electric Utilities Aggregate Fuel Mix 2011

(megawatt hours) Page 1 of 2



Notes:

- Fuel Mix' is the range of energy sources that make up total retail electricity sales to customers.
- "Market Purchases" are utility **and** BPA purchases or claims acquired on the spot market and not connected with a specified energy plant (16% of total).
- "Claims on Facilities" are utility purchases or claims connected with a specified energy plant, typically representing a contracted agreement for energy purchase (84% of total).
- The "Other" fuel category consists of fuel remaining after categories listed in fuel mix disclosure legislation have been matched with reported categories. It contains: blast furnace gas, other biomass gas such as digester gas and methane, and purchased steam.
- Black Liquor is reported in the Waste category.

Washington State Electric Utilities Aggregate Fuel Mix 2011

(Megawatt hours)

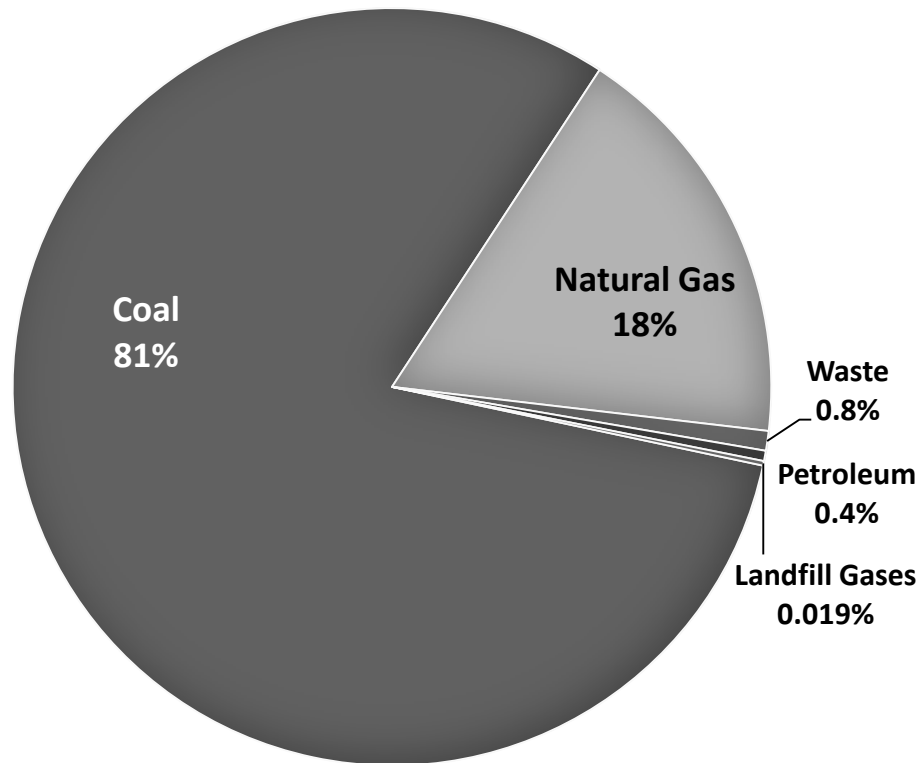
Fuel	Market Purchases	Claims on Facilities	Total	Percent
Hydro	7,272,368	59,575,028	66,847,397	73%
Coal	5,132,596	7,768,041	12,900,636	14%
Natural Gas	1,432,979	4,251,244	5,684,223	6%
Nuclear	182,630	2,207,614	2,390,245	3%
Cogeneration	-	1,319,055	1,319,055	1%
Wind	-	1,017,702	1,017,702	1%
Biomass	114,181	332,709	446,890	0.49
Waste	86,354	250,594	336,948	0.37
Petroleum	53,880	14,659	68,539	0.08
Landfill Gases	22,007	27,202	49,209	0.05
Other	17,499	9,808	27,307	0.03
Geothermal	-	18,107	18,107	0.02
Solar	-	15	15	0.00
Total	14,314,495	76,791,777	91,106,272	100%

Notes:

- Fuel Mix' is the range of energy sources that make up total retail electricity sales to customers.
- "Market Purchases" are utility **and** BPA purchases or claims acquired on the spot market and not connected with a specified energy plant (16% of total).
- "Claims on Facilities" are utility purchases or claims connected with a specified energy plant, typically representing a contracted agreement for energy purchase (84% of total).
- The "Other" fuel category consists of fuel remaining after categories listed in fuel mix disclosure legislation have been matched with reported categories. It contains: blast furnace gas, other biomass gas such as digester gas and methane, and purchased steam.
- Black Liquor is reported in the Waste category.

2011 Washington State Aggregate Electric Utility CO₂ Emissions by Fuel Type

(emissions resulting from electricity sold to Washington residents)



Fuel Type	Tons of CO ₂
Coal	14,131,168
Natural Gas	3,081,956
Waste	146,863
Petroleum	76,738
Landfill Gases	33,894
Total CO ₂	17,470,620

Other Emissions	
SO ₂ (tons)	15,098
NO _x (tons)	20,236
Hg (lbs)	520

Notes:

- Emissions are allocated by amount and type of fuel purchased by electric utilities serving Washington State customers.
- Figures include BPA direct sales to end-users in the state of Washington.
- Natural Gas includes cogeneration; mostly comprised of the heat energy produced by a plant heat engine or power station that simultaneously generates electricity and steam energy.
- CO₂=carbon dioxide, SO₂=sulfur dioxide, NO_x=nitrogen oxides, Hg=mercury
- Landfill Gases: electricity produced by a plant that uses waste gases produced by the decomposition of organic materials in landfills.
- Figures are rounded upward.