



**Department of Commerce**  
Innovation is in our nature.

# **Washington State Electric Utility Fuel Mix Disclosure Reports For Calendar Year 2013**

**1<sup>st</sup> Revision**

March 2015  
Brian Bonlender, Director

## Acknowledgements

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

Angela Burrell, Project Manager, Energy Office  
Greg Nothstein, Research  
Tony Usibelli, Director, Energy Office  
Carolee Sharp, Editor

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

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

## Table of Contents

Forward .....	1
Washington State Electric Utilities 2013 Graphs and Tables.....	2
Washington State Electric Utilities: Fossil Fuel Emissions .....	6
Alder Mutual Light Co, Inc. ....	11
Avista Corporation (WA) .....	14
Benton Rural Electric Assn. ....	18
Big Bend Electric Coop, Inc.....	21
Bonneville Power Admin (WA End User Sales) .....	24
Chewelah Light Department .....	27
City of Blaine.....	30
City of Centralia .....	33
City of Cheney .....	36
City of Ellensburg .....	39
City of Milton.....	42
City of Port Angeles .....	45
City of Richland .....	48
City of Sumas.....	51
Clearwater Power Company .....	54
Columbia Rural Electric Association, Inc.....	57
Coulee Dam Light Department .....	60
Elmhurst Mutual Power & Light Co.....	63
Inland Power & Light Company.....	66
Lakeview Light & Power.....	70
McCleary Light & Power.....	73

Modern Electric Water Company.....	76
Nespelem Valley Electric Coop, Inc. ....	79
Northern Lights, Inc.....	82
Ohop Mutual Light Company.....	85
Okanogan County Electric Coop, Inc.....	88
Orcas Power & Light Cooperative.....	91
Pacific Power and Light .....	94
Parkland Light & Water Company .....	96
Peninsula Light Company.....	99
PUD No 1 of Asotin County .....	102
PUD No 1 of Benton County .....	105
PUD No 1 of Chelan County.....	109
PUD No 1 of Clallam County.....	112
PUD No 1 of Clark County.....	115
PUD No 1 of Cowlitz County .....	118
PUD No 1 of Douglas County.....	122
PUD No 1 of Ferry County.....	124
PUD No 1 of Franklin County.....	127
PUD No 1 of Grays Harbor County.....	131
PUD No 1 of Jefferson County.....	134
PUD No 1 of Kittitas County .....	137
PUD No 1 of Klickitat County.....	140
PUD No 1 of Lewis County.....	144
PUD No 1 of Mason County .....	148
PUD No 1 of Okanogan County .....	151
PUD No 1 of Pend Oreille County.....	155

PUD No 1 of Skamania County .....	159
PUD No 1 of Snohomish County .....	162
PUD No 1 of Wahkiakum County .....	166
PUD No 1 of Whatcom County .....	169
PUD No 2 of Grant County .....	172
PUD No 2 of Pacific County .....	175
PUD No 3 of Mason County .....	178
Puget Sound Energy, Inc. ....	181
Ruston Electric Utility .....	186
Seattle City Light .....	189
Tacoma Power .....	193
Tanner Electric Cooperative .....	197
Town of Eatonville .....	200
Town of Steilacoom .....	203
Vera Water & Power .....	206

## Forward

**Washington Fuel Mix 2013 is revised in this publication.**

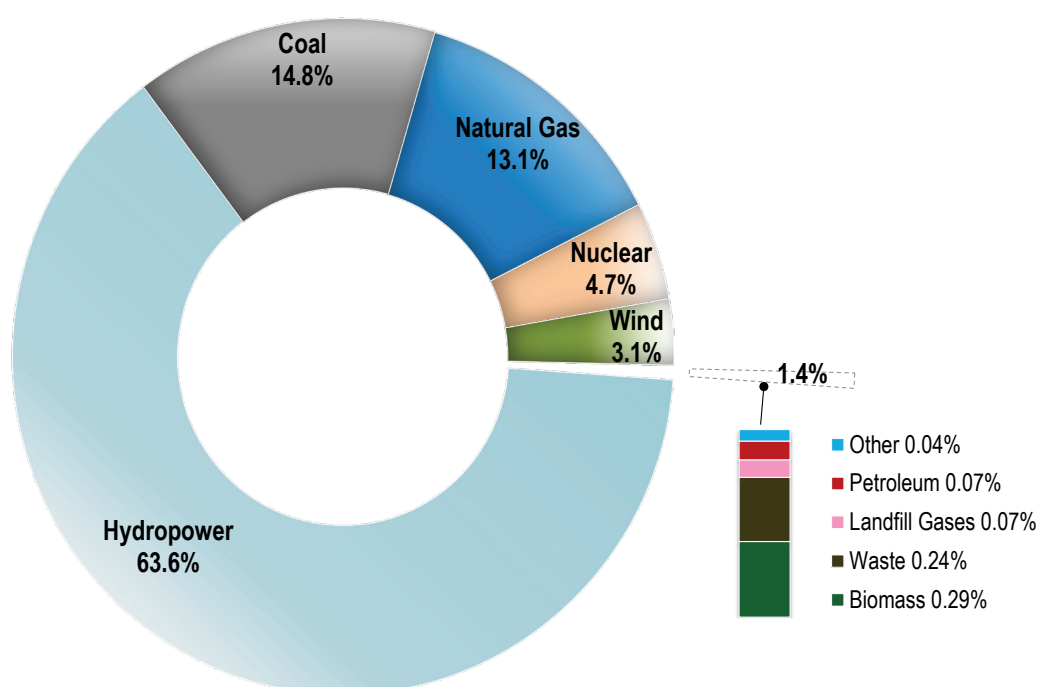
Fuel Mix Disclosure in Washington State is a process designed to give utilities a calculated estimate of their mix of fuel sources associated with the generation of the electricity used to serve customer demand. The data supporting the process includes tabulated datasets from utilities and public agencies, as well as manually entered data. We discovered that part of this data had been entered in duplicate. Once the error was discovered and corrected, the calculations were re-conducted and new fuel mix reports were generated.

If you have any questions about the information contained in this report, contact our office at 360-725-3120.

## Washington State Electric Utilities 2013 Graphs and Tables

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

**Figure 1: Washington State Electric Utilities Aggregate 2013 Fuel Mix**



*Notes: Natural Gas and Cogeneration are combined in the Natural Gas category. Other refers to Blast Furnace Gas, Other Biomass Gas, Purchased Steam, and Other.*

Specified Electric Power: specified electric power by fuel type (Claims on facilities: contracted & owned resources)

+

Unspecified Electric Power: unspecified electric power by fuel type (spot market purchases)

=

Aggregate Electric Power: "Fuel Mix"

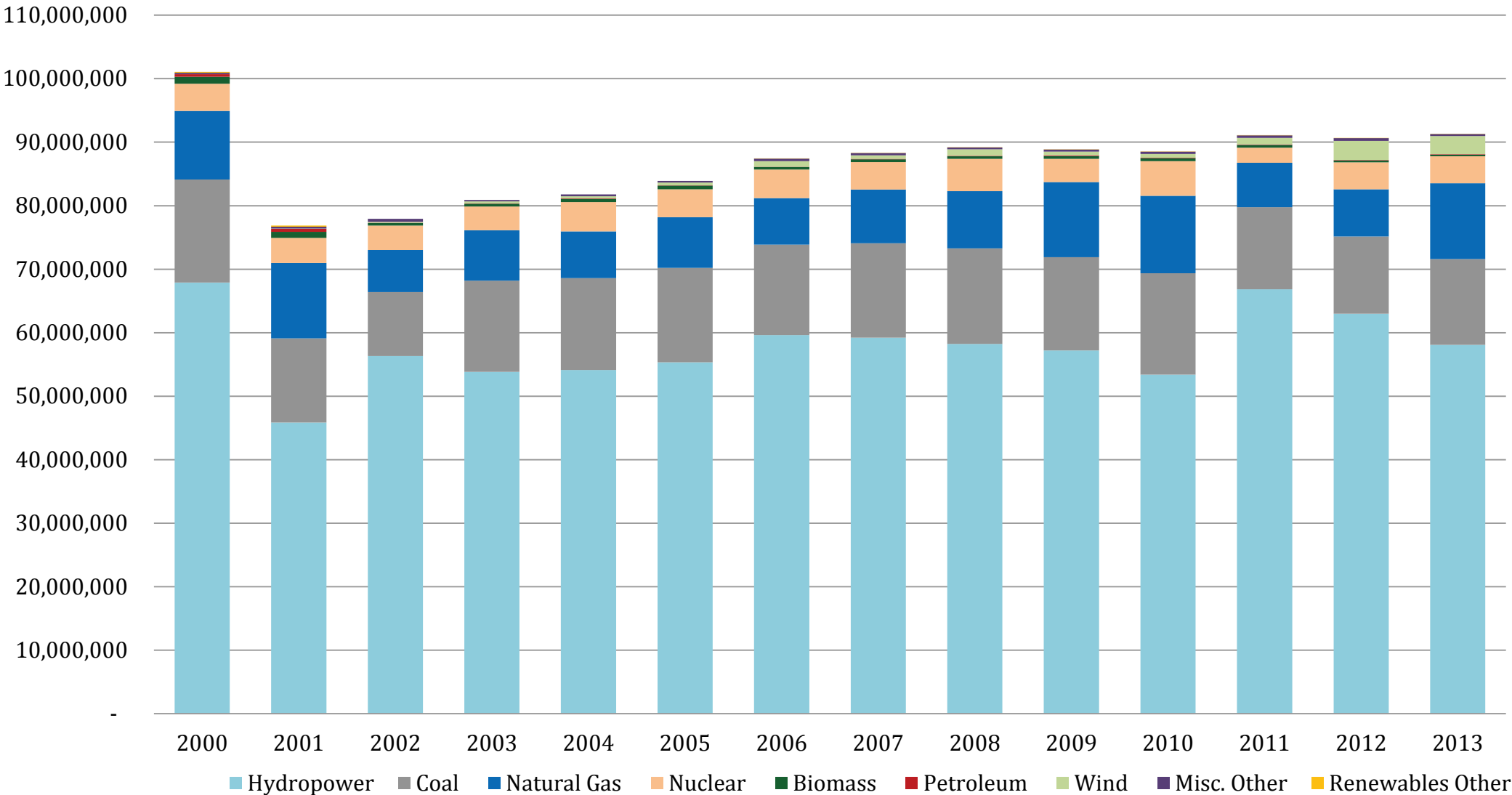
**Table 1: Washington State Electric Utilities Aggregate 2013 Fuel Mix Data**

<b>Fuel</b>	<b>Unspecified Electric Power (Megawatt-hrs.)</b>	<b>Specified Electric Power (Megawatt-hrs.)</b>	<b>Total (Megawatt-hrs.)</b>	<b>Percent</b>
Hydro	4,655,954	53,418,539	58,074,493	63.60%
Coal	5,567,254	7,952,597	13,519,852	14.81%
Natural Gas	2,049,572	8,773,703	10,823,275	11.85%
Nuclear	298,399	3,949,105	4,247,504	4.65%
Wind	0	2,859,415	2,859,415	3.13%
Cogeneration	0	1,126,515	1,126,515	1.23%
Biomass	68,836	192,136	260,972	0.29%
Waste	89,068	132,846	221,914	0.24%
Petroleum	48,731	15,880	64,611	0.07%
Landfill Gases	0	60,741	60,741	0.07%
Other	19,033	20,495	39,528	0.04%
Geothermal	0	16,138	16,138	0.02%
Solar	0	1,709	1,709	0.00%
<b>Total</b>	<b>12,796,848</b>	<b>78,519,821</b>	<b>91,316,669</b>	<b>100%</b>

*Other: Blast Furnace Gas, Other Biomass Gas, Purchased Steam, Other. Solar percentage is too small to view percentage.*



Figure 2: Washington State Electric Utilities Aggregate Fuel Mix 2000-2013 (Megawatt-hours)



Notes: Natural Gas includes Cogeneration  
Misc. Other: Landfill Gases, Other (blast furnace gas, other biomass gas such as digester gas and methane, and purchased steam), and Waste  
Renewables Other includes: Geothermal, Solar

**Table 2: Washington State Aggregate Fuel Mix 2000-2013 Data (Megawatt-hours)**

Fuel Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Hydropower	67,889,834	45,853,455	56,339,641	53,850,478	54,132,176	55,342,273	59,609,529	59,203,647	58,235,550	57,214,771	53,412,121	66,847,397	62,984,536	58,074,493.13
Coal	16,243,438	13,247,976	10,076,412	14,336,264	14,459,001	14,860,017	14,245,188	14,866,637	15,034,912	14,672,973	15,955,168	12,900,636	12,149,258	13,519,851.68
Cogeneration	5,428,455	5,954,725	3,971,751	3,590,493	2,717,321	2,660,660	2,766,515	2,157,302	1,635,296	1,867,355	1,731,728	1,319,055	486,609	1,126,515.13
Natural Gas	5,343,539	5,908,568	2,634,328	4,370,728	4,662,035	5,325,475	4,553,447	6,302,442	7,385,757	9,979,345	10,476,257	5,684,223	6,952,877	10,823,275.32
Nuclear	4,285,939	3,975,371	3,858,716	3,726,175	4,591,072	4,403,537	4,513,216	4,326,265	5,083,665	3,653,541	5,430,617	2,390,245	4,239,398	4,247,504.10
Biomass	1,100,469	937,515	392,378	434,700	536,643	587,085	392,712	460,983	415,226	445,076	492,371	446,890	310,812	260,972.20
Petroleum	401,383	489,650	22,244	34,957	53,046	44,233	62,232	69,267	69,937	94,360	81,372	68,539	67,580	64,611.32
Waste	159,888	236,666	23,471	139,056	102,864	150,955	331,963	288,528	276,669	296,180	332,719	336,948	303,066	221,914.35
Geothermal	143,024	158,779	0	0	0	0	14,399	11,189	16,866	19,237	17,376	18,107	17,003	16,138.14
Landfill Gases	68,978	70,807	220,705	75,125	134,122	80,500	57,858	49,041	23,043	16,058	18,787	49,209	83,665	60,741.20
Wind	0	23,822	163,134	320,540	346,470	432,667	867,392	545,622	1,010,928	587,994	567,281	1,017,702	3,011,137	2,859,414.91
Other	0	0	233,995	6,991	37,379	31,156	10,863	12,923	19,391	28,650	28,504	27,307	36,396	39,528.33
Solar	0	0	0	0	0	0	0	0	0	0	0	0	1,433	1,709.03
<b>Total</b>	101,064,948	76,857,334	77,936,775	80,885,507	81,772,129	83,918,558	87,425,313	88,293,846	89,207,239	88,875,541	88,544,303	91,106,257	90,643,771	91,316,669

## Washington State Electric Utilities: Fossil Fuel Emissions

Figure 3: Washington State Electric Utilities Aggregate 2013 CO<sub>2</sub> Emissions

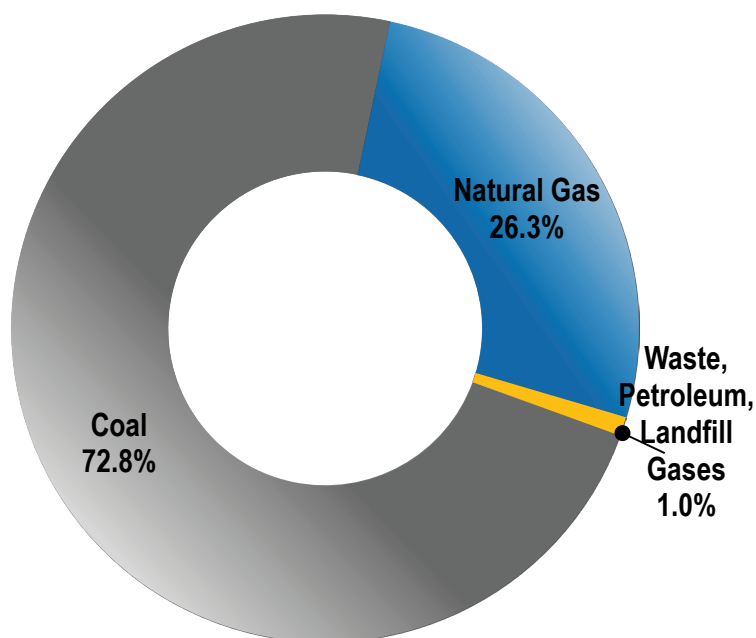
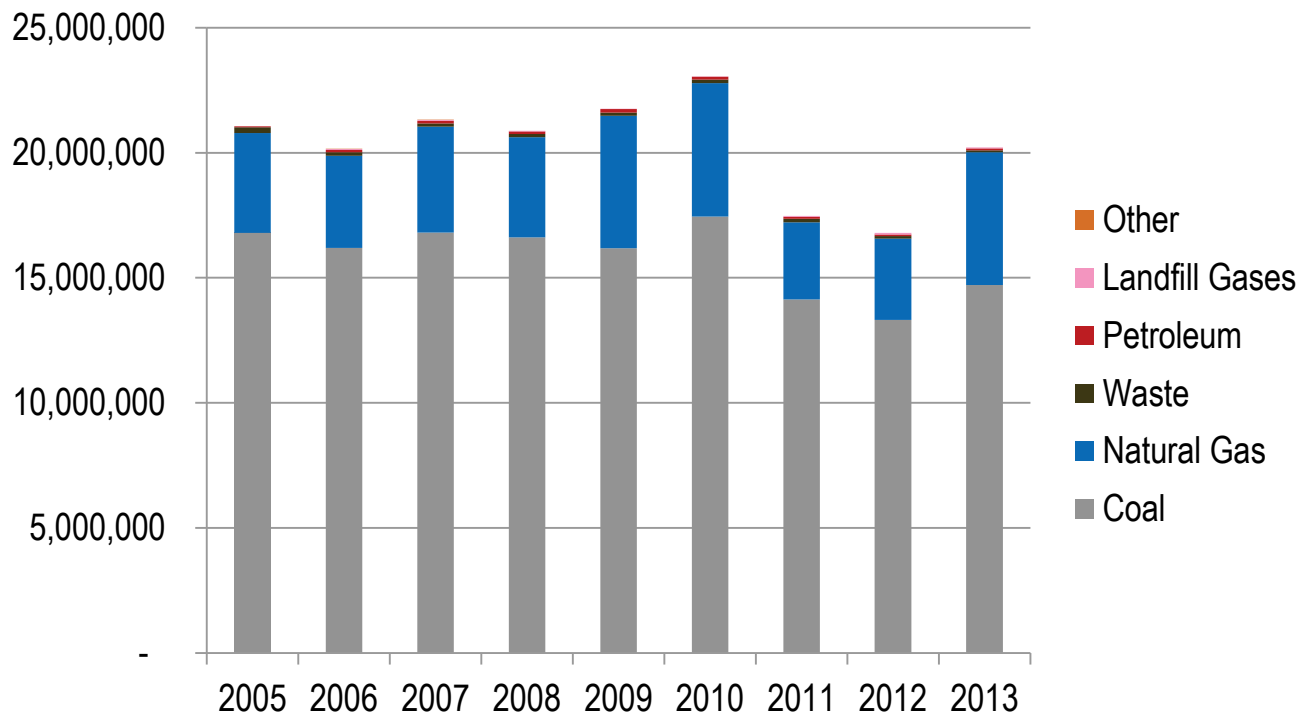


Table 3: Washington State Electric Utilities Aggregate 2013 Fossil Fuel CO<sub>2</sub> Emissions: Data

Carbon Dioxide Emissions by Fuel Type	Short Tons	Metric Tons
Coal	14,707,901	13,342,784
Natural Gas	5,306,865	4,814,307
Cogeneration	569,589	516,723
Waste	80,093	72,659
Petroleum	74,618	67,693
Landfill Gases	43,376	39,350
<b>Total</b>	<b>20,212,854</b>	<b>18,336,793</b>

Other Emissions	Short Tons	Metric Tons
SO <sub>2</sub> (tons)	12,127	11,002
Nox (tons)	1,602	1,453
Hg (lbs)	516	469

**Figure 4: Washington State Electric Utilities Aggregate CO<sub>2</sub> Emissions 2000-2013 (short tons)**



**Table 4: Washington State Electric Utilities Aggregate CO<sub>2</sub> Emissions 2005-2013**

CO2 (Short Tons)	2005	2006	2007	2008	2009	2010	2011	2012	2013
Coal	16,801,894	16,192,193	16,807,612	16,623,196	16,184,895	17,446,655	14,131,168	13,315,348	14,707,901
Natural Gas	3,983,081	3,690,128	4,231,567	3,999,440	5,294,879	5,332,433	3,081,956	3,246,821	5,306,865
Waste	235,470	132,414	133,872	122,435	128,390	139,575	146,863	101,208	80,093
Petroleum	40,411	93,863	105,428	111,529	133,445	120,419	76,738	75,656	74,618
Landfill Gases	-	33,923	28,215	14,342	10,016	10,694	33,894	57,696	43,376
Other	-	3,631	4,959	-	-	-	-	-	-
<b>Total</b>	<b>21,060,856</b>	<b>20,146,152</b>	<b>21,311,653</b>	<b>20,870,942</b>	<b>21,751,625</b>	<b>23,049,776</b>	<b>17,470,620</b>	<b>16,796,729</b>	<b>20,212,853</b>

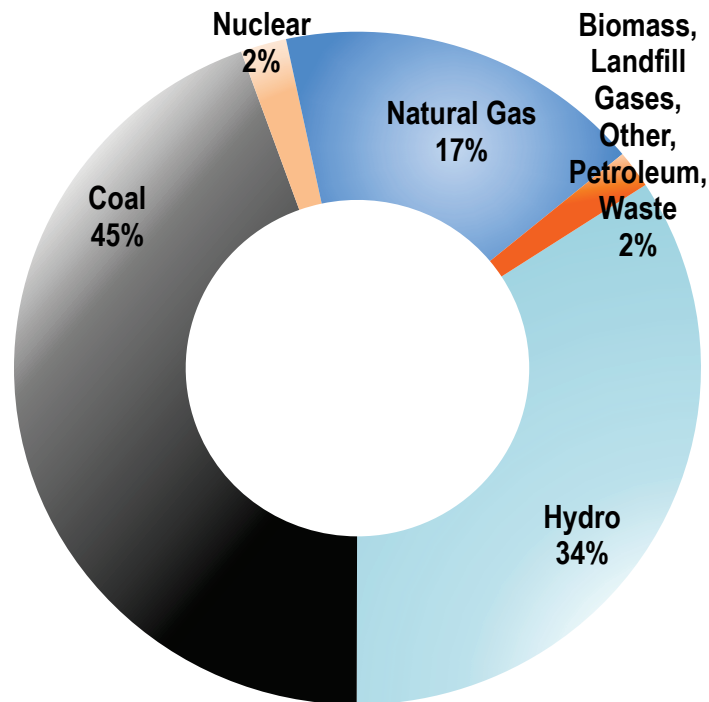
CO2 (Metric Tons)	2005	2006	2007	2008	2009	2010	2011	2012	2013
Coal	15,242,409	14,689,298	15,247,597	15,080,297	14,682,678	15,827,326	12,819,569	12,079,471	13,342,784
Natural Gas	3,613,387	3,347,625	3,838,810	3,628,228	4,803,430	4,837,498	2,795,902	2,945,464	4,814,307
Waste	213,615	120,124	121,447	111,071	116,473	126,620	133,232	91,814	72,659
Petroleum	36,660	85,151	95,643	101,177	121,059	109,242	69,616	68,634	67,693
Landfill Gases	0	30,774	25,596	13,011	9,086	9,701	30,748	52,341	39,350
Other	0	3,294	4,499	0	0	0	0	0	0
<b>Total</b>	<b>19,108,077</b>	<b>18,276,267</b>	<b>19,333,591</b>	<b>18,933,785</b>	<b>19,732,726</b>	<b>20,910,388</b>	<b>15,849,067</b>	<b>15,237,724</b>	<b>18,336,793</b>

Notes: Natural Gas category includes Cogeneration. The "Other" fuel category contains: blast furnace gas, other biomass gas such as digester gas and methane, and purchased steam.

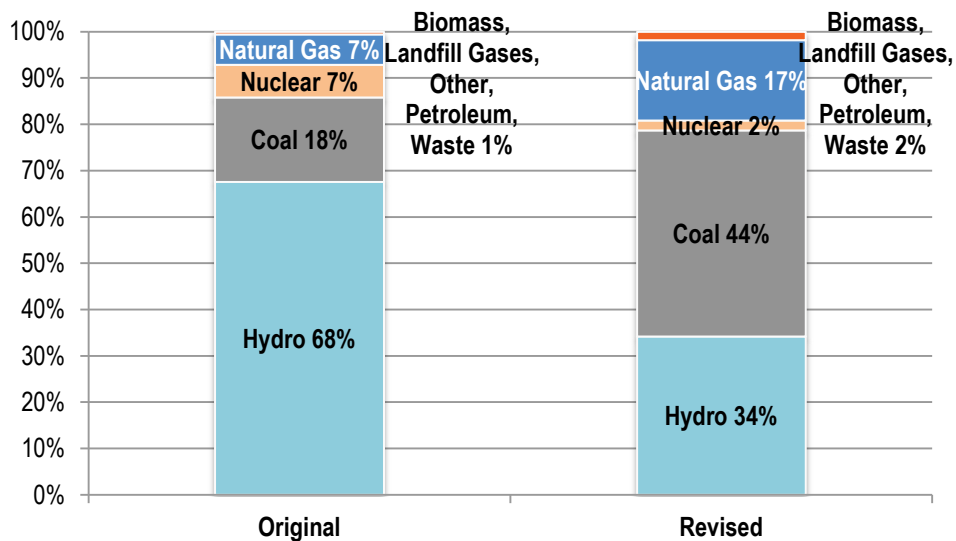
## Northwest Power Pool Net System Fuel Mix

In this report, the Northwest Power Pool (NWPP) Net System Fuel Mix is also referred to as Spot Market Fuel Mix. The NWPP Net System Fuel Mix is the calculated mix of fuels present in the electricity spot market, and available for purchase throughout the year.

**Figure 5: Northwest Power Pool Net System Fuel Mix 2013 (Fuel Mix of Spot Market Purchases)**



**Figure 6: Northwest Power Pool Net System Fuel Mix 2013: Original vs. Revised**



Specified Electric Power: specified electric power by fuel type (Claims on facilities: contracted & owned resources)

+

Unspecified Electric Power: unspecified electric power by fuel type (spot market purchases)

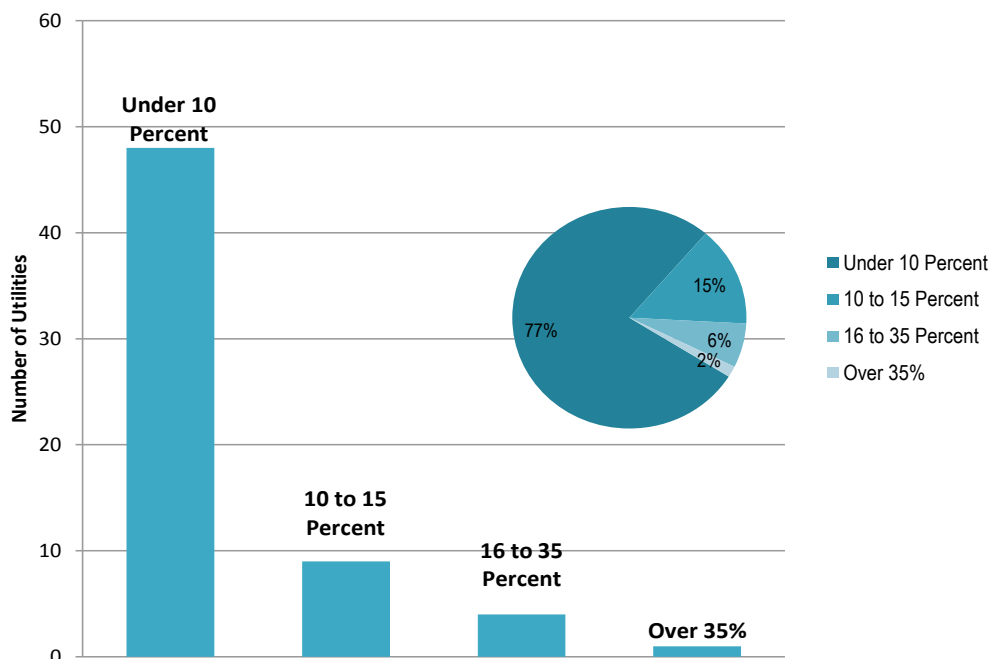
=

Aggregate Electric Power: "Fuel Mix"

**Table 5: Northwest Power Pool Net System Fuel Mix 2013: Fuel Mix of Market Purchases**

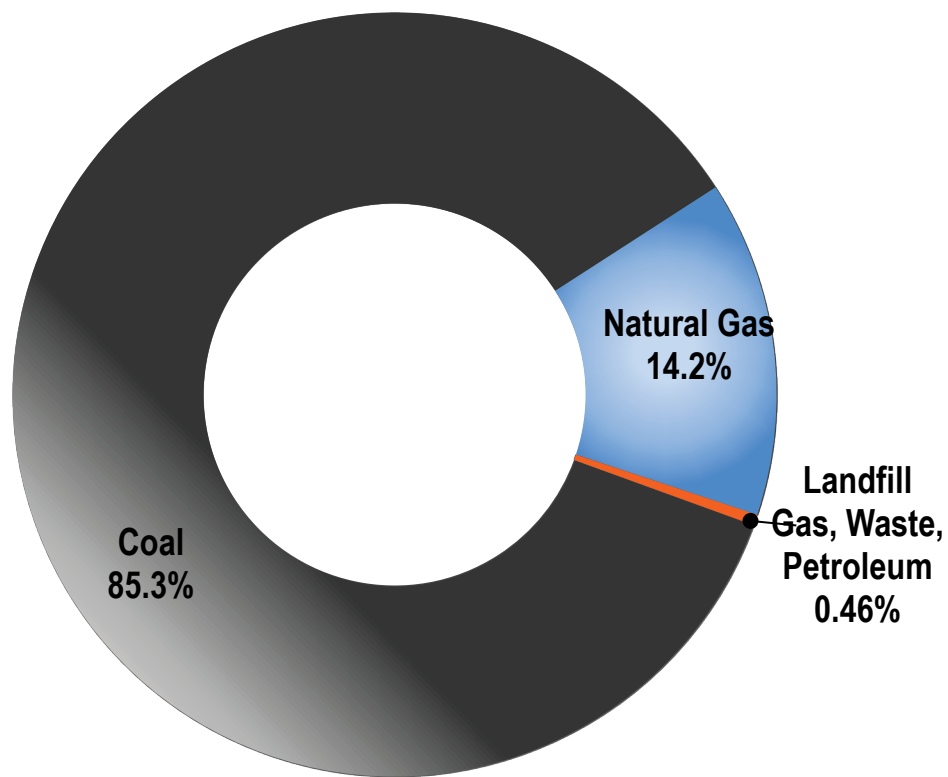
Fuel	Megawatt Hours	Percent
Coal	64,930,659	44.5%
Hydro	49,947,476	34.2%
Natural Gas	25,344,504	17.4%
Nuclear	3,155,145	2.2%
Waste	1,094,080	0.7%
Biomass	1,023,519	0.7%
Other	269,527	0.2%
Landfill Gases	175,448	0.1%
Petroleum	91,409	0.1%
Geothermal	0	0.0%
Solar	0	0.0%
Wind	0	0.0%
Total	146,031,767	100.0%

**Figure 7: Number of Utilities and the Percentage of Retail Load that is served by Spot Market Power**



*Note: Utilities are impacted by the revised data to the degree that they purchase market power. The power mix of 10 percent or less of the total utility mix was revised for 77 percent of utilities. For the rest, a greater portion of their mix was revised according to their amount of market purchase.*

**Figure 8: Northwest Power Pool (NWPP) Net System Fuel Mix: 2013 CO<sub>2</sub> Emissions**



**Table 6: NWPP Net System Fuel Mix Fossil Fuel Emissions: Data, CO<sub>2</sub> Emissions**

NWPP Net System 2013 CO <sub>2</sub> Emissions	Short Tons	Metric Tons
Coal	70,532,262	63,985,792
Natural Gas	11,753,384	10,662,491
Landfill Gas	144,572	131,153
Petroleum	82,331	74,689
Waste	150,562	136,588
Total	82,663,111	74,854,125

NWPP Net System 2013 Other Emissions	Short Tons	Metric Tons
SO <sub>2</sub>	69,339	62,904
No <sub>x</sub>	18,724	16,986

## Alder Mutual Light Co, Inc.

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%



### Alder Mutual Light Co, Inc. Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	1.713	1.516	3.229	0.07%
Coal	107.937	0	107.937	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	83.606	3,983.30	4,066.91	86.61%
Landfill Gases	0.294	0	0.294	0.01%
Natural Gas	42.424	2.161	44.585	0.95%
Nuclear	5.281	463.99	469.271	9.99%
Other	0.451	0	0.451	0.01%
Petroleum	0.902	0.202	1.104	0.02%
Solar	0	0	0	0.00%
Waste	1.831	0.216	2.048	0.04%
Wind	0	0	0	0.00%
Total	244.441	4,451.39	4,695.83	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## **Alder Mutual Light Co, Inc.**

### **Claims on BPA\***

<b>BPA Resource Mix</b>	<b>4,451.386</b>
Biomass	1.516
Natural Gas	2.161
Nuclear	463.990
Petroleum (heavy oil)	0.202
Waste	0.216
Water	3,983.301

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### **Market Purchases**

<b>Total Market Purchases</b>	<b>244.441</b>
BPA Market Purchase*	244.441

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## Avista Corporation (WA)

### 2013 Fuel

Biomass	2.01%
Coal	17.74%
Cogeneration	0.08%
Geothermal	0.00%
Hydro	35.61%
Landfill Gases	0.13%
Natural Gas	38.80%
Nuclear	0.24%
Other	0.02%
Petroleum	0.05%
Solar	0.00%
Waste	2.20%
<u>Wind</u>	<u>3.12%</u>
Total	100.00%

### Avista Corporation (WA) Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	4,747.12	118,677.03	123,424.15	2.01%
Coal	299,074.42	790,107.58	1,089,181.99	17.74%
Cogeneration	0	4,824.90	4,824.90	0.08%
Geothermal	0	0	0	0.00%
Hydro	231,658.33	1,955,128.00	2,186,786.33	35.61%
Landfill Gases	813.733	6,922.00	7,735.73	0.13%
Natural Gas	117,548.79	2,265,041.99	2,382,590.78	38.80%
Nuclear	14,633.69	0	14,633.69	0.24%
Other	1,250.08	0	1,250.08	0.02%
Petroleum	2,500.46	668.422	3,168.88	0.05%
Solar	0	0	0	0.00%
Waste	5,074.39	130,270.09	135,344.47	2.20%
Wind	0	191,404.00	191,404.00	3.12%
Total	677,301.00	5,463,044.00	6,140,345.00	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

### Avista Corporation (WA) Claims on Plants

Noxon Rapids	Claim Type: Water	449,877.000
Little Falls	Claim Type: Water	113,762.000
Long Lake	Claim Type: Water	325,280.000
Meyers Falls	Claim Type: Water	7,298.000
Nine Mile	Claim Type: Water	23,592.000
Rocky Reach	Claim Type: Water	179,099.000
Wells	Claim Type: Water	222,612.000
Priest Rapids	Claim Type: Water	223,583.000
Sheep Creek Hydro Inc.	Claim Type: Water	6,175.000
Upriver Dam Hydro Plant	Claim Type: Water	33,880.000
Potlatch Corp Idaho Pulp	Claim Type: Cogen	60,908.000
	Natural Gas	4,824.895
	Waste	42,059.085
	Wood	14,024.020
Wheelabrator Spokane Inc.	Claim Type: Waste	88,211.000
Kettle Falls	Claim Type:	83,754.000
	Natural Gas	1,648.992
	Wood	82,105.008
Plummer Sawmill	Claim Type: Cogen - Wood	22,548.000
Rathdrum Power LLC	Claim Type: Natural Gas	1,067,315.000
Palouse	Claim Type: Wind	191,404.000
Fighting Creek LFGTE Plant	Claim Type: Landfill Gas	6,922.000

### Avista Corporation (WA) Claims on Plants (continued)

Colstrip	Claim Type:	790,776.000
	Coal (bituminous)	790,107.578
	Petroleum (light oil)	331.523
	Petroleum (heavy oil)	336.899
Northeast	Claim Type: Natural Gas	143.000
Rathdrum	Claim Type: Natural Gas	21,709.000
Coyote Springs II	Claim Type: Natural Gas	1,157,523.000
Boulder Park	Claim Type: Natural Gas	16,703.000
Cabinet Gorge	Claim Type: Water	296,583.000
Post Falls	Claim Type: Water	24,156.000
Monroe Street	Claim Type: Water	29,775.000
Upper Falls	Claim Type: Water	19,456.000

### Market Purchases

<b>Total Market Purchases</b>	<b>677,301.000</b>
Utility Market Purchase	677,301.000

## Benton Rural Electric Association

### 2013 Fuel

Biomass	0.09%
Coal	3.43%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	85.19%
Landfill Gases	0.01%
Natural Gas	1.39%
Nuclear	9.78%
Other	0.01%
Petroleum	0.03%
Solar	0.00%
Waste	0.06%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### Benton Rural Electric Association Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	329.697	190.342	520.039	0.09%
Coal	20,771.34	0	20,771.34	3.43%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	16,089.15	500,224.56	516,313.71	85.19%
Landfill Gases	56.515	0	56.515	0.01%
Natural Gas	8,164.01	271.426	8,435.43	1.39%
Nuclear	1,016.34	58,268.07	59,284.41	9.78%
Other	86.82	0	86.82	0.01%
Petroleum	173.662	25.345	199.007	0.03%
Solar	0	0	0	0.00%
Waste	352.427	27.146	379.573	0.06%
Wind	0	0	0	0.00%
Total	47,039.96	559,006.89	606,046.85	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*



## Benton Rural Electric Association

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>559,006.886</b>
Biomass	190.342
Natural Gas	271.426
Nuclear	58,268.071
Petroleum (heavy oil)	25.345
Waste	27.146
Water	500,224.557

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>47,039.962</b>
BPA Market Purchase*	30,696.962
Utility Market Purchase	16,343.000

\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.

## Big Bend Electric Coop, Inc.

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### Big Bend Electric Coop, Inc. Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	194.38	171.965	366.345	0.07%
Coal	12,246.17	0	12,246.17	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	9,485.69	451,931.11	461,416.80	86.61%
Landfill Gases	33.32	0	33.32	0.01%
Natural Gas	4,813.26	245.222	5,058.48	0.95%
Nuclear	599.204	52,642.67	53,241.87	9.99%
Other	51.187	0	51.187	0.01%
Petroleum	102.386	22.898	125.284	0.02%
Solar	0	0	0	0.00%
Waste	207.78	24.525	232.306	0.04%
Wind	0	0	0	0.00%
Total	27,733.37	505,038.39	532,771.76	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## Big Bend Electric Coop, Inc.

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>505,038.386</b>
Biomass	171.965
Natural Gas	245.222
Nuclear	52,642.665
Petroleum (heavy oil)	22.898
Waste	24.525
Water	451,931.110

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>27,733.369</b>
BPA Market Purchase*	27,733.369

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## Bonneville Power Administration (WA End User Sales)

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### Bonneville Power Admin (WA End User Sales) Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	1,130.18	999.853	2,130.03	0.07%
Coal	71,202.46	0	71,202.46	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	55,152.31	2,627,647.27	2,682,799.57	86.61%
Landfill Gases	193.73	0	193.73	0.01%
Natural Gas	27,985.55	1,425.78	29,411.34	0.95%
Nuclear	3,483.93	306,078.41	309,562.34	9.99%
Other	297.613	0	297.613	0.01%
Petroleum	595.3	133.137	728.436	0.02%
Solar	0	0	0	0.00%
Waste	1,208.09	142.596	1,350.69	0.04%
Wind	0	0	0	0.00%
Total	161,249.16	2,936,427.05	3,097,676.20	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## Bonneville Power Admin (WA End User Sales)

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>2,936,427.047</b>
Biomass	999.853
Natural Gas	1,425.783
Nuclear	306,078.410
Petroleum (heavy oil)	133.137
Waste	142.596
Water	2,627,647.268

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>161,249.158</b>
BPA Market Purchase*	161,249.158

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## Chewelah Light Department

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%



### Chewelah Light Department Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	8.33	7.37	15.7	0.07%
Coal	524.809	0	524.809	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	406.509	19,367.50	19,774.01	86.61%
Landfill Gases	1.428	0	1.428	0.01%
Natural Gas	206.272	10.509	216.781	0.95%
Nuclear	25.679	2,256.00	2,281.68	9.99%
Other	2.194	0	2.194	0.01%
Petroleum	4.388	0.981	5.369	0.02%
Solar	0	0	0	0.00%
Waste	8.904	1.051	9.955	0.04%
Wind	0	0	0	0.00%
Total	1,188.51	21,643.41	22,831.92	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## Chewelah Light Department

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>21,643.411</b>
Biomass	7.370
Natural Gas	10.509
Nuclear	2,256.000
Petroleum (heavy oil)	0.981
Waste	1.051
Water	19,367.500

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>1,188.513</b>
BPA Market Purchase*	1,188.513

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## City of Blaine

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### City of Blaine Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	28.595	25.298	53.893	0.07%
Coal	1,801.53	0	1,801.53	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	1,395.44	66,483.51	67,878.95	86.61%
Landfill Gases	4.902	0	4.902	0.01%
Natural Gas	708.077	36.074	744.152	0.95%
Nuclear	88.149	7,744.25	7,832.40	9.99%
Other	7.53	0	7.53	0.01%
Petroleum	15.062	3.369	18.431	0.02%
Solar	0	0	0	0.00%
Waste	30.567	3.608	34.174	0.04%
Wind	0	0	0	0.00%
Total	4,079.85	74,296.11	78,375.96	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## City of Blaine

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>74,296.109</b>
Biomass	25.298
Natural Gas	36.074
Nuclear	7,744.253
Petroleum (heavy oil)	3.369
Waste	3.608
Water	66,483.507

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>4,079.851</b>
BPA Market Purchase*	4,079.851

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## City of Centralia

### 2013 Fuel

Biomass	0.07%
Coal	2.68%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	88.90%
Landfill Gases	0.01%
Natural Gas	1.08%
Nuclear	7.19%
Other	0.01%
Petroleum	0.03%
Solar	0.00%
Waste	0.05%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### City of Centralia Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	116.226	63.06	179.287	0.07%
Coal	7,322.41	0	7,322.41	2.68%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	5,671.82	237,589.02	243,260.84	88.90%
Landfill Gases	19.923	0	19.923	0.01%
Natural Gas	2,878.01	89.924	2,967.94	1.08%
Nuclear	358.285	19,304.29	19,662.57	7.19%
Other	30.606	0	30.606	0.01%
Petroleum	61.22	8.397	69.617	0.03%
Solar	0	0	0	0.00%
Waste	124.239	8.994	133.233	0.05%
Wind	0	0	0	0.00%
Total	16,582.74	257,063.68	273,646.42	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## City of Centralia

### Claims on Plants

Yelm	Claim Type: Water	71,864.000
------	-------------------	------------

### Claims on BPA\*

<b>BPA Resource Mix</b>		<b>185,199.681</b>
Biomass	63.060	
Natural Gas	89.924	
Nuclear	19,304.285	
Petroleum (heavy oil)	8.397	
Waste	8.994	
Water	165,725.022	

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>		<b>16,582.737</b>
BPA Market Purchase*	10,169.942	
Utility Market Purchase	6,412.795	

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*



## City of Cheney

### 2013 Fuel

Biomass	0.09%
Coal	3.74%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	84.80%
Landfill Gases	0.01%
Natural Gas	1.52%
Nuclear	9.72%
Other	0.02%
Petroleum	0.04%
Solar	0.00%
Waste	0.07%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### City of Cheney Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	87.857	46.09	133.947	0.09%
Coal	5,535.09	0	5,535.09	3.74%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	4,287.39	121,126.13	125,413.52	84.80%
Landfill Gases	15.06	0	15.06	0.01%
Natural Gas	2,175.52	65.724	2,241.25	1.52%
Nuclear	270.831	14,109.24	14,380.07	9.72%
Other	23.136	0	23.136	0.02%
Petroleum	46.277	6.137	52.414	0.04%
Solar	0	0	0	0.00%
Waste	93.914	6.573	100.487	0.07%
Wind	0	0	0	0.00%
Total	12,535.07	135,359.89	147,894.96	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## City of Cheney

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>135,359.893</b>
Biomass	46.090
Natural Gas	65.724
Nuclear	14,109.236
Petroleum (heavy oil)	6.137
Waste	6.573
Water	121,126.133

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>12,535.070</b>
BPA Market Purchase*	7,433.070
Utility Market Purchase	5,102.000

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## City of Ellensburg

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
Wind	0.00%
<hr/>	
Total	100.00%

### City of Ellensburg Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	75.796	67.056	142.852	0.07%
Coal	4,775.25	0	4,775.25	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	3,698.83	176,225.29	179,924.12	86.61%
Landfill Gases	12.993	0	12.993	0.01%
Natural Gas	1,876.87	95.621	1,972.50	0.95%
Nuclear	233.653	20,527.40	20,761.05	9.99%
Other	19.96	0	19.96	0.01%
Petroleum	39.924	8.929	48.853	0.02%
Solar	0	0	0	0.00%
Waste	81.022	9.563	90.585	0.04%
Wind	0	0	0	0.00%
Total	10,814.31	196,933.85	207,748.16	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## City of Ellensburg

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>196,933.854</b>
Biomass	67.056
Natural Gas	95.621
Nuclear	20,527.396
Petroleum (heavy oil)	8.929
Waste	9.563
Water	176,225.289

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>10,814.305</b>
BPA Market Purchase*	10,814.305

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## City of Milton

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
Wind	0.00%
<hr/>	
Total	100.00%

### City of Milton Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	22.085	19.538	41.623	0.07%
Coal	1,391.38	0	1,391.38	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	1,077.74	51,347.18	52,424.92	86.61%
Landfill	3.786	0	3.786	0.01%
Gases				
Natural Gas	546.869	27.861	574.731	0.95%
Nuclear	68.08	5,981.12	6,049.20	9.99%
Other	5.816	0	5.816	0.01%
Petroleum	11.633	2.602	14.234	0.02%
Solar	0	0	0	0.00%
Waste	23.607	2.786	26.394	0.04%
Wind	0	0	0	0.00%
Total	3,150.99	57,381.09	60,532.07	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*



## City of Milton

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>57,381.085</b>
Biomass	19.538
Natural Gas	27.861
Nuclear	5,981.116
Petroleum (heavy oil)	2.602
Waste	2.786
Water	51,347.181

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>3,150.990</b>
BPA Market Purchase*	3,150.990

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## City of Port Angeles

### 2013 Fuel

Biomass	0.07%
Coal	2.34%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.55%
Landfill Gases	0.01%
Natural Gas	0.97%
Nuclear	9.98%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
Wind	0.00%
<hr/>	
Total	100.00%

### City of Port Angeles Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	272.75	236.376	509.126	0.07%
Coal	17,183.59	0	17,183.59	2.34%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	13,310.14	621,204.20	634,514.34	86.55%
Landfill Gases	46.754	0	46.754	0.01%
Natural Gas	6,753.87	337.07	7,090.94	0.97%
Nuclear	840.792	72,360.24	73,201.03	9.98%
Other	71.824	0	71.824	0.01%
Petroleum	143.666	31.475	175.141	0.02%
Solar	0	0	0	0.00%
Waste	291.553	33.711	325.265	0.04%
Wind	0	0	0	0.00%
Total	38,914.95	694,203.07	733,118.02	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## City of Port Angeles

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>694,203.069</b>
Biomass	236.376
Natural Gas	337.070
Nuclear	72,360.242
Petroleum (heavy oil)	31.475
Waste	33.711
Water	621,204.195

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>38,914.947</b>
BPA Market Purchase*	38,121.043
Utility Market Purchase	793.904

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## City of Richland

### 2013 Fuel

Biomass	0.09%
Coal	3.48%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	85.13%
Landfill Gases	0.01%
Natural Gas	1.41%
Nuclear	9.77%
Other	0.01%
Petroleum	0.03%
Solar	0.00%
Waste	0.06%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### City of Richland Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	491.611	279.496	771.107	0.09%
Coal	30,972.08	0	30,972.08	3.48%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	23,990.48	734,525.16	758,515.65	85.13%
Landfill Gases	84.27	0	84.27	0.01%
Natural Gas	12,173.33	398.559	12,571.89	1.41%
Nuclear	1,515.46	85,560.30	87,075.76	9.77%
Other	129.458	0	129.458	0.01%
Petroleum	258.947	37.217	296.164	0.03%
Solar	0	0	0	0.00%
Waste	525.502	39.861	565.363	0.06%
Wind	0	0	0	0.00%
Total	70,141.14	820,840.60	890,981.73	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## City of Richland

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>820,840.595</b>
Biomass	279.496
Natural Gas	398.559
Nuclear	85,560.302
Petroleum (heavy oil)	37.217
Waste	39.861
Water	734,525.161

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>70,141.138</b>
BPA Market Purchase*	45,075.138
Utility Market Purchase	25,066.000

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## City of Sumas

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%



### City of Sumas Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	11.316	10.011	21.327	0.07%
Coal	712.927	0	712.927	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	552.222	26,309.77	26,861.99	86.61%
Landfill	1.94	0	1.94	0.01%
Gases				
Natural Gas	280.21	14.276	294.486	0.95%
Nuclear	34.883	3,064.66	3,099.55	9.99%
Other	2.98	0	2.98	0.01%
Petroleum	5.961	1.333	7.294	0.02%
Solar	0	0	0	0.00%
Waste	12.096	1.428	13.524	0.04%
Wind	0	0	0	0.00%
Total	1,614.54	29,401.48	31,016.01	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## City of Sumas

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>29,401.475</b>
Biomass	10.011
Natural Gas	14.276
Nuclear	3,064.662
Petroleum (heavy oil)	1.333
Waste	1.428
Water	26,309.765

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>1,614.535</b>
BPA Market Purchase*	1,614.535

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## Clearwater Power Company

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### Clearwater Power Company Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	5.179	4.581	9.76	0.07%
Coal	326.26	0	326.26	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	252.716	12,040.26	12,292.97	86.61%
Landfill	0.888	0	0.888	0.01%
Gases				
Natural Gas	128.234	6.533	134.767	0.95%
Nuclear	15.964	1,402.50	1,418.46	9.99%
Other	1.364	0	1.364	0.01%
Petroleum	2.728	0.61	3.338	0.02%
Solar	0	0	0	0.00%
Waste	5.536	0.653	6.189	0.04%
Wind	0	0	0	0.00%
Total	738.867	13,455.13	14,194.00	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## Clearwater Power Company

### Claims on BPA\*

<b>BPA Resource Mix</b>		<b>13,455.130</b>
Biomass	4.581	
Natural Gas	6.533	
Nuclear	1,402.495	
Petroleum (heavy oil)	0.610	
Waste	0.653	
Water	12,040.256	

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>		<b>738.867</b>
BPA Market Purchase*	738.867	

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## Columbia Rural Electric Association, Inc.

### 2013 Fuel

Biomass	0.11%
Coal	5.08%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	83.12%
Landfill Gases	0.01%
Natural Gas	2.04%
Nuclear	9.47%
Other	0.02%
Petroleum	0.05%
Solar	0.00%
Waste	0.09%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### Columbia Rural Electric Association, Inc. Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	276.749	103.424	380.173	0.11%
Coal	17,435.54	0	17,435.54	5.08%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	13,505.30	271,802.31	285,307.61	83.12%
Landfill Gases	47.439	0	47.439	0.01%
Natural Gas	6,852.90	147.482	7,000.38	2.04%
Nuclear	853.119	31,660.57	32,513.69	9.47%
Other	72.877	0	72.877	0.02%
Petroleum	145.773	13.772	159.544	0.05%
Solar	0	0	0	0.00%
Waste	295.828	14.75	310.578	0.09%
Wind	0	0	0	0.00%
Total	39,485.52	303,742.31	343,227.83	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## Columbia Rural Electric Association, Inc.

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>303,742.313</b>
Biomass	103.424
Natural Gas	147.482
Nuclear	31,660.573
Petroleum (heavy oil)	13.772
Waste	14.750
Water	271,802.312

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>39,485.520</b>
BPA Market Purchase*	16,679.520
Utility Market Purchase	22,806.000

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*



## Coulee Dam Light Department

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### Coulee Dam Light Department Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	6.355	5.622	11.977	0.07%
Coal	400.378	0	400.378	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	310.127	14,775.51	15,085.64	86.61%
Landfill	1.089	0	1.089	0.01%
Gases				
Natural Gas	157.365	8.017	165.383	0.95%
Nuclear	19.59	1,721.11	1,740.70	9.99%
Other	1.674	0	1.674	0.01%
Petroleum	3.347	0.749	4.096	0.02%
Solar	0	0	0	0.00%
Waste	6.793	0.802	7.595	0.04%
Wind	0	0	0	0.00%
Total	906.72	16,511.81	17,418.53	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## Coulee Dam Light Department

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>16,511.812</b>
Biomass	5.622
Natural Gas	8.017
Nuclear	1,721.108
Petroleum (heavy oil)	0.749
Waste	0.802
Water	14,775.514

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>906.720</b>
BPA Market Purchase*	906.720

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## Elmhurst Mutual Power & Light Co.

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### Elmhurst Mutual Power & Light Co. Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	102.065	90.296	192.362	0.07%
Coal	6,430.25	0	6,430.25	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	4,980.77	237,301.17	242,281.94	86.61%
Landfill Gases	17.496	0	17.496	0.01%
Natural Gas	2,527.36	128.762	2,656.12	0.95%
Nuclear	314.632	27,641.75	27,956.38	9.99%
Other	26.877	0	26.877	0.01%
Petroleum	53.761	12.023	65.785	0.02%
Solar	0	0	0	0.00%
Waste	109.102	12.878	121.98	0.04%
Wind	0	0	0	0.00%
Total	14,562.31	265,186.87	279,749.18	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## Elmhurst Mutual Power & Light Co.

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>265,186.873</b>
Biomass	90.296
Natural Gas	128.762
Nuclear	27,641.748
Petroleum (heavy oil)	12.023
Waste	12.878
Water	237,301.167

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>14,562.310</b>
BPA Market Purchase*	14,562.310

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## Inland Power & Light Company

### 2013 Fuel

Biomass	0.08%
Coal	2.91%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	82.79%
Landfill Gases	0.01%
Natural Gas	1.19%
Nuclear	9.51%
Other	0.01%
Petroleum	0.03%
Solar	0.00%
Waste	0.05%
<u>Wind</u>	<u>3.42%</u>
Total	100.00%

### Inland Power & Light Company Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	430.72	285.364	716.083	0.08%
Coal	27,135.87	0	27,135.87	2.91%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	21,019.02	750,755.79	771,774.81	82.79%
Landfill Gases	73.832	0	73.832	0.01%
Natural Gas	10,665.54	406.927	11,072.46	1.19%
Nuclear	1,327.76	87,356.56	88,684.31	9.51%
Other	113.423	0	113.423	0.01%
Petroleum	226.874	37.998	264.872	0.03%
Solar	0	0	0	0.00%
Waste	460.413	40.698	501.111	0.05%
Wind	0	31,921.00	31,921.00	3.42%
Total	61,453.45	870,804.33	932,257.77	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*



## Inland Power & Light Company

### Claims on Plants

Stateline--WA (FPL Energy	Claim Type: Wind	2,103.000
Foote Creek I	Claim Type: Wind	499.000
Foote Creek II	Claim Type: Wind	65.000
Condon Windpower LLC	Claim Type: Wind	1,017.000
Klondike	Claim Type: Wind	635.000
Klondike Windpower II	Claim Type: Wind	1,602.000
Ryegrass Windfarm	Claim Type: Wind	3,828.000
Hammett Hill Windfarm	Claim Type: Wind	4,493.000
Mainline Windfarm	Claim Type: Wind	4,437.000
Desert Meadow Windfarm	Claim Type: Wind	4,462.000
Cold Springs Windfarm	Claim Type: Wind	4,199.000
Two Ponds Windfarm	Claim Type: Wind	4,581.000
Grand Coulee	Claim Type: Water	810.000

## Inland Power & Light Company

### Claims on BPA\*

<b>BPA Resource Mix</b>		<b>838,073.327</b>
Biomass	285.364	
Natural Gas	406.927	
Nuclear	87,356.555	
Petroleum (heavy oil)	37.998	
Waste	40.698	
Water	749,945.786	

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>		<b>61,453.446</b>
BPA Market Purchase*	46,021.446	
Utility Market Purchase	15,432.000	

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## Lakeview Light & Power

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### Lakeview Light & Power Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	100.057	88.519	188.577	0.07%
Coal	6,303.72	0	6,303.72	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	4,882.77	232,631.90	237,514.67	86.61%
Landfill Gases	17.151	0	17.151	0.01%
Natural Gas	2,477.63	126.228	2,603.86	0.95%
Nuclear	308.441	27,097.85	27,406.30	9.99%
Other	26.348	0	26.348	0.01%
Petroleum	52.703	11.787	64.49	0.02%
Solar	0	0	0	0.00%
Waste	106.955	12.624	119.579	0.04%
Wind	0	0	0	0.00%
Total	14,275.77	259,968.92	274,244.69	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## Lakeview Light & Power

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>259,968.917</b>
Biomass	88.519
Natural Gas	126.228
Nuclear	27,097.854
Petroleum (heavy oil)	11.787
Waste	12.624
Water	232,631.904

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>14,275.774</b>
BPA Market Purchase*	14,275.774

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## McCleary Light & Power

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
Wind	0.00%
<hr/>	
Total	100.00%

### McCleary Light & Power Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	11.462	10.14	21.602	0.07%
Coal	722.104	0	722.104	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	559.33	26,648.44	27,207.77	86.61%
Landfill Gases	1.965	0	1.965	0.01%
Natural Gas	283.817	14.46	298.277	0.95%
Nuclear	35.332	3,104.11	3,139.45	9.99%
Other	3.018	0	3.018	0.01%
Petroleum	6.037	1.35	7.387	0.02%
Solar	0	0	0	0.00%
Waste	12.252	1.446	13.698	0.04%
Wind	0	0	0	0.00%
Total	1,635.32	29,779.95	31,415.27	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## McCleary Light & Power

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>29,779.948</b>
Biomass	10.140
Natural Gas	14.460
Nuclear	3,104.112
Petroleum (heavy oil)	1.350
Waste	1.446
Water	26,648.440

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>1,635.318</b>
BPA Market Purchase*	1,635.318

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*



## Modern Electric Water Company

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### Modern Electric Water Company Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	82.406	72.904	155.31	0.07%
Coal	5,191.68	0	5,191.68	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	4,021.39	191,593.03	195,614.42	86.61%
Landfill Gases	14.126	0	14.126	0.01%
Natural Gas	2,040.55	103.96	2,144.51	0.95%
Nuclear	254.028	22,317.49	22,571.52	9.99%
Other	21.7	0	21.7	0.01%
Petroleum	43.406	9.708	53.113	0.02%
Solar	0	0	0	0.00%
Waste	88.087	10.397	98.484	0.04%
Wind	0	0	0	0.00%
Total	11,757.37	214,107.48	225,864.85	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## Modern Electric Water Company

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>214,107.482</b>
Biomass	72.904
Natural Gas	103.960
Nuclear	22,317.489
Petroleum (heavy oil)	9.708
Waste	10.397
Water	191,593.025

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>11,757.367</b>
BPA Market Purchase*	11,757.367

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## Nespelem Valley Electric Coop, Inc.

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### Nespelem Valley Electric Coop, Inc. Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	21.312	18.854	40.166	0.07%
Coal	1,342.67	0	1,342.67	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	1,040.01	49,549.55	50,589.56	86.61%
Landfill	3.653	0	3.653	0.01%
Gases				
Natural Gas	527.724	26.886	554.61	0.95%
Nuclear	65.696	5,771.72	5,837.42	9.99%
Other	5.612	0	5.612	0.01%
Petroleum	11.226	2.511	13.736	0.02%
Solar	0	0	0	0.00%
Waste	22.781	2.689	25.47	0.04%
Wind	0	0	0	0.00%
Total	3,040.68	55,372.21	58,412.89	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## Nespelem Valley Electric Coop, Inc.

### Claims on BPA\*

<b>BPA Resource Mix</b>		<b>55,372.213</b>
Biomass	18.854	
Natural Gas	26.886	
Nuclear	5,771.721	
Petroleum (heavy oil)	2.511	
Waste	2.689	
Water	49,549.552	

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>		<b>3,040.676</b>
BPA Market Purchase*	3,040.676	

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## Northern Lights, Inc.

### 2013 Fuel

Biomass	0.06%
Coal	2.10%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	87.79%
Landfill Gases	0.01%
Natural Gas	0.87%
Nuclear	9.11%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### Northern Lights, Inc. Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	0.083	0.073	0.156	0.06%
Coal	5.227	0	5.227	2.10%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	4.049	214.852	218.901	87.79%
Landfill	0.014	0	0.014	0.01%
Gases				
Natural Gas	2.055	0.105	2.159	0.87%
Nuclear	0.256	22.471	22.726	9.11%
Other	0.022	0	0.022	0.01%
Petroleum	0.044	0.01	0.053	0.02%
Solar	0	0	0	0.00%
Waste	0.089	0.01	0.099	0.04%
Wind	0	0	0	0.00%
Total	11.838	237.521	249.359	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*



## Northern Lights, Inc.

### Claims on Plants

Lake Creek	Claim Type: Water	21.944
------------	-------------------	--------

### Claims on BPA\*

BPA Slice		215.577
	Biomass	0.073
	Natural Gas	0.105
	Nuclear	22.471
	Petroleum (heavy oil)	0.010
	Waste	0.010
	Water	192.908

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

Total Market Purchases		11.838
	BPA Slice Wind w/o RECs**	11.838

*\*\*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.*

## Ohop Mutual Light Company

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### Ohop Mutual Light Company Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	31.671	28.019	59.69	0.07%
Coal	1,995.32	0	1,995.32	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	1,545.55	73,635.12	75,180.66	86.61%
Landfill	5.429	0	5.429	0.01%
Gases				
Natural Gas	784.245	39.955	824.2	0.95%
Nuclear	97.631	8,577.30	8,674.93	9.99%
Other	8.34	0	8.34	0.01%
Petroleum	16.682	3.731	20.413	0.02%
Solar	0	0	0	0.00%
Waste	33.855	3.996	37.851	0.04%
Wind	0	0	0	0.00%
Total	4,518.72	82,288.12	86,806.84	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## Ohop Mutual Light Company

### Claims on BPA\*

<b>BPA Resource Mix</b>		<b>82,288.121</b>
Biomass	28.019	
Natural Gas	39.955	
Nuclear	8,577.301	
Petroleum (heavy oil)	3.731	
Waste	3.996	
Water	73,635.120	

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>		<b>4,518.720</b>
BPA Market Purchase*	4,518.720	

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## Okanogan County Electric Coop, Inc.

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### Okanogan County Electric Coop, Inc. Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	20.063	17.749	37.812	0.07%
Coal	1,263.96	0	1,263.96	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	979.047	46,645.18	47,624.23	86.61%
Landfill Gases	3.439	0	3.439	0.01%
Natural Gas	496.791	25.31	522.101	0.95%
Nuclear	61.846	5,433.41	5,495.26	9.99%
Other	5.283	0	5.283	0.01%
Petroleum	10.568	2.363	12.931	0.02%
Solar	0	0	0	0.00%
Waste	21.446	2.531	23.977	0.04%
Wind	0	0	0	0.00%
Total	2,862.45	52,126.54	54,988.99	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## Okanogan County Electric Coop, Inc.

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>52,126.541</b>
Biomass	17.749
Natural Gas	25.310
Nuclear	5,433.409
Petroleum (heavy oil)	2.363
Waste	2.531
Water	46,645.178

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>2,862.445</b>
BPA Market Purchase*	2,862.445

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## Orcas Power & Light Cooperative

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
Wind	0.00%
<hr/>	
Total	100.00%



### Orcas Power & Light Cooperative Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	79.505	70.337	149.842	0.07%
Coal	5,008.92	0	5,008.92	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	3,879.83	184,848.43	188,728.26	86.61%
Landfill	13.628	0	13.628	0.01%
Gases				
Natural Gas	1,968.71	100.3	2,069.01	0.95%
Nuclear	245.086	21,531.85	21,776.94	9.99%
Other	20.936	0	20.936	0.01%
Petroleum	41.878	9.366	51.244	0.02%
Solar	0	0	0	0.00%
Waste	84.986	10.031	95.017	0.04%
Wind	0	0	0	0.00%
Total	11,343.48	206,570.32	217,913.80	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## Orcas Power & Light Cooperative

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>206,570.322</b>
Biomass	70.337
Natural Gas	100.300
Nuclear	21,531.853
Petroleum (heavy oil)	9.366
Waste	10.031
Water	184,848.434

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>11,343.476</b>
BPA Market Purchase*	11,343.476

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## Pacific Power and Light

### 2013 Fuel

Biomass	0.70%
Coal	44.16%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	34.20%
Landfill Gases	0.12%
Natural Gas	17.36%
Nuclear	2.16%
Other	0.18%
Petroleum	0.37%
Solar	0.00%
Waste	0.75%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### Pacific Power and Light Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	31,839.22	0	31,839.22	0.70%
Coal	2,005,909.86	0	2,005,909.86	44.16%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	1,553,746.18	0	1,553,746.18	34.20%
Landfill Gases	5,457.76	0	5,457.76	0.12%
Natural Gas	788,406.73	0	788,406.73	17.36%
Nuclear	98,149.00	0	98,149.00	2.16%
Other	8,384.33	0	8,384.33	0.18%
Petroleum	16,770.73	0	16,770.73	0.37%
Solar	0	0	0	0.00%
Waste	34,034.20	0	34,034.20	0.75%
Wind	0	0	0	0.00%
<b>Total</b>	<b>4,542,698.00</b>	<b>0</b>	<b>4,542,698.00</b>	<b>100.00%</b>

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

### Market Purchases

**Total Market Purchases**

**4,542,697.998**

Utility Market Purchase

4,542,697.998

## Parkland Light & Water Company

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### Parkland Light & Water Company Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	44.622	39.477	84.099	0.07%
Coal	2,811.27	0	2,811.27	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	2,177.57	103,746.81	105,924.37	86.61%
Landfill Gases	7.649	0	7.649	0.01%
Natural Gas	1,104.95	56.294	1,161.24	0.95%
Nuclear	137.555	12,084.83	12,222.38	9.99%
Other	11.751	0	11.751	0.01%
Petroleum	23.504	5.257	28.761	0.02%
Solar	0	0	0	0.00%
Waste	47.699	5.63	53.329	0.04%
Wind	0	0	0	0.00%
<b>Total</b>	<b>6,366.56</b>	<b>115,938.29</b>	<b>122,304.85</b>	<b>100.00%</b>

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## Parkland Light & Water Company

### Claims on BPA\*

<b>BPA Resource Mix</b>		<b>115,938.288</b>
Biomass	39.477	
Natural Gas	56.294	
Nuclear	12,084.825	
Petroleum (heavy oil)	5.257	
Waste	5.630	
Water	103,746.806	

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>		<b>6,366.564</b>
BPA Market Purchase*	6,366.564	

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## Peninsula Light Company

### 2013 Fuel

Biomass	0.08%
Coal	2.90%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	85.85%
Landfill Gases	0.01%
Natural Gas	1.19%
Nuclear	9.88%
Other	0.01%
Petroleum	0.03%
Solar	0.00%
Waste	0.05%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%



### Peninsula Light Company Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	260.803	180.007	440.81	0.08%
Coal	16,430.89	0	16,430.89	2.90%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	12,727.11	473,065.70	485,792.80	85.85%
Landfill Gases	44.706	0	44.706	0.01%
Natural Gas	6,458.03	256.689	6,714.72	1.19%
Nuclear	803.962	55,104.50	55,908.46	9.88%
Other	68.678	0	68.678	0.01%
Petroleum	137.373	23.969	161.342	0.03%
Solar	0	0	0	0.00%
Waste	278.782	25.672	304.454	0.05%
Wind	0	0	0	0.00%
Total	37,210.32	528,656.54	565,866.86	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## Peninsula Light Company

### Claims on BPA\*

<b>BPA Resource Mix</b>		<b>528,656.535</b>
Biomass	180.007	
Natural Gas	256.689	
Nuclear	55,104.503	
Petroleum (heavy oil)	23.969	
Waste	25.672	
Water	473,065.695	

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>		<b>37,210.321</b>
BPA Market Purchase*	29,030.321	
Utility Market Purchase	8,180.000	

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## PUD No 1 of Asotin County

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### PUD No 1 of Asotin County Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	0	0	0	0.07%
Coal	0.007	0	0.007	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	0.005	0.246	0.251	86.61%
Landfill Gases	0	0	0	0.01%
Natural Gas	0.003	0	0.003	0.95%
Nuclear	0	0.029	0.029	9.99%
Other	0	0	0	0.01%
Petroleum	0	0	0	0.02%
Solar	0	0	0	0.00%
Waste	0	0	0	0.04%
Wind	0	0	0	0.00%
Total	0.015	0.275	0.29	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## PUD No 1 of Asotin County

### Claims on BPA\*

<b>BPA Resource Mix</b>		<b>0.275</b>
Biomass	0	
Natural Gas	0	
Nuclear	0.029	
Petroleum (heavy oil)	0	
Waste	0	
Water	0.246	

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>		<b>0.015</b>
BPA Market Purchase*	0.015	

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## PUD No 1 of Benton County

### 2013 Fuel

Biomass	0.12%
Coal	5.86%
Cogeneration	0%
Geothermal	0.00%
Hydro	75.21%
Landfill Gases	0.02%
Natural Gas	7.80%
Nuclear	8.43%
Other	0.02%
Petroleum	0.05%
Solar	0%
Waste	0.10%
<u>Wind</u>	<u>2.40%</u>
Total	100.00%

### PUD No 1 of Benton County Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	1,650.54	472.403	2,122.94	0.12%
Coal	103,986.11	0	103,986.11	5.86%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	80,546.01	1,255,058.56	1,335,604.56	75.21%
Landfill Gases	282.929	0	282.929	0.02%
Natural Gas	40,870.91	97,577.36	138,448.27	7.80%
Nuclear	5,088.03	144,613.57	149,701.60	8.43%
Other	434.643	0	434.643	0.02%
Petroleum	869.393	62.903	932.296	0.05%
Solar	0	0	0	0.00%
Waste	1,764.33	67.373	1,831.70	0.10%
Wind	0	42,582.00	42,582.00	2.40%
Total	235,492.89	1,540,434.17	1,775,927.06	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## PUD No 1 of Benton County

### Claims on Plants

Packwood	Claim Type: Water	13,568.000
Frederickson Power LP	Claim Type: – Natural Gas	96,903.717
White Creek Wind Farm	Claim Type: Wind	22,850.000
Nine Canyon	Claim Type: Wind	19,732.000

### Market Purchases

<b>Total Market Purchases</b>	<b>235,492.889</b>
BPA Market Purchase*	44,814.502
BPA Slice Wind w/o RECs**	31,371.259
Utility Market Purchase	159,307.128

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

*\*\*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.*



## PUD No 1 of Benton County

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>816,094.277</b>
Biomass	277.880
Natural Gas	396.255
Nuclear	85,065.569
Petroleum (heavy oil)	37.001
Waste	39.631
Water	730,277.941
<b>BPA Slice</b>	<b>571,286.173</b>
Biomass	194.523
Natural Gas	277.388
Nuclear	59,548.002
Petroleum (heavy oil)	25.902
Waste	27.742
Water	511,212.616

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

## PUD No 1 of Chelan County

### 2013 Fuel

Biomass	0.16%
Coal	9.98%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	85.12%
Landfill Gases	0.03%
Natural Gas	3.92%
Nuclear	0.49%
Other	0.04%
Petroleum	0.08%
Solar	0.00%
Waste	0.17%
<u>Wind</u>	<u>0.01%</u>
Total	100.00%

### PUD No 1 of Chelan County Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	2,594.470	0	2,594.470	0.16%
Coal	163,454.768	0	163,454.768	9.98%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	126,609.489	1,268,166.00	1,394,775.489	85.12%
Landfill Gases	444.734	0	444.734	0.03%
Natural Gas	64,244.581	0	64,244.581	3.92%
Nuclear	7,997.828	0	7,997.828	0.49%
Other	683.211	0	683.211	0.04%
Petroleum	1,366.590	10	1,376.590	0.08%
Solar	0	0	0	0.00%
Waste	2,773.331	0	2,773.331	0.17%
Wind	0	218.0	218.0	0.01%
<b>Total</b>	<b>370,169.00</b>	<b>1,268,394.00</b>	<b>1,638,563.00</b>	<b>100.00%</b>

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## **PUD No 1 of Chelan County**

### **Claims on Plants**

Rocky Reach	Claim Type: Water	300,607.000
Rock Island	Claim Type: Water	523,432.000
Chelan	Claim Type: Water	443,113.000
Nine Canyon	Claim Type: Wind	218.000
Stehekin Hydro	Claim Type: Water	1,014.000
Stehekin Diesel	Claim Type: Petroleum (light oil)	10.000

### **Market Purchases**

<b>Total Market Purchases</b>	<b>370,169.000</b>
Utility Market Purchase	370,169.000

## PUD No 1 of Clallam County

### 2013 Fuel

Biomass	0.07%
Coal	2.25%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.32%
Landfill Gases	0.01%
Natural Gas	0.93%
Nuclear	9.79%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
<u>Wind</u>	<u>0.55%</u>
Total	100.00%

### PUD No 1 of Clallam County Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	243.9	215.776	459.676	0.07%
Coal	15,366.03	0	15,366.03	2.25%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	11,902.28	576,874.05	588,776.33	86.32%
Landfill Gases	41.808	0	41.808	0.01%
Natural Gas	6,039.49	307.695	6,347.19	0.93%
Nuclear	751.858	66,054.02	66,805.88	9.79%
Other	64.227	0	64.227	0.01%
Petroleum	128.47	28.732	157.202	0.02%
Solar	0	0	0	0.00%
Waste	260.715	30.773	291.488	0.04%
Wind	0	3,742.00	3,742.00	0.55%
Total	34,798.78	647,253.05	682,051.83	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## PUD No 1 of Clallam County

### Claims on Plants

Packwood	Claim Type: Water	9,808.000
Stateline--WA (FPL Energy	Claim Type: Wind	1,546.000
Condon Windpower LLC	Claim Type: Wind	797.000
Klondike	Claim Type: Wind	390.000
Klondike Windpower III	Claim Type: Wind	1,009.000

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>633,703.047</b>
Biomass	215.776
Natural Gas	307.695
Nuclear	66,054.023
Petroleum (heavy oil)	28.732
Waste	30.773
Water	567,066.048

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>34,798.781</b>
BPA Market Purchase*	34,798.781

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

*\*\*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.*

## PUD No 1 of Clark County

### 2013 Fuel

Biomass	0.04%
Coal	1.50%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	56.89%
Landfill Gases	0.00%
Natural Gas	34.99%
Nuclear	6.52%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%



### PUD No 1 of Clark County Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	1,105.40	977.936	2,083.34	0.04%
Coal	69,641.70	0	69,641.70	1.50%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	53,943.37	2,587,215.31	2,641,158.68	56.89%
Landfill Gases	189.484	0	189.484	0.00%
Natural Gas	27,372.11	1,597,009.53	1,624,381.64	34.99%
Nuclear	3,407.56	299,369.18	302,776.74	6.52%
Other	291.089	0	291.089	0.01%
Petroleum	582.251	130.218	712.469	0.02%
Solar	0	0	0	0.00%
Waste	1,181.61	139.471	1,321.08	0.03%
Wind	0	0	0	0.00%
Total	157,714.58	4,484,841.64	4,642,556.22	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## PUD No 1 of Clark County

### Claims on Plants

Packwood	Claim Type: Water	17,166.000
River Road Gen Plant	Claim Type: – Natural Gas	1,595,615.000

### Claims on BPA\*

<b>BPA Slice</b>		<b>2,872,060.641</b>
Biomass	977.936	
Natural Gas	1,394.530	
Nuclear	299,369.179	
Petroleum (heavy oil)	130.218	
Waste	139.471	
Water	2,570,049.308	

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>157,714.580</b>
BPA Slice Wind w/o RECs**	157,714.580

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

*\*\*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.*

## PUD No 1 of Cowlitz County

### 2013 Fuel

Biomass	0.11%
Coal	5.08%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	80.80%
Landfill Gases	0.01%
Natural Gas	2.04%
Nuclear	9.14%
Other	0.02%
Petroleum	0.05%
Solar	0.00%
Waste	0.09%
<u>Wind</u>	<u>2.66%</u>
Total	100.00%

### PUD No 1 of Cowlitz County Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	4,250.72	1,529.59	5,780.31	0.11%
Coal	267,800.52	0	267,800.52	5.08%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	207,434.06	4,048,566.58	4,256,000.64	80.80%
Landfill Gases	728.642	0	728.642	0.01%
Natural Gas	105,256.84	2,181.18	107,438.02	2.04%
Nuclear	13,103.46	468,243.27	481,346.73	9.14%
Other	1,119.36	0	1,119.36	0.02%
Petroleum	2,238.99	203.675	2,442.66	0.05%
Solar	0	0	0	0.00%
Waste	4,543.76	218.146	4,761.91	0.09%
Wind	0	139,949.00	139,949.00	2.66%
Total	606,476.34	4,660,891.44	5,267,367.78	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## PUD No 1 of Cowlitz County

### Claims on Plants

Stateline--WA (FPL Energy	Claim Type: Wind	2,432.000
Condon Windpower LLC	Claim Type: Wind	1,092.000
Klondike	Claim Type: Wind	677.000
Klondike Windpower III	Claim Type: Wind	1,780.000
White Creek Wind Farm	Claim Type: Wind	71,571.000
Harvest Wind Project	Claim Type: Wind	58,439.000
Swift 2	Claim Type: Water	28,753.000
Nine Canyon	Claim Type: Wind	3,958.000

### Market Purchases

<b>Total Market Purchases</b>	<b>606,476.342</b>
-------------------------------	--------------------

BPA Market Purchase*	123,000.805
BPA Slice Wind w/o RECs**	123,680.537
Utility Market Purchase	359,795.000

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

*\*\*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.*

## PUD No 1 of Cowlitz County

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>2,239,905.588</b>
Biomass	762.687
Natural Gas	1,087.587
Nuclear	233,476.511
Petroleum (heavy oil)	101.557
Waste	108.772
Water	2,004,368.475
<b>BPA Slice</b>	<b>2,252,283.853</b>
Biomass	766.902
Natural Gas	1,093.597
Nuclear	234,766.759
Petroleum (heavy oil)	102.118
Waste	109.374
Water	2,015,445.103

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

## PUD No 1 of Douglas County

### 2013 Fuel

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%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### PUD No 1 of Douglas County Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	0	0	0	0.00%
Coal	0	0	0	0.00%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	0	762,678.00	762,678.00	100.00%
Landfill	0	0	0	0.00%
Gases	0	0	0	0.00%
Natural Gas	0	0	0	0.00%
Nuclear	0	0	0	0.00%
Other	0	0	0	0.00%
Petroleum	0	0	0	0.00%
Solar	0	0	0	0.00%
Waste	0	0	0	0.00%
Wind	0	0	0	0.00%
Total	0	762,678.00	762,678.00	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

### Claims on Plants

Rocky Reach	Claim Type: Water	192,025.000
Wells	Claim Type: Water	570,653.000



## PUD No 1 of Ferry County

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### PUD No 1 of Ferry County Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	39.784	35.197	74.981	0.07%
Coal	2,506.47	0	2,506.47	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	1,941.47	92,498.47	94,439.94	86.61%
Landfill Gases	6.82	0	6.82	0.01%
Natural Gas	985.148	50.19	1,035.34	0.95%
Nuclear	122.641	10,774.58	10,897.22	9.99%
Other	10.477	0	10.477	0.01%
Petroleum	20.956	4.687	25.642	0.02%
Solar	0	0	0	0.00%
Waste	42.527	5.02	47.547	0.04%
Wind	0	0	0	0.00%
Total	5,676.30	103,368.14	109,044.43	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## PUD No 1 of Ferry County

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>103,368.136</b>
Biomass	35.197
Natural Gas	50.190
Nuclear	10,774.575
Petroleum (heavy oil)	4.687
Waste	5.020
Water	92,498.467

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>5,676.295</b>
BPA Market Purchase*	5,676.295

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

*\*\*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.*

## PUD No 1 of Franklin County

### 2013 Fuel

Biomass	0.08%
Coal	2.95%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	84.65%
Landfill Gases	0.01%
Natural Gas	2.15%
Nuclear	9.64%
Other	0.01%
Petroleum	0.03%
Solar	0.00%
Waste	0.05%
<u>Wind</u>	<u>0.43%</u>
Total	100.00%

### PUD No 1 of Franklin County Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	498.415	330.371	828.787	0.08%
Coal	31,400.77	0	31,400.77	2.95%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	24,322.54	877,538.69	901,861.23	84.65%
Landfill Gases	85.436	0	85.436	0.01%
Natural Gas	12,341.82	10,554.11	22,895.93	2.15%
Nuclear	1,536.44	101,134.48	102,670.92	9.64%
Other	131.249	0	131.249	0.01%
Petroleum	262.531	43.991	306.522	0.03%
Solar	0	0	0	0.00%
Waste	532.776	47.117	579.892	0.05%
Wind	0	4,602.00	4,602.00	0.43%
Total	71,111.98	994,250.76	1,065,362.74	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## PUD No 1 of Franklin County

### Claims on Plants

Packwood	Claim Type: Water	2,708.000
Frederickson Power LP	Claim Type: Natural Gas	10,083.000
White Creek Wind Farm	Claim Type: Wind	4,602.000
Distributed Generation--Hydro	Claim Type: Water	6,603.000

### Market Purchases

<b>Total Market Purchases</b>	<b>71,111.976</b>
BPA Market Purchase*	28,632.518
BPA Slice Wind w/o RECs**	24,647.458
Utility Market Purchase	17,832.000

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

*\*\*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.*

## PUD No 1 of Franklin County

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>521,412.341</b>
Biomass	177.541
Natural Gas	253.172
Nuclear	54,349.404
Petroleum (heavy oil)	23.641
Waste	25.320
Water	466,583.263
<b>BPA Slice</b>	<b>448,842.420</b>
Biomass	152.831
Natural Gas	217.936
Nuclear	46,785.080
Petroleum (heavy oil)	20.350
Waste	21.796
Water	401,644.427

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

## PUD No 1 of Grays Harbor County

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%



### PUD No 1 of Grays Harbor County Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	351.482	310.951	662.433	0.07%
Coal	22,143.77	0	22,143.77	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	17,152.22	817,191.05	834,343.27	86.61%
Landfill Gases	60.25	0	60.25	0.01%
Natural Gas	8,703.43	443.415	9,146.85	0.95%
Nuclear	1,083.49	95,189.54	96,273.03	9.99%
Other	92.557	0	92.557	0.01%
Petroleum	185.137	41.405	226.542	0.02%
Solar	0	0	0	0.00%
Waste	375.713	44.347	420.06	0.04%
Wind	0	0	0	0.00%
<b>Total</b>	<b>50,148.04</b>	<b>913,220.71</b>	<b>963,368.75</b>	<b>100.00%</b>

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## PUD No 1 of Grays Harbor County

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>393,953.568</b>
-------------------------	--------------------

Biomass	134.141
Natural Gas	191.284
Nuclear	41,063.742
Petroleum (heavy oil)	17.862
Waste	19.131
Water	352,527.409

<b>BPA Slice</b>	<b>519,267.141</b>
------------------	--------------------

Biomass	176.810
Natural Gas	252.130
Nuclear	54,125.799
Petroleum (heavy oil)	23.543
Waste	25.216
Water	464,663.642

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>50,148.043</b>
-------------------------------	-------------------

BPA Market Purchase*	21,633.325
BPA Slice Wind w/o RECs**	28,514.718

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

*\*\*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.*

## PUD No 1 of Jefferson County

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### PUD No 1 of Jefferson County Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	90.484	80.05	170.534	0.07%
Coal	5,700.59	0	5,700.59	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	4,415.58	210,373.70	214,789.29	86.61%
Landfill Gases	15.51	0	15.51	0.01%
Natural Gas	2,240.57	114.15	2,354.72	0.95%
Nuclear	278.929	24,505.13	24,784.06	9.99%
Other	23.827	0	23.827	0.01%
Petroleum	47.661	10.659	58.32	0.02%
Solar	0	0	0	0.00%
Waste	96.722	11.416	108.138	0.04%
Wind	0	0	0	0.00%
<b>Total</b>	<b>12,909.87</b>	<b>235,095.11</b>	<b>248,004.98</b>	<b>100.00%</b>

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## PUD No 1 of Jefferson County

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>235,095.113</b>
Biomass	80.050
Natural Gas	114.150
Nuclear	24,505.134
Petroleum (heavy oil)	10.659
Waste	11.416
Water	210,373.703

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>12,909.869</b>
BPA Market Purchase*	12,909.869

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

*\*\*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.*

## PUD No 1 of Kittitas County

### 2013 Fuel

Biomass	0.25%
Coal	14.27%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	71.62%
Landfill Gases	0.04%
Natural Gas	5.64%
Nuclear	7.75%
Other	0.06%
Petroleum	0.12%
Solar	0.00%
Waste	0.25%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### PUD No 1 of Kittitas County Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	786.906	80.068	866.974	0.25%
Coal	49,576.06	0	49,576.06	14.27%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	38,400.84	210,421.17	248,822.00	71.62%
Landfill Gases	134.888	0	134.888	0.04%
Natural Gas	19,485.47	114.176	19,599.65	5.64%
Nuclear	2,425.75	24,510.66	26,936.42	7.75%
Other	207.219	0	207.219	0.06%
Petroleum	414.489	10.662	425.15	0.12%
Solar	0	0	0	0.00%
Waste	841.155	11.419	852.574	0.25%
Wind	0	0	0	0.00%
Total	112,272.78	235,148.15	347,420.94	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## PUD No 1 of Kittitas County

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>235,148.154</b>
Biomass	80.068
Natural Gas	114.176
Nuclear	24,510.663
Petroleum (heavy oil)	10.662
Waste	11.419
Water	210,421.167

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>112,272.782</b>
BPA Market Purchase*	12,912.782
Utility Market Purchase	99,360.000

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

*\*\*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.*



## PUD No 1 of Klickitat County

### 2013 Fuel

Biomass	0.13%
Coal	6.68%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	77.29%
Landfill Gases	0.02%
Natural Gas	2.66%
Nuclear	7.48%
Other	0.03%
Petroleum	0.06%
Solar	0.00%
Waste	0.12%
<u>Wind</u>	<u>5.53%</u>
Total	100.00%

### PUD No 1 of Klickitat County Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	407.561	89.707	497.268	0.13%
Coal	25,676.84	0	25,676.84	6.68%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	19,888.88	277,001.02	296,889.90	77.29%
Landfill	69.863	0	69.863	0.02%
Gases				
Natural Gas	10,092.08	127.921	10,220.00	2.66%
Nuclear	1,256.37	27,461.30	28,717.66	7.48%
Other	107.324	0	107.324	0.03%
Petroleum	214.675	11.945	226.62	0.06%
Solar	0	0	0	0.00%
Waste	435.658	12.794	448.452	0.12%
Wind	0	21,250.00	21,250.00	5.53%
Total	58,149.24	325,954.68	384,103.93	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## PUD No 1 of Klickitat County

### Claims on Plants

Packwood	Claim Type: Water	2,887.000
White Creek Wind Farm	Claim Type: Wind	21,250.000
McNary Fish	Claim Type: Water	38,362.000

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>155,915.130</b>
-------------------------	--------------------

Biomass	53.089
Natural Gas	75.705
Nuclear	16,251.810
Petroleum (heavy oil)	7.069
Waste	7.571
Water	139,519.885

<b>BPA Slice</b>	<b>107,540.555</b>
------------------	--------------------

Biomass	36.618
Natural Gas	52.216
Nuclear	11,209.487
Petroleum (heavy oil)	4.876
Waste	5.222
Water	96,232.135

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

## PUD No 1 of Klickitat County

### Market Purchases

<b>Total Market Purchases</b>	<b>58,149.244</b>
BPA Market Purchase*	8,561.828
BPA Slice Wind w/o RECs**	5,905.416
Utility Market Purchase	43,682.000

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

*\*\*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.*

## PUD No 1 of Lewis County

### 2013 Fuel

Biomass	0.11%
Coal	5.20%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	82.58%
Landfill Gases	0.01%
Natural Gas	2.09%
Nuclear	9.39%
Other	0.02%
Petroleum	0.05%
Solar	0.00%
Waste	0.09%
<u>Wind</u>	<u>0.46%</u>
Total	100.00%

### PUD No 1 of Lewis County Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	795.86	287.39	1,083.25	0.11%
Coal	50,140.15	0	50,140.15	5.20%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	38,837.77	756,744.19	795,581.96	82.58%
Landfill Gases	136.423	0	136.423	0.01%
Natural Gas	19,707.18	409.816	20,117.00	2.09%
Nuclear	2,453.35	87,976.88	90,430.23	9.39%
Other	209.577	0	209.577	0.02%
Petroleum	419.205	38.268	457.473	0.05%
Solar	0	0	0	0.00%
Waste	850.726	40.987	891.713	0.09%
Wind	0	4,402.00	4,402.00	0.46%
Total	113,550.25	849,899.53	963,449.77	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## PUD No 1 of Lewis County

### Claims on Plants

Mill Creek	Claim Type: Water	1,166.000
Nine Canyon	Claim Type: Wind	4,402.000
Burton Creek Hydro	Claim Type: Water	307.000

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>365,956.016</b>
-------------------------	--------------------

Biomass	124.608
Natural Gas	177.690
Nuclear	38,145.417
Petroleum (heavy oil)	16.592
Waste	17.771
Water	327,473.937

<b>BPA Slice</b>	<b>478,068.509</b>
------------------	--------------------

Biomass	162.782
Natural Gas	232.126
Nuclear	49,831.461
Petroleum (heavy oil)	21.675
Waste	23.216
Water	427,797.249

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

## PUD No 1 of Lewis County

### Market Purchases

<b>Total Market Purchases</b>	<b>113,550.246</b>
BPA Market Purchase*	20,095.885
BPA Slice Wind w/o RECs**	26,252.362
Utility Market Purchase	67,202.000

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

*\*\*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.*



## PUD No 1 of Mason County

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### PUD No 1 of Mason County Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	28.593	25.296	53.889	0.07%
Coal	1,801.38	0	1,801.38	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	1,395.32	66,478.08	67,873.40	86.61%
Landfill Gases	4.901	0	4.901	0.01%
Natural Gas	708.02	36.072	744.091	0.95%
Nuclear	88.142	7,743.62	7,831.76	9.99%
Other	7.529	0	7.529	0.01%
Petroleum	15.061	3.368	18.429	0.02%
Solar	0	0	0	0.00%
Waste	30.564	3.608	34.172	0.04%
Wind	0	0	0	0.00%
Total	4,079.52	74,290.04	78,369.56	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## PUD No 1 of Mason County

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>74,290.039</b>
Biomass	25.296
Natural Gas	36.072
Nuclear	7,743.621
Petroleum (heavy oil)	3.368
Waste	3.608
Water	66,478.075

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>4,079.518</b>
BPA Market Purchase*	4,079.518

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

*\*\*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.*

## PUD No 1 of Okanogan County

### 2013 Fuel

Biomass	0.09%
Coal	4.22%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	87.58%
Landfill Gases	0.01%
Natural Gas	1.69%
Nuclear	6.27%
Other	0.02%
Petroleum	0.04%
Solar	0.00%
Waste	0.07%
<u>Wind</u>	<u>0.02%</u>
Total	100.00%

### PUD No 1 of Okanogan County Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	424.944	125.692	550.636	0.09%
Coal	26,771.98	0	26,771.98	4.22%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	20,737.16	535,050.90	555,788.06	87.58%
Landfill Gases	72.842	0	72.842	0.01%
Natural Gas	10,522.51	179.236	10,701.75	1.69%
Nuclear	1,309.95	38,477.37	39,787.32	6.27%
Other	111.902	0	111.902	0.02%
Petroleum	223.831	16.737	240.568	0.04%
Solar	0	0	0	0.00%
Waste	454.239	17.926	472.165	0.07%
Wind	0	138.673	138.673	0.02%
Total	60,629.36	574,006.54	634,635.90	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## PUD No 1 of Okanogan County

### Claims on Plants

Wells	Claim Type: Water	204,727.185
Nine Canyon	Claim Type: Wind	138.673

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>194,274.667</b>
-------------------------	--------------------

Biomass	66.150
Natural Gas	94.330
Nuclear	20,250.216
Petroleum (heavy oil)	8.808
Waste	9.434
Water	173,845.728

<b>BPA Slice</b>	<b>174,866.013</b>
------------------	--------------------

Biomass	59.542
Natural Gas	84.906
Nuclear	18,227.155
Petroleum (heavy oil)	7.928
Waste	8.492
Water	156,477.990

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

## PUD No 1 of Okanogan County

### Market Purchases

<b>Total Market Purchases</b>	<b>60,629.361</b>
BPA Market Purchase*	10,668.280
BPA Slice Wind w/o RECs**	9,602.485
Utility Market Purchase	40,358.596

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

*\*\*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.*

## PUD No 1 of Pend Oreille County

### 2013 Fuel

Biomass	0.05%
Coal	2.45%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	94.43%
Landfill Gases	0.01%
Natural Gas	0.97%
Nuclear	2.02%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%



### PUD No 1 of Pend Oreille County Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	397.166	63.26	460.427	0.05%
Coal	25,021.97	0	25,021.97	2.45%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	19,381.62	943,477.37	962,859.00	94.43%
Landfill Gases	68.081	0	68.081	0.01%
Natural Gas	9,834.68	90.209	9,924.89	0.97%
Nuclear	1,224.32	19,365.48	20,589.80	2.02%
Other	104.587	0	104.587	0.01%
Petroleum	209.2	8.424	217.624	0.02%
Solar	0	0	0	0.00%
Waste	424.547	9.022	433.569	0.04%
Wind	0	0	0	0.00%
Total	56,666.18	963,013.77	1,019,679.95	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## PUD No 1 of Pend Oreille County

### Claims on Plants

Box Canyon	Claim Type: Water	411,736.000
Boundary	Claim Type: Water	365,491.000

### Claims on BPA\*

<b>BPA Resource Mix</b>		<b>163,206.722</b>
Biomass	55.572	
Natural Gas	79.245	
Nuclear	17,011.849	
Petroleum (heavy oil)	7.400	
Waste	7.926	
Water	146,044.730	
<b>BPA Slice</b>		<b>22,580.047</b>
Biomass	7.688	
Natural Gas	10.964	
Nuclear	2,353.631	
Petroleum (heavy oil)	1.024	
Waste	1.097	
Water	20,205.644	

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

## PUD No 1 of Pend Oreille County

### Market Purchases

<b>Total Market Purchases</b>	<b>56,666.181</b>
BPA Market Purchase*	8,962.234
BPA Slice Wind w/o RECs**	1,239.947
Utility Market Purchase	46,464.000

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

*\*\*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.*

## PUD No 1 of Skamania County

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### PUD No 1 of Skamania County Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	49.156	43.488	92.645	0.07%
Coal	3,096.92	0	3,096.92	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	2,398.82	114,288.20	116,687.03	86.61%
Landfill Gases	8.426	0	8.426	0.01%
Natural Gas	1,217.22	62.014	1,279.23	0.95%
Nuclear	151.532	13,312.73	13,464.26	9.99%
Other	12.945	0	12.945	0.01%
Petroleum	25.892	5.791	31.683	0.02%
Solar	0	0	0	0.00%
Waste	52.545	6.202	58.747	0.04%
Wind	0	0	0	0.00%
Total	7,013.45	127,718.43	134,731.88	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## PUD No 1 of Skamania County

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>127,718.426</b>
Biomass	43.488
Natural Gas	62.014
Nuclear	13,312.727
Petroleum (heavy oil)	5.791
Waste	6.202
Water	114,288.204

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>7,013.451</b>
BPA Market Purchase*	7,013.451

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## PUD No 1 of Snohomish County

### 2013 Fuel

Biomass	0.28%
Coal	5.19%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	82.01%
Landfill Gases	0.01%
Natural Gas	2.08%
Nuclear	8.87%
Other	0.02%
Petroleum	0.05%
Solar	0.00%
Waste	0.09%
<u>Wind</u>	<u>1.40%</u>
Total	100.00%

### PUD No 1 of Snohomish County Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	5,606.03	13,548.21	19,154.24	0.28%
Coal	353,186.89	0	353,186.89	5.19%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	273,573.00	5,311,405.01	5,584,978.01	82.01%
Landfill Gases	960.964	20	980.964	0.01%
Natural Gas	138,817.26	2,733.92	141,551.19	2.08%
Nuclear	17,281.40	586,901.43	604,182.84	8.87%
Other	1,476.26	0	1,476.26	0.02%
Petroleum	2,952.88	255.288	3,208.16	0.05%
Solar	0	0	0	0.00%
Waste	5,992.51	273.427	6,265.94	0.09%
Wind	0	95,332.00	95,332.00	1.40%
Total	799,847.20	6,010,469.28	6,810,316.48	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*



## PUD No 1 of Snohomish County

### Claims On Plants

Packwood	Claim Type: Water	18,940.000
Hay Canyon Wind Power LLC	Claim Type: Wind	95,332.000
Youngs Creek Hydroelectric	Claim Type: Water	18,671.000
H M Jackson	Claim Type: Water	233,333.000
Roosevelt Biogas 1	Claim Type: Landfill Gases	20.000
Hampton Lumber Mill	Claim Type: Wood	11,631.000
Woods Creek	Claim Type: Water	1,981.000

### Market Purchases

<b>Total Market Purchases</b>	<b>799,847.196</b>
BPA Market Purchase*	176,091.822
BPA Slice Wind w/o RECs**	133,101.375
Utility Market Purchase	490,654.000

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

*\*\*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.*

## PUD No 1 of Snohomish County

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>3,206,719.309</b>
Biomass	1,091.887
Natural Gas	1,557.023
Nuclear	334,252.318
Petroleum (heavy oil)	145.392
Waste	155.722
Water	2,869,516.967
<b>BPA Slice</b>	<b>2,423,841.969</b>
Biomass	825.318
Natural Gas	1,176.897
Nuclear	252,649.115
Petroleum (heavy oil)	109.896
Waste	117.705
Water	2,168,963.038

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

## PUD No 1 of Wahkiakum County

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### PUD No 1 of Wahkiakum County Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	16.087	14.232	30.319	0.07%
Coal	1,013.50	0	1,013.50	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	785.04	37,402.02	38,187.06	86.61%
Landfill Gases	2.758	0	2.758	0.01%
Natural Gas	398.347	20.295	418.642	0.95%
Nuclear	49.59	4,356.73	4,406.32	9.99%
Other	4.236	0	4.236	0.01%
Petroleum	8.474	1.895	10.369	0.02%
Solar	0	0	0	0.00%
Waste	17.196	2.03	19.226	0.04%
Wind	0	0	0	0.00%
<b>Total</b>	<b>2,295.23</b>	<b>41,797.20</b>	<b>44,092.42</b>	<b>100.00%</b>

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## PUD No 1 of Wahkiakum County

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>41,797.197</b>
Biomass	14.232
Natural Gas	20.295
Nuclear	4,356.730
Petroleum (heavy oil)	1.895
Waste	2.030
Water	37,402.016

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>2,295.226</b>
BPA Market Purchase*	2,295.226

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## PUD No 1 of Whatcom County

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### PUD No 1 of Whatcom County Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	83.323	73.714	157.037	0.07%
Coal	5,249.43	0	5,249.43	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	4,066.12	193,724.17	197,790.29	86.61%
Landfill Gases	14.283	0	14.283	0.01%
Natural Gas	2,063.24	105.116	2,168.36	0.95%
Nuclear	256.854	22,565.73	22,822.59	9.99%
Other	21.942	0	21.942	0.01%
Petroleum	43.889	9.816	53.704	0.02%
Solar	0	0	0	0.00%
Waste	89.067	10.513	99.58	0.04%
Wind	0	0	0	0.00%
Total	11,888.15	216,489.06	228,377.21	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## PUD No 1 of Whatcom County

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>216,489.062</b>
Biomass	73.714
Natural Gas	105.116
Nuclear	22,565.733
Petroleum (heavy oil)	9.816
Waste	10.513
Water	193,724.170

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>11,888.148</b>
BPA Market Purchase*	11,888.148

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*



## PUD No 2 of Grant County

### 2013 Fuel

Biomass	0.24%
Coal	15.25%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	77.15%
Landfill Gases	0.04%
Natural Gas	6.00%
Nuclear	0.86%
Other	0.06%
Petroleum	0.13%
Solar	0.00%
Waste	0.26%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

## PUD No 2 of Grant County Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	9,769.78	15.451	9,785.23	0.24%
Coal	615,508.09	0	615,508.09	15.25%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	476,762.87	2,636,215.69	3,112,978.56	77.15%
Landfill Gases	1,674.70	0	1,674.70	0.04%
Natural Gas	241,920.50	22.032	241,942.53	6.00%
Nuclear	30,116.76	4,729.79	34,846.55	0.86%
Other	2,572.71	0	2,572.71	0.06%
Petroleum	5,146.06	2.057	5,148.11	0.13%
Solar	0	0	0	0.00%
Waste	10,443.30	2.204	10,445.51	0.26%
Wind	0	0	0	0.00%
Total	1,393,914.76	2,640,987.23	4,034,901.99	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## PUD No 2 of Grant County

### Claims on Plants

Priest Rapids	Claim Type: Water	1,283,615.000
Wanapum	Claim Type: Water	1,265,270.000
PEC Headworks	Claim Type: Water	18,315.000
Quincy Chute	Claim Type: Water	28,411.000

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>45,376.225</b>
Biomass	15.451
Natural Gas	22.032
Nuclear	4,729.790
Petroleum (heavy oil)	2.057
Waste	2.204
Water	40,604.692

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>1,393,914.762</b>
BPA Market Purchase*	2,491.762
Utility Market Purchase	1,391,423.000

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## PUD No 2 of Pacific County

### 2013 Fuel

Biomass	0.10%
Coal	4.28%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	84.13%
Landfill Gases	0.01%
Natural Gas	1.73%
Nuclear	9.62%
Other	0.02%
Petroleum	0.04%
Solar	0.00%
Waste	0.08%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

## PUD No 2 of Pacific County Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	207.518	93.922	301.44	0.10%
Coal	13,073.88	0	13,073.88	4.28%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	10,126.82	246,831.19	256,958.02	84.13%
Landfill Gases	35.572	0	35.572	0.01%
Natural Gas	5,138.59	133.933	5,272.52	1.73%
Nuclear	639.704	28,751.84	29,391.55	9.62%
Other	54.646	0	54.646	0.02%
Petroleum	109.306	12.506	121.813	0.04%
Solar	0	0	0	0.00%
Waste	221.824	13.395	235.219	0.08%
Wind	0	0	0	0.00%
<b>Total</b>	<b>29,607.86</b>	<b>275,836.79</b>	<b>305,444.66</b>	<b>100.00%</b>

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## PUD No 2 of Pacific County

### Claims on BPA\*

<b>BPA Resource Mix</b>		<b>131,804.152</b>
Biomass	44.879	
Natural Gas	63.998	
Nuclear	13,738.603	
Petroleum (heavy oil)	5.976	
Waste	6.401	
Water	117,944.295	
<b>BPA Slice</b>		<b>144,032.641</b>
Biomass	49.043	
Natural Gas	69.935	
Nuclear	15,013.239	
Petroleum (heavy oil)	6.530	
Waste	6.994	
Water	128,886.899	

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>		<b>29,607.863</b>
BPA Market Purchase*	7,237.813	
BPA Slice Wind w/o RECs**	7,909.320	
Utility Market Purchase	14,460.730	

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

*\*\*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.*

## PUD No 3 of Mason County

### 2013 Fuel

Biomass	0.07%
Coal	2.26%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	85.85%
Landfill Gases	0.01%
Natural Gas	0.93%
Nuclear	9.81%
Other	0.01%
Petroleum	0.02%
Solar	0.03%
Waste	0.04%
<u>Wind</u>	<u>0.97%</u>
Total	100.00%

### PUD No 3 of Mason County Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	255.014	225.608	480.622	0.07%
Coal	16,066.21	0	16,066.21	2.26%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	12,444.63	598,654.52	611,099.15	85.85%
Landfill Gases	43.714	0	43.714	0.01%
Natural Gas	6,314.69	321.715	6,636.41	0.93%
Nuclear	786.118	69,063.90	69,850.02	9.81%
Other	67.154	0	67.154	0.01%
Petroleum	134.324	30.041	164.365	0.02%
Solar	0	222.54	222.54	0.03%
Waste	272.595	32.176	304.77	0.04%
Wind	0	6,927.79	6,927.79	0.97%
Total	36,384.46	675,478.30	711,862.75	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*



## PUD No 3 of Mason County

### Claims on Plants

Packwood	Claim Type: Water	5,749.000
Nine Canyon	Claim Type: Wind	6,927.790
Distributed Generation--Solar	Claim Type: Solar-Photovoltaic	222.540

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>662,578.965</b>
Biomass	225.608
Natural Gas	321.715
Nuclear	69,063.904
Petroleum (heavy oil)	30.041
Waste	32.176
Water	592,905.521

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>36,384.456</b>
BPA Market Purchase*	36,384.456

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## Puget Sound Energy, Inc.

### 2013 Fuel

Biomass	0.23%
Coal	31.29%
Cogeneration	5.00%
Geothermal	0.00%
Hydro	31.93%
Landfill Gases	0.03%
Natural Gas	23.31%
Nuclear	0.94%
Other	0.05%
Petroleum	0.15%
Solar	0.00%
Waste	0.21%
<u>Wind</u>	<u>6.84%</u>
Total	100.00%

### Puget Sound Energy, Inc. Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	43,390.53	8,588.59	51,979.12	0.23%
Coal	2,733,656.26	4,283,131.52	7,016,787.78	31.29%
Cogeneration	0	1,121,690.24	1,121,690.24	5.00%
Geothermal	0	0	0	0.00%
Hydro	2,117,447.09	5,042,018.80	7,159,465.88	31.93%
Landfill Gases	7,437.84	0	7,437.84	0.03%
Natural Gas	1,074,441.59	4,153,389.17	5,227,830.77	23.31%
Nuclear	133,757.57	77,937.09	211,694.66	0.94%
Other	11,426.18	0	11,426.18	0.05%
Petroleum	22,855.17	10,933.02	33,788.19	0.15%
Solar	0	844.228	844.228	0.00%
Waste	46,381.85	64.309	46,446.16	0.21%
Wind	0	1,533,307.77	1,533,307.77	6.84%
Total	6,190,794.06	16,231,904.74	22,422,698.80	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

### Puget Sound Energy, Inc. Claims on Plants

Crystal Mountain	Claim Type:	Petroleum (light oil)	48.000
Electron	Claim Type:	Water	56,978.000
Lower Baker	Claim Type:	Water	345,634.000
Snoqualmie	Claim Type:	Water	75,092.000
Upper Baker	Claim Type:	Water	348,408.000
Rocky Reach	Claim Type:	Water	1,539,129.000
Wells	Claim Type:	Water	1,049,744.000
Priest Rapids	Claim Type:	Water	36,796.000
Wanapum	Claim Type:	Water	35,192.000
Twin Falls Hydro	Claim Type:	Water	82,337.000
Koma Kulshan Associates	Claim Type:	Water	39,587.000
Sumas Cogeneration Co LP	Claim Type:	Natural Gas	529,244.000
Ferndale Cogeneration	Claim Type:	Cogen	857,501.000
		Petroleum (light oil)	136.976
		Natural Gas	857,364.024
Hutchinson Creek	Claim Type:	Water	804.000
Black Creek	Claim Type:	Water	12,644.000
Goldendale Generating	Claim Type:	Natural Gas	1,448,998.000
Mint Farm Generation LLC	Claim Type:	Natural Gas	1,592,265.000
Frederickson Power LP	Claim Type:	Natural Gas	410,701.000
Hopkins Ridge Wind	Claim Type:	Wind	232,023.000
Wild Horse Wind	Claim Type:		410,663.000
		Solar-Photovoltaic	474.228
		Wind	410,188.772
Klondike Windpower III	Claim Type:	Wind	74,749.000

### Puget Sound Energy, Inc. Claims on Plants (continued)

Lower Snake River Wind	Claim Type: Wind	805,720.000
Klamath Falls Bioenergy Facility	Claim Type: Wood	8,334.000
Fredonia	Claim Type:	123,699.000
	Petroleum (light oil)	2,278.726
	Natural Gas	121,420.274
Colstrip	Claim Type:	4,286,755.000
Coal(bituminous)	4,283,131.521	
	Petroleum (light oil)	1,797.166
	Petroleum (heavy oil)	1,826.313
Whitehorn	Claim Type:	27,416.000
	Petroleum (light oil)	3,922.783
	Natural Gas	23,493.217
Rock Island	Claim Type: Water	743,943.000
Skookumchuck	Claim Type: Water	6,650.000
Encogen	Claim Type: Cogen	264,597.000
	Petroleum (light oil)	270.789
	Natural Gas	264,326.211
Frederickson	Claim Type:	27,523.000
	Petroleum (light oil)	618.366
	Natural Gas	26,904.634
Island Community Solar	Claim Type: Solar-Photovoltaic	58.000
3 Bar G Wind Turbine #3	Claim Type: Wind	200.000
Bio Energy Washington	Claim Type: Water	28.000
Cascade Community Solar	Claim Type: Solar-Photovoltaic	28.000
Swauk Valley Wind	Claim Type: Wind	10,427.000
Lake Washington -- Finn Hill	Claim Type: Solar-Photovoltaic	284.000

## **Puget Sound Energy, Inc.**

### **Claims on BPA\***

<b>BPA Resource Mix</b>	<b>747,705.742</b>
Biomass	254.594
Natural Gas	363.049
Nuclear	77,937.092
Petroleum (heavy oil)	33.901
Waste	36.309
Water	669,080.797

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### **Market Purchases**

<b>Total Market Purchases</b>	<b>6,190,794.056</b>
BPA Market Purchase*	41,059.056
Utility Market Purchase	6,149,735.000

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## Ruston Electric Utility

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### Ruston Electric Utility Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	2.504	2.216	4.72	0.07%
Coal	157.781	0	157.781	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	122.215	5,822.74	5,944.95	86.61%
Landfill Gases	0.429	0	0.429	0.01%
Natural Gas	62.015	3.159	65.174	0.95%
Nuclear	7.72	678.255	685.975	9.99%
Other	0.659	0	0.659	0.01%
Petroleum	1.319	0.295	1.614	0.02%
Solar	0	0	0	0.00%
Waste	2.677	0.316	2.993	0.04%
Wind	0	0	0	0.00%
<b>Total</b>	<b>357.32</b>	<b>6,506.98</b>	<b>6,864.30</b>	<b>100.00%</b>

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*



## **Ruston Electric Utility**

### **Claims on BPA\***

<b>BPA Resource Mix</b>	<b>6,506.978</b>
Biomass	2.216
Natural Gas	3.159
Nuclear	678.255
Petroleum (heavy oil)	0.295
Waste	0.316
Water	5,822.737

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### **Market Purchases**

<b>Total Market Purchases</b>	<b>357.320</b>
BPA Market Purchase*	357.320

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## Seattle City Light

### 2013 Fuel

Biomass	0.25%
Coal	1.65%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	88.90%
Landfill Gases	0.52%
Natural Gas	0.67%
Nuclear	4.52%
Other	0.06%
Petroleum	0.02%
Solar	0.00%
Waste	0.03%
<u>Wind</u>	<u>3.37%</u>
Total	100.00%

### Seattle City Light Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	2,629.14	22,731.16	25,360.30	0.25%
Coal	165,639.25	0	165,639.25	1.65%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	128,301.56	8,777,816.17	8,906,117.73	88.90%
Landfill Gases	450.678	51,577.00	52,027.68	0.52%
Natural Gas	65,103.18	2,069.34	67,172.51	0.67%
Nuclear	8,104.71	444,232.88	452,337.59	4.52%
Other	692.341	5,748.00	6,440.34	0.06%
Petroleum	1,384.85	193.231	1,578.08	0.02%
Solar	0	0	0	0.00%
Waste	2,810.40	206.96	3,017.36	0.03%
Wind	0	338,099.00	338,099.00	3.37%
Total	375,116.11	9,642,673.73	10,017,789.85	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

### Seattle City Light Claims on Plants

Priest Rapids	Claim Type: Water	26,061.000
West Point Treatment Plant	Claim Type: Cogen - Other	5,748.000
Stateline--WA (FPL Energy)	Claim Type: Wind	202,859.000
Stateline--OR (FPL Energy)	Claim Type: Wind	135,240.000
Sierra Pacific Burlington Facility	Claim Type: Wood	21,280.000
Columbia Ridge	Claim Type: Landfill Gases	51,577.000
Ross	Claim Type: Water	568,492.000
South Fork Tolt	Claim Type: Water	43,405.000
Cedar Falls	Claim Type: Water	60,346.000
Gorge	Claim Type: Water	748,809.000
Diablo	Claim Type: Water	648,507.000
Boundary	Claim Type: Water	2,415,353.000
Grand Coulee Project Hydro	Claim Type: Water	199,799.000
High Ross Treaty	Claim Type: Water	253,357.000

### Market Purchases

<b>Total Market Purchases</b>	<b>375,116.114</b>
BPA Market Purchase*	123,109.391
BPA Slice Wind w/o RECs**	110,922.723
Utility Market Purchase	141,084.000

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

*\*\*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.*

### Seattle City Light Claims on BPA\*

<b>BPA Resource Mix</b>	<b>2,241,883.001</b>
Biomass	763.361
Natural Gas	1,088.547
Nuclear	233,682.626
Petroleum (heavy oil)	101.646
Waste	108.868
Water	2,006,137.953
 <b>BPA Slice</b>	 <b>2,019,957.730</b>
Biomass	687.795
Natural Gas	980.791
Nuclear	210,550.250
Petroleum (heavy oil)	91.584
Waste	98.092
Water	1,807,549.218

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

## Tacoma Power

### 2013 Fuel

Biomass	0.06%
Coal	2.84%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	88.40%
Landfill Gases	0.01%
Natural Gas	1.14%
Nuclear	5.78%
Other	0.01%
Petroleum	0.03%
Solar	0.00%
Waste	0.05%
<u>Wind</u>	<u>1.67%</u>
Total	100.00%

### Tacoma Power Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	2,263.81	924.515	3,188.33	0.06%
Coal	142,623.02	0	142,623.02	2.84%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	110,473.55	4,325,381.41	4,435,854.95	88.40%
Landfill Gases	388.054	0	388.054	0.01%
Natural Gas	56,056.83	1,318.35	57,375.18	1.14%
Nuclear	6,978.53	283,015.79	289,994.33	5.78%
Other	596.138	0	596.138	0.01%
Petroleum	1,192.42	123.105	1,315.53	0.03%
Solar	0	0	0	0.00%
Waste	2,419.88	131.852	2,551.73	0.05%
Wind	0	83,945.00	83,945.00	1.67%
Total	322,992.24	4,694,840.02	5,017,832.27	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

### Tacoma Power Claims on Plants

Priest Rapids	Claim Type: Water	21,462.000
Alder	Claim Type: Water	142,520.000
Cushman 1	Claim Type: Water	62,241.000
Cushman 2	Claim Type: Water	98,579.000
LaGrande	Claim Type: Water	225,812.000
Mayfield	Claim Type: Water	458,492.000
Mossyrock	Claim Type: Water	705,631.000
Stateline--WA (FPL Energy	Claim Type: Wind	8,173.000
Condon Windpower LLC	Claim Type: Wind	4,224.000
Klondike	Claim Type: Wind	2,077.000
Klondike Windpower III	Claim Type: Wind	5,338.000
Hot Springs Windfarm LLC	Claim Type: Wind	27,931.000
Bennett Creek Windfarm LLC	Claim Type: Wind	36,202.000
Wynoochee	Claim Type: Water	15,636.000
Grand Coulee Project Hydro	Claim Type: Water	163,107.000
Hood Street Reservoir	Claim Type: Water	2,244.000



## Tacoma Power Claims On BPA\*

<b>BPA Resource Mix</b>	<b>1,493,602.805</b>
Biomass	508.571
Natural Gas	725.219
Nuclear	155,685.656
Petroleum (heavy oil)	67.720
Waste	72.531
Water	1,336,543.108
 <b>BPA Slice</b>	 <b>1,221,568.219</b>
Biomass	415.944
Natural Gas	593.133
Nuclear	127,330.137
Petroleum (heavy oil)	55.386
Waste	59.321
Water	1,093,114.300

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

## Market Purchases

<b>Total Market Purchases</b>	<b>322,992.240</b>
BPA Market Purchase*	82,018.790
BPA Slice Wind w/o RECs**	67,080.450
Utility Market Purchase	173,893.000

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

*\*\*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.*

## Tanner Electric Cooperative

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### Tanner Electric Cooperative Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	36.331	32.141	68.472	0.07%
Coal	2,288.89	0	2,288.89	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	1,772.94	84,468.85	86,241.79	86.61%
Landfill Gases	6.228	0	6.228	0.01%
Natural Gas	899.629	45.833	945.462	0.95%
Nuclear	111.995	9,839.26	9,951.25	9.99%
Other	9.567	0	9.567	0.01%
Petroleum	19.137	4.28	23.416	0.02%
Solar	0	0	0	0.00%
Waste	38.835	4.584	43.419	0.04%
Wind	0	0	0	0.00%
Total	5,183.55	94,394.95	99,578.49	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## Tanner Electric Cooperative

### Claims on BPA\*

<b>BPA Resource Mix</b>		<b>94,394.945</b>
Biomass	32.141	
Natural Gas	45.833	
Nuclear	9,839.255	
Petroleum (heavy oil)	4.280	
Waste	4.584	
Water	84,468.851	

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>		<b>5,183.546</b>
BPA Market Purchase*	5,183.546	

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## Town of Eatonville

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### Town of Eatonville Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	10.241	9.06	19.301	0.07%
Coal	645.192	0	645.192	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	499.756	23,810.10	24,309.86	86.61%
Landfill Gases	1.755	0	1.755	0.01%
Natural Gas	253.588	12.92	266.507	0.95%
Nuclear	31.569	2,773.49	2,805.06	9.99%
Other	2.697	0	2.697	0.01%
Petroleum	5.394	1.206	6.601	0.02%
Solar	0	0	0	0.00%
Waste	10.947	1.292	12.239	0.04%
Wind	0	0	0	0.00%
Total	1,461.14	26,608.07	28,069.21	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## Town of Eatonville

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>26,608.073</b>
Biomass	9.060
Natural Gas	12.920
Nuclear	2,773.492
Petroleum (heavy oil)	1.206
Waste	1.292
Water	23,810.103

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>1,461.139</b>
BPA Market Purchase*	1,461.139

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## Town of Steilacoom

### 2013 Fuel

Biomass	0.07%
Coal	2.30%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	86.61%
Landfill Gases	0.01%
Natural Gas	0.95%
Nuclear	9.99%
Other	0.01%
Petroleum	0.02%
Solar	0.00%
Waste	0.04%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%



### Town of Steilacoom Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	15.079	13.341	28.42	0.07%
Coal	950.023	0	950.023	2.30%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	735.873	35,059.55	35,795.42	86.61%
Landfill Gases	2.585	0	2.585	0.01%
Natural Gas	373.399	19.024	392.423	0.95%
Nuclear	46.485	4,083.87	4,130.36	9.99%
Other	3.971	0	3.971	0.01%
Petroleum	7.943	1.776	9.719	0.02%
Solar	0	0	0	0.00%
Waste	16.119	1.903	18.022	0.04%
Wind	0	0	0	0.00%
Total	2,151.48	39,179.46	41,330.94	100.00%

*Purchases include that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## Town of Steilacoom

### Claims on BPA\*

<b>BPA Resource Mix</b>		<b>39,179.460</b>
Biomass	13.341	
Natural Gas	19.024	
Nuclear	4,083.870	
Petroleum (heavy oil)	1.776	
Waste	1.903	
Water	35,059.547	

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>		<b>2,151.477</b>
BPA Market Purchase*	2,151.477	

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*

## Vera Water & Power

### 2013 Fuel

Biomass	0.09%
Coal	4.02%
Cogeneration	0.00%
Geothermal	0.00%
Hydro	84.45%
Landfill Gases	0.01%
Natural Gas	1.62%
Nuclear	9.67%
Other	0.02%
Petroleum	0.04%
Solar	0.00%
Waste	0.07%
<u>Wind</u>	<u>0.00%</u>
Total	100.00%

### Vera Water & Power Fuel Mix

Fuel	MWh from Market Purchases*	MWh from Claims on Resources*	Total	Percent
Biomass	149.954	72.698	222.651	0.09%
Coal	9,447.27	0	9,447.27	4.02%
Cogeneration	0	0	0	0.00%
Geothermal	0	0	0	0.00%
Hydro	7,317.71	191,052.22	198,369.93	84.45%
Landfill Gases	25.704	0	25.704	0.01%
Natural Gas	3,713.17	103.666	3,816.84	1.62%
Nuclear	462.254	22,254.49	22,716.75	9.67%
Other	39.488	0	39.488	0.02%
Petroleum	78.985	9.68	88.666	0.04%
Solar	0	0	0	0.00%
Waste	160.291	10.368	170.659	0.07%
Wind	0	0	0	0.00%
Total	21,394.82	213,503.13	234,897.95	100.00%

*\*MWh from Market Purchases includes that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of market power. MWh from Claims on Resources includes any claims on specific facilities and that part of any claims on BPA power that corresponds to the percent of BPA's electricity product that is comprised of power from specific facilities.*

## Vera Water & Power

### Claims on BPA\*

<b>BPA Resource Mix</b>	<b>213,503.128</b>
Biomass	72.698
Natural Gas	103.666
Nuclear	22,254.494
Petroleum (heavy oil)	9.680
Waste	10.368
Water	191,052.222

*\*Includes that part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from specific generating facilities. That part of claims on BPA electricity products that correspond to the percentage of BPA's power that comes from market purchases is included in the 'Market Purchases' table.*

### Market Purchases

<b>Total Market Purchases</b>	<b>21,394.824</b>
BPA Market Purchase*	11,724.180
Utility Market Purchase	9,670.644

*\*Listings for 'BPA Market Purchases' correspond to that part of any claims on BPA electricity product that is comprised of market purchases made by BPA.*