

### Energy Usage and Source Summary<sup>1</sup>

Energy Parameter		Total Combined (BBtu)				Total Combined / Production (BBtu/MCF x 100,000)				Percent Change (2012-2018)
		2012	2014	2016	2018	2012	2014	2016	2018	
<b>Electricity<sup>2</sup></b>										
Non-Renewable Resources	Coal	395	651	414	358	277.7	303.9	215.3	205.4	-26%
	Oil	6	13	11	10	4.2	6.0	5.7	5.9	41%
	Gas	248	348	401	364	174.8	162.3	208.8	209.3	20%
	Other fossil	2	4	4	3	1.3	1.8	2.0	1.7	31%
	Nuclear	25	140	100	95	17.9	65.5	52.2	54.6	205%
	Other unknown/ purchased fuel	1	1	1	2	0.7	0.6	0.7	0.9	29%
Total Electricity Derived from Non-Renewable Resources		677	1,157	931	832	476.6	540.2	484.7	477.9	0%
		56%	69%	60%	64%	56%	69%	60%	64%	13%
Renewable Resources	Hydro	418	366	423	309	294.1	170.8	220.3	177.3	-40%
	Biomass	15	26	25	22	10.5	12.3	13.1	12.8	22%
	Wind	87	110	154	130	61.2	51.2	79.9	74.5	22%
	Solar	0	1	6	5	0.2	0.5	3.2	2.9	1077%
	Geo- thermal	5	9	6	4	3.6	4.2	2.9	2.3	-36%
Total Electricity Derived from Renewable Resources		525	512	614	470	369.6	239.1	319.5	269.8	-27%
		44%	31%	40%	36%	44%	31%	40%	36%	-17%
Total Electricity Usage		1,203	1,669	1,545	1,301	846.3	779.3	804.2	747.4	-12%
<b>Other Energy Sources</b>										
Natural Gas Usage		1,302	1,845	1,858	1,788	916.1	861.5	967.2	1,026.6	12%
% Energy from Natural Gas		16%	14%	16%	17%	16%	14%	16%	17%	11%
Biomass Usage		5,885	9,267	8,378	7,317	4,141	4,328	4,361	4,202	1%
% Energy from Biomass		70%	73%	71%	70%	70%	73%	71%	70%	0%
<b>Total Energy</b>										
Total from Non-Renewable Source		1,980	3,002	2,789	2,619	1,393	1,402	1,452	1,504	8%
		24%	23%	24%	25%	24%	23%	24%	25%	7%
Total from Renewable Source		6,411	9,779	8,991	7,787	4,510	4,567	4,681	4,472	-1%
		76%	77%	76%	75%	76%	77%	76%	75%	-2%
Total Energy Usage		8,390	12,781	11,780	10,406	5,903	5,969	6,133	5,976	1%

**Notes:**

<sup>1</sup> Energy usage details reflect electricity, natural gas, and biomass usage at all Boise Cascade Wood Products, L.L.C. manufacturing locations.

<sup>2</sup> Electricity resource mix from details provided in eGRID 2012, 2014, and 2016.

MCF: Thousand Cubic Feet Solid Wood Equivalent