

WBMLP Power Supply Sources: As of January 23, 2018
kWh's purchased by type of energy resource

Resource	Actual 2014	Actual 2015	Actual 2016	Actual 2017	Forecast 2018
Wind	3,117,464	3,388,855	3,265,405	5,052,114	4,700,000
Solar	474,645	450,316	502,786	2,683,949	3,050,000
Hydro	3,590,005	3,785,062	3,670,565	4,278,861	3,417,000
Nuclear	25,840,788	25,640,171	26,742,605	25,818,999	26,428,000
Gas	1,258,750	2,106,477	1,232,840	940,530	1,327,000
Oil	1,478,393	693,033	202,420	363,063	135,000
Hedged Energy	15,016,700	15,431,850	15,290,550	14,261,700	9,863,000
RT/DA Market	8,557,440	7,327,275	6,785,670	4,118,190	10,609,000
	59,334,185	58,823,039	57,692,841	57,517,406	59,529,000

kWh's purchased by generation asset

Resource	Actual 2014	Actual 2015	Actual 2016	Actual 2017	Forecast 2018
Berkshire Wind	2,752,475	2,655,934	2,552,695	2,655,654	2,628,000
Oakdale	-	-	-	-	-
NYPA Hydro	2,667,609	2,910,557	2,976,146	3,161,251	2,318,000
Eagle Creek Hydro	922,396	874,505	694,419	1,117,610	1,099,000
Nuclear, Millstone 1	2,034,032	2,320,221	1,986,151	2,116,538	2,346,000
Nuclear, Millstone 3	5,359,407	6,113,482	5,233,248	5,576,800	6,178,000
Nuclear, Seabrook 1	224,863	209,739	237,978	220,942	217,000
Nuclear, Seabrook 4	12,811,277	11,949,511	13,558,433	12,587,868	12,436,000
Nuclear, Seabrook 5	803,328	749,292	850,179	789,321	780,000
Nuclear, Seabrook 6	4,607,881	4,297,926	4,876,616	4,527,530	4,471,000
West Boylston Solar	474,645	450,316	502,786	452,705	465,000
WB Landfill Comm. Solar	-	-	-	2,231,244	2,585,000
SB Peaking, Oil	210,548	53,483	68,929	75,106	28,000
SB Intermediate, Oil	1,267,845	639,550	133,491	287,957	107,000
SB Intermediate, Natural Gas	1,258,750	2,106,477	1,232,840	940,530	1,327,000
Market	8,557,440	7,327,275	6,785,670	4,118,190	10,609,000
Hedge	15,016,700	15,431,850	15,290,550	14,261,700	9,863,000
Princeton Wind	364,989	732,921	649,986	848,085	651,000
Hancock Wind	-	-	62,724	1,548,375	1,421,000
	59,334,185	58,823,039	57,692,841	57,517,406	59,529,000
MassDEP Clean	28,508,397	28,550,728	29,718,751	28,980,250	28,746,000
MLP Total Clean	33,022,902	33,264,404	34,181,361	37,833,923	37,595,000
Percent Fuel	2,526,595	2,746,027	1,366,331	1,228,487	
SB Intermediate, Oil	50.18%	23.29%	9.77%	23.44%	
SB Intermediate, Natural Gas	49.82%	76.71%	90.23%	76.56%	

WBMLP Power Supply Sources:
As of January 23, 2018
Percent Energy Purchased by Type of Energy Resource

Resource	Actual 2014	Actual 2015	Actual 2016	Actual 2017	Forecasted 2018
Wind	5%	6%	6%	9%	8%
Solar	1%	1%	1%	5%	5%
Hydro	6%	6%	6%	7%	6%
Nuclear	44%	44%	46%	45%	44%
Natural Gas	2%	4%	2%	2%	2%
Oil	3%	1%	0%	1%	0%
Hedged Energy ISO-NE Market	25%	26%	27%	25%	17%
RT/DA ISO-NE Market	14%	12%	12%	7%	18%
	100%	100%	100%	100%	100%

Percent Purchased by Generation Asset

Resource	Actual 2014	Actual 2015	Actual 2016	Actual 2017	Forecasted 2018
Berkshire Wind	4.6%	4.5%	4.4%	4.6%	4.4%
Oakdale Hydro	0.0%	0.0%	0.0%	0.0%	0.0%
NYPA Hydro	4.5%	4.9%	5.2%	5.5%	3.9%
Eagle Creek Hydro	1.6%	1.5%	1.2%	1.9%	1.8%
Nuclear, Millstone 1	3.4%	3.9%	3.4%	3.7%	3.9%
Nuclear, Millstone 3	9.0%	10.4%	9.1%	9.7%	10.4%
Nuclear, Seabrook 1	0.4%	0.4%	0.4%	0.4%	0.4%
Nuclear, Seabrook 4	21.6%	20.3%	23.5%	21.9%	20.9%
Nuclear, Seabrook 5	1.4%	1.3%	1.5%	1.4%	1.3%
Nuclear, Seabrook 6	7.8%	7.3%	8.5%	7.9%	7.5%
West Boylston Solar	0.8%	0.8%	0.9%	0.8%	0.8%
WB Landfill Comm. Solar	0.0%	0.0%	0.0%	3.9%	4.3%
SB Peaking, Oil	0.4%	0.1%	0.1%	0.1%	0.0%
SB Intermediate, Oil	2.1%	1.1%	0.2%	0.5%	0.2%
SB Intermediate, Natural Gas	2.1%	3.6%	2.1%	1.6%	2.2%
Market	14.4%	12.5%	11.8%	7.2%	17.8%
Hedge	25.3%	26.2%	26.5%	24.8%	16.6%
Princeton Wind	0.6%	1.2%	1.1%	1.5%	1.1%
Hancock Wind	0.0%	0.0%	0.1%	2.7%	2.4%
	100%	100%	100%	100%	100%

MassDEP Non-GHG Emitting
48%
49%
52%
50%
48%
Non-GHG Emitting Sources
56%
57%
59%
66%
63%
Committed Contractually
86%
88%
88%
93%
80%

Your 2017 energy supply is diverse, low cost, and emits very little GHG's.	
45%	Nuclear
25%	Hedged Energy ISO-NE Market
9%	Wind
7%	Hydro
7%	RT/DA ISO-NE Market
5%	Solar
2%	Natural Gas
1%	Oil
100%	Total

Your 2017 energy supply included these specific sources in 2017.	
32%	Seabrook Nuclear, NH
25%	Hedged Energy ISO-NE Market
13%	Millstone Nuclear, CT
7%	RT/DA ISO-NE Market
5%	NYPA Hydro, New York
5%	Berkshire Wind, Hancock MA
4%	West Boylston Community Solar
3%	Hancock Wind, Maine
2%	Eagle Creek Hydro, NH
2%	Stony Brook Natural Gas, Ludlow MA
1%	Princeton Wind, Princeton MA
1%	West Boylston Solar 1
1%	Stony Brook Oil, Ludlow MA
100%	Total

50%	Of your energy supply emitted "0" green-house-gases in 2017
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66%	Of your energy supply came from "0" green-house-gas emitting sources in 2017
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93%	Of your energy supply volume is contracted at low prices from today through 2057.
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WBMLP 2017 Energy Portfolio

