

FY2017 Agencies Analysis.xlsx - FY2017 Renewable EPA Reports

	TOTAL	UW-Madison	UW-Oshkosh	UW-Stevens Point	Other State Facilities
Total FY2017 Electric Use	977,321,952	72,168,456	4,141,382	3,741,988	897,270,126
Madison Gas & Electric	39,999,996	18,750,068	1,075,971	972,205	19,201,752
Wisconsin Public Service	61,979,500	28,855,795	1,655,888	1,496,194	29,971,623
Wisconsin Public Power Inc.	33,000,000	15,468,808	887,677	802,069	15,841,447
We Energies	19,400,004	9,093,786	521,846	471,520	9,312,853
Sum Renewables	154,379,500	72,168,456	4,141,382	3,741,988	74,327,674
% Total State Purchases	100.00%	46.75%	2.68%	2.42%	48.15%
FY2017 Electric Use	977,321,952	459,945,182	26,393,925	23,848,500	467,134,345
% Renewable of Total kwh	15.796%	15.691%	15.691%	15.691%	15.911%
FY2017 Purchase Cost	\$ 5,389,162	\$ 2,526,179	\$ 144,965	\$ 130,984	\$ 2,587,034
FY2017 Added Cost \$/kwh	\$ 0.0349	\$ 0.0350	\$ 0.0350	\$ 0.0350	\$ 0.0348

**RENEWABLE ENERGY USAGE (07/01/2016 - 06/30/2017)**

UNIT=KWH

FACILITY	TOTAL
<b>DEPT OF ADMINISTRATION - 5.91%</b>	
MG&E-UNITS	2,363,999.64
MG&E-COST	23,640.00
WPPI ENERGY-UNITS	1,950,300.00
WPPI ENERGY-COST	63,130.44
WE ENERGY-UNITS	1,146,540.36
WE ENERGY-COST	21,463.22
WPS-UNITS	3,756,325.07
WPS-COST	210,265.82
TOTAL UNITS	9,217,165.07
TOTAL COST	\$ 318,499.48
COST PER UNIT	\$ 0.0346
<b>DEPT OF CORRECTIONS - 10.16%</b>	
MG&E-UNITS	4,063,999.59
MG&E-COST	40,640.00
WPPI ENERGY-UNITS	3,352,800.00
WPPI ENERGY-COST	108,528.78
WE ENERGY-UNITS	1,971,040.41
WE ENERGY-COST	36,897.86
WPS-UNITS	6,457,574.08
WPS-COST	361,472.22
TOTAL UNITS	15,845,414.08
TOTAL COST	\$ 547,538.86
COST PER UNIT	\$ 0.0346
<b>DEPT OF HEALTH SERVICES - 4.32%</b>	
MG&E-UNITS	1,727,999.83
MG&E-COST	17,280.00
WPPI ENERGY-UNITS	1,425,600.00
WPPI ENERGY-COST	46,146.09
WE ENERGY-UNITS	838,080.17
WE ENERGY-COST	15,688.89
WPS-UNITS	2,745,740.16
WPS-COST	153,696.85
TOTAL UNITS	6,737,420.16
TOTAL COST	\$ 232,811.83
COST PER UNIT	\$ 0.0346
<b>DEPT OF PUBLIC INSTR - 0.26%</b>	
MG&E-UNITS	103,999.99
MG&E-COST	1,040.00
WPPI ENERGY-UNITS	85,800.00
WPPI ENERGY-COST	2,777.31
WE ENERGY-UNITS	50,440.01
WE ENERGY-COST	944.26
WPS-UNITS	162,652.88
WPS-COST	9,250.27

**RENEWABLE ENERGY USAGE (07/01/2016 - 06/30/2017)**

UNIT=KWH

FACILITY	TOTAL
TOTAL UNITS	402,892.88
TOTAL COST	\$ 14,011.84
COST PER UNIT	\$ 0.0348
<b>DEPT OF VETERANS AFFAIR - 1.03%</b>	
MG&E-UNITS	411,999.96
MG&E-COST	4,120.00
WPPI ENERGY-UNITS	339,900.00
WPPI ENERGY-COST	11,002.44
WE ENERGY-UNITS	199,820.04
WE ENERGY-COST	3,740.64
WPS-UNITS	644,355.64
WPS-COST	36,645.32
TOTAL UNITS	1,596,075.64
TOTAL COST	\$ 55,508.39
COST PER UNIT	\$ 0.0348
<b>UW SYSTEM - 78.32%</b>	
MG&E-UNITS	31,327,996.87
MG&E-COST	313,279.97
WPPI ENERGY-UNITS	25,845,600.00
WPPI ENERGY-COST	836,611.61
WE ENERGY-UNITS	15,194,083.13
WE ENERGY-COST	284,433.26
WPS-UNITS	48,212,852.16
WPS-COST	2,786,466.96
TOTAL UNITS	120,580,532.16
TOTAL COST	\$ 4,220,791.79
COST PER UNIT	\$ 0.0350
<b>TOTAL</b>	
MG&E-UNITS	39,999,995.88
MG&E-COST	399,999.96
WPPI ENERGY-UNITS	33,000,000.00
WPPI ENERGY-COST	1,068,196.67
WE ENERGY-UNITS	19,400,004.12
WE ENERGY-COST	363,168.12
WPS-UNITS	61,979,499.99
WPS-COST	3,557,797.44
TOTAL UNITS	154,379,499.99
TOTAL COST	\$ 5,389,162.19
COST PER UNIT	\$ 0.0349

FY2017 Agencies Analysis.xlsx - FY2017 Facility Allocations

Agency	Facility	FY2017 kwh	FY2017 % Total kwh	FY2017 Allocated Units*	% Allocated Units	FY2017 Allocated Cost	Cost per Unit	% Renewables
DHS	Sand Ridge	4,476,698	0.46%	655,743	0.42%	\$ 22,659	\$ 0.0346	14.65%
DHS	Southern Center	11,993,144	1.23%	1,756,745	1.14%	\$ 60,704	\$ 0.0346	14.65%
DHS	Mendota	14,491,034	1.48%	2,122,633	1.37%	\$ 73,348	\$ 0.0346	14.65%
DHS	Winnebago	10,144,370	1.04%	1,485,938	0.96%	\$ 51,347	\$ 0.0346	14.65%
DHS	Northern Center	4,890,543	0.50%	716,362	0.46%	\$ 24,754	\$ 0.0346	14.65%
<b>DHS Total</b>	<b>DEPT OF HEALTH SERVICES - 4.32%</b>	<b>45,995,789</b>	<b>4.71%</b>	<b>6,737,420</b>	<b>4.36%</b>	<b>\$ 232,812</b>	<b>\$ 0.0346</b>	<b>14.65%</b>
DOA	State Hygiene Lab	6,974,284	0.71%	1,198,367	0.78%	\$ 41,410	\$ 0.0346	17.18%
DOA	Public Broadcasting	1,536,361	0.16%	263,988	0.17%	\$ 9,122	\$ 0.0346	17.18%
DOA	SE Crime Lab	1,335,229	0.14%	229,428	0.15%	\$ 7,928	\$ 0.0346	17.18%
DOA	Hill Farms	9,977,514	1.02%	1,714,402	1.11%	\$ 59,241	\$ 0.0346	17.18%
DOA	Waukesha SOB	1,995,535	0.20%	342,886	0.22%	\$ 11,848	\$ 0.0346	17.18%
DOA	Capitol Complex	23,339,591	2.39%	4,010,361	2.60%	\$ 138,578	\$ 0.0346	17.18%
DOA	Badger Road	587,170	0.06%	100,891	0.07%	\$ 3,486	\$ 0.0346	17.18%
DOA	Milwaukee SOB	2,205,092	0.23%	378,893	0.25%	\$ 13,093	\$ 0.0346	17.18%
DOA	State Revenue	2,621,440	0.27%	450,433	0.29%	\$ 15,565	\$ 0.0346	17.18%
DOA	Executive Residence	256,049	0.03%	43,996	0.03%	\$ 1,520	\$ 0.0346	17.18%
DOA	State Ag	1,132,863	0.12%	194,656	0.13%	\$ 6,726	\$ 0.0346	17.18%
DOA	La Crosse SOB	377,644	0.04%	64,889	0.04%	\$ 2,242	\$ 0.0346	17.18%
DOA	WI Rapids SOB	355,029	0.04%	61,003	0.04%	\$ 2,108	\$ 0.0346	17.18%
DOA	Green Bay SOB	511,869	0.05%	87,953	0.06%	\$ 3,039	\$ 0.0346	17.18%
DOA	Eau Claire SOB	353,318	0.04%	60,709	0.04%	\$ 2,098	\$ 0.0346	17.18%
DOA	Air Services	83,280	0.01%	14,310	0.01%	\$ 494	\$ 0.0346	17.18%
<b>DOA Total</b>	<b>DEPT OF ADMINISTRATION - 5.91%</b>	<b>53,642,268</b>	<b>5.49%</b>	<b>9,217,165</b>	<b>5.97%</b>	<b>\$ 318,499</b>	<b>\$ 0.0346</b>	<b>17.18%</b>
DOC	Boscobel	3,775,158	0.39%	619,856	0.40%	\$ 21,419	\$ 0.0346	16.42%
DOC	New Lisbon	5,851,200	0.60%	960,728	0.62%	\$ 33,198	\$ 0.0346	16.42%
DOC	Racine	7,235,929	0.74%	1,188,092	0.77%	\$ 41,055	\$ 0.0346	16.42%
DOC	Stanley	6,300,777	0.64%	1,034,546	0.67%	\$ 35,749	\$ 0.0346	16.42%
DOC	Redgranite	4,739,860	0.48%	778,254	0.50%	\$ 26,893	\$ 0.0346	16.42%
DOC	Columbia	4,892,287	0.50%	803,281	0.52%	\$ 27,757	\$ 0.0346	16.42%
DOC	Sturtevant	1,300,923	0.13%	213,603	0.14%	\$ 7,381	\$ 0.0346	16.42%
DOC	Jackson	5,271,300	0.54%	865,513	0.56%	\$ 29,908	\$ 0.0346	16.42%
DOC	Kettle Moraine	4,592,640	0.47%	754,081	0.49%	\$ 26,057	\$ 0.0346	16.42%
DOC	Waupun	15,187,924	1.55%	2,493,756	1.62%	\$ 86,172	\$ 0.0346	16.42%
DOC	Lincoln Hills	2,730,000	0.28%	448,248	0.29%	\$ 15,489	\$ 0.0346	16.42%

FY2017 Agencies Analysis.xlsx - FY2017 Facility Allocations

Agency	Facility	FY2017 kwh	FY2017 % Total kwh	FY2017 Allocated Units*	% Allocated Units	FY2017 Allocated Cost	Cost per Unit	% Renewables
DOC	Fox Lake	5,813,060	0.59%	954,466	0.62%	\$ 32,982	\$ 0.0346	16.42%
DOC	Milwaukee Secure	4,463,054	0.46%	732,804	0.47%	\$ 25,322	\$ 0.0346	16.42%
DOC	Oshkosh	9,439,230	0.97%	1,549,859	1.00%	\$ 53,555	\$ 0.0346	16.42%
DOC	Racine Youth	2,053,425	0.21%	337,159	0.22%	\$ 11,651	\$ 0.0346	16.42%
DOC	Green Bay	4,353,418	0.45%	714,802	0.46%	\$ 24,700	\$ 0.0346	16.42%
DOC	Taycheedah	3,580,033	0.37%	587,818	0.38%	\$ 20,312	\$ 0.0346	16.42%
DOC	Oakhill	3,171,154	0.32%	520,682	0.34%	\$ 17,992	\$ 0.0346	16.42%
DOC	Prairie du Chien	1,753,218	0.18%	287,867	0.19%	\$ 9,947	\$ 0.0346	16.42%
<b>DOC Total</b>	<b>DEPT OF CORRECTIONS - 10.16%</b>	<b>96,504,589</b>	<b>9.87%</b>	<b>15,845,414</b>	<b>10.26%</b>	<b>\$ 547,539</b>	<b>\$ 0.0346</b>	<b>16.42%</b>
DPI	Delavan	1,701,570	0.17%	260,889	0.17%	\$ 9,073	\$ 0.0348	15.33%
DPI	Janesville	926,182	0.09%	142,004	0.09%	\$ 4,939	\$ 0.0348	15.33%
<b>DPI Total</b>	<b>DEPT OF PUBLIC INSTR - 0.26%</b>	<b>2,627,752</b>	<b>0.27%</b>	<b>402,893</b>	<b>0.26%</b>	<b>\$ 14,012</b>	<b>\$ 0.0348</b>	<b>15.33%</b>
DVA	King	10,065,736	1.03%	1,596,076	1.03%	\$ 55,508	\$ 0.0348	15.86%
<b>DVA Total</b>	<b>DEPT OF VETERANS AFFAIR - 1.03%</b>	<b>10,065,736</b>	<b>1.03%</b>	<b>1,596,076</b>	<b>1.03%</b>	<b>\$ 55,508</b>	<b>\$ 0.0348</b>	<b>15.86%</b>
UW	Madison	459,945,182	47.06%	72,168,456	46.75%	\$ 2,526,179	\$ 0.0350	15.69%
UW	Milwaukee	64,757,083	6.63%	10,160,817	6.58%	\$ 355,668	\$ 0.0350	15.69%
UW	Whitewater	33,098,424	3.39%	5,193,363	3.36%	\$ 181,788	\$ 0.0350	15.69%
UW	Green Bay	15,340,321	1.57%	2,406,998	1.56%	\$ 84,254	\$ 0.0350	15.69%
UW	Parkside	13,833,987	1.42%	2,170,644	1.41%	\$ 75,981	\$ 0.0350	15.69%
UW	Sheboygan	2,050,873	0.21%	321,796	0.21%	\$ 11,264	\$ 0.0350	15.69%
UW	Richland	1,030,560	0.11%	161,702	0.10%	\$ 5,660	\$ 0.0350	15.69%
UW	Marshfield	1,410,830	0.14%	221,369	0.14%	\$ 7,749	\$ 0.0350	15.69%
UW	Superior	10,226,990	1.05%	1,604,683	1.04%	\$ 56,170	\$ 0.0350	15.69%
UW	Fox Valley	2,495,881	0.26%	391,620	0.25%	\$ 13,708	\$ 0.0350	15.69%
UW	La Crosse	27,397,854	2.80%	4,298,905	2.78%	\$ 150,479	\$ 0.0350	15.69%
UW	Stevens Point	23,848,500	2.44%	3,741,988	2.42%	\$ 130,984	\$ 0.0350	15.69%
UW	Stout	21,686,122	2.22%	3,402,697	2.20%	\$ 119,108	\$ 0.0350	15.69%
UW	Platteville	19,659,718	2.01%	3,084,740	2.00%	\$ 107,978	\$ 0.0350	15.69%
UW	Eau Claire	21,683,025	2.22%	3,402,211	2.20%	\$ 119,091	\$ 0.0350	15.69%
UW	Oshkosh	26,393,925	2.70%	4,141,382	2.68%	\$ 144,965	\$ 0.0350	15.69%
UW	Waukesha	2,183,494	0.22%	342,605	0.22%	\$ 11,993	\$ 0.0350	15.69%
UW	Marathon	2,364,281	0.24%	370,971	0.24%	\$ 12,985	\$ 0.0350	15.69%
UW	River Falls	12,503,596	1.28%	1,961,897	1.27%	\$ 68,674	\$ 0.0350	15.69%
UW	Manitowoc	880,019	0.09%	138,081	0.09%	\$ 4,833	\$ 0.0350	15.69%

FY2017 Agencies Analysis.xlsx - FY2017 Facility Allocations

Agency	Facility	FY2017 kwh	FY2017 % Total kwh	FY2017 Allocated Units*	% Allocated Units	FY2017 Allocated Cost	Cost per Unit	% Renewables
UW	Baraboo	1,158,000	0.12%	181,698	0.12%	\$ 6,360	\$ 0.0350	15.69%
UW	Marinette	665,296	0.07%	104,389	0.07%	\$ 3,654	\$ 0.0350	15.69%
UW	Washington	1,137,616	0.12%	178,500	0.12%	\$ 6,248	\$ 0.0350	15.69%
UW	Fond du Lac	1,059,882	0.11%	166,303	0.11%	\$ 5,821	\$ 0.0350	15.69%
UW	Barron	769,880	0.08%	120,799	0.08%	\$ 4,228	\$ 0.0350	15.69%
UW	Rock	904,480	0.09%	141,919	0.09%	\$ 4,968	\$ 0.0350	15.69%
<b>UW Total</b>	<b>UW SYSTEM - 78.32%</b>	<b>768,485,819</b>	<b>78.63%</b>	<b>120,580,532</b>	<b>78.11%</b>	<b>\$ 4,220,792</b>	<b>\$ 0.0350</b>	<b>15.69%</b>
<b>Grand Total</b>	<b>TOTAL</b>	<b>977,321,952</b>	<b>100.00%</b>	<b>154,379,500</b>	<b>100.00%</b>	<b>\$ 5,389,162</b>	<b>\$ 0.0349</b>	<b>15.80%</b>
<b>Grand Total</b>	<b>Check Totals</b>	<b>977,321,952</b>		<b>154,379,500</b>	<b>100.00%</b>	<b>\$ 5,389,162</b>	<b>\$ 0.0349</b>	<b>15.80%</b>
	<b>Discrepancies</b>	<b>-</b>	<b>1</b>	<b>-</b>		<b>-</b>	<b>-</b>	<b>-</b>

\*FY2017 Agency Allocations based on Calendar Year 2016 kwh w/Cogen-Sales and facility allocations based on FY2017 kwh.