



# Energy Use in State Facilities

## Fiscal Year 2014 Report

Facilities include:

University of Wisconsin System

Department of Administration

Department of Corrections

Department of Health Services

Department of Veterans Affairs

Department of Public Instruction

Department of Natural Resources

Department of Transportation

State Fair Park

Wisconsin Housing and Economic Development Authority

Department of Military Affairs

State of Wisconsin  
Department of Administration

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Energy Use in State-Owned Facilities

University of Wisconsin System  
Department of Administration  
Department of Corrections  
Department of Health Services  
Department of Public Instruction  
Department of Veterans Affairs  
Department of Natural Resources  
Department of Transportation  
Wisconsin Housing and Economic Development Authority  
State Fair Park  
Department of Military Affairs

Report for Fiscal Year 2014  
November 13, 2015

# Acknowledgements

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- University of Wisconsin System
- Department of Administration
- Department of Corrections
- Department of Health Services
- Department of Public Instruction
- Department of Veterans Affairs
- Department of Natural Resources
- Department of Transportation
- Wisconsin Housing & Economic Development Authority (WHEDA)
- State Fair Park
- Department of Military Affairs

Agency and facility energy coordinators deserve special mention not only for supplying needed data, but more importantly, for being personally involved in the energy conservation programs that have achieved the results documented on the following pages.

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Energy information was compiled and report prepared by Innovative Business Engineering, McFarland, Wisconsin.

# Table of Contents

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Executive Summary .....4

Introduction.....5

Statewide Energy Use Summary .....6

Agency Energy Use Summaries .....9

    University of Wisconsin System (UWS) ..... 9

    Department of Administration (DOA) ..... 25

    Department of Corrections (DOC) ..... 37

    Department of Health Services (DHS) ..... 50

    Department of Public Instruction (DPI) ..... 56

    Department of Veterans Affairs (DVA) ..... 60

    Department of Natural Resources (DNR) ..... 64

    Department of Transportation (DOT) ..... 70

    Wisconsin Housing and Economic Development Authority (WHEDA) ..... 77

    State Fair Park (SFP) ..... 80

    Department of Military Affairs (DMA) ..... 84

Facilities Energy Use Performance ..... 88

Key..... 91

Appendix A - Weather Adjustments and Degree Days for Selected Locations ..... 92

Appendix B - Historical Degree Days Data for Regional Stations..... 97

Appendix C - Historical Statewide Consumption Data ..... 99

# Executive Summary

Wisconsin's efforts to reduce energy consumption and costs in state-owned facilities began as a result of the rapid energy cost increases following the first Middle East oil embargo in 1973. Energy conservation and energy management efforts have received continued support from the Governor, the State Building Commission and the Wisconsin Legislature. The rate of annual energy use in state facilities has been reduced 28 percent since 1973.

This report refers to Fiscal Year 2005 (FY2005 or FY05) as a baseline comparison year and adjusted for weather to reflect renewed energy conservation efforts as part of the Wisconsin Act 141 and the Energy Bond Fund Program. The FY2014 rate of annual energy use in state facilities was 17.0 percent less than FY2005 baseline when adjusted for weather with very significant positive results:

Agency	FY05 Base Btu/GSF/Yr	FY14 Weather Adjusted Btu/GSF/Yr	FY14 % Change from FY05 Base
University of Wisconsin System	210,471	171,799	-18.4%
Department of Administration	157,840	109,776	-30.5%
Department of Corrections	178,066	165,285	-7.2%
Department of Health Services	205,480	174,618	-15.0%
Department of Public Instruction	98,001	99,836	1.9%
Department of Veterans Affairs	197,411	174,574	-11.6%
Department of Natural Resources	90,938	79,073	-13.0%
Department of Transportation	119,148	91,584	-23.1%
Wisconsin Housing and Economic Development Authority	88,411	94,547	6.9%
State Fair Park	59,100	29,201	-50.6%
Department of Military Affairs	75,534	68,576	-9.2%
Statewide Totals	193,801	160,886	-17.0%

The success of the state's energy and fuel management efforts are directly dependent on efforts of the many people who operate and maintain the central plants and distribution systems, as well as those managers and occupants of individual buildings. The Wisconsin Department of Administration has the lead role in developing and overseeing these efforts.

## ENERGY EXPENDITURES INCREASE DESPITE CONSERVATION EFFORTS

Energy expenditures in Wisconsin State Government facilities totaled \$205 million in FY2014, including sewer and water utilities. This total includes all buildings (not just those represented in this report) and includes expenditures for electricity, natural gas, solid fuels, propane and fuel oil. The FY2014 energy expenditures represented a 32 percent increase over FY2005 that can be attributed to the increase in building area gross square footage by 13.3 percent from the base year, FY2005. In addition, electrical energy unit costs (\$/kwh) increased approximately 50 percent and unit coal energy costs (\$/MMBtu) have increased over 70 percent since FY2005. In the past, volatile natural gas markets also contributed to energy expenditure increase until FY2010 and in FY2013 unit gas costs (\$/MMBtu) were actually 32.5 percent lower than FY2005. With lower natural gas costs and elimination of coal use at UW-Madison, coal use has decreased by 86% at state-owned heating plants with lower overall fuel and operating costs.

# Introduction

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## BACKGROUND

This report presents total energy consumption for the largest State of Wisconsin owned and operated facilities. These facilities account for the majority of energy consumed in buildings owned by the State of Wisconsin. Statewide, agency, and individual facility energy consumption totals are presented. Values for each agency reflect buildings owned but not necessarily occupied by that agency. Agencies addressed in this report include the following: Department of Public Instruction (DPI), University of Wisconsin System (UWS), Department of Health Services (DHS), Department of Corrections (DOC), Department of Veterans Affairs (DVA), Department of Administration (DOA), Department of Natural Resources (DNR); Department of Transportation (DOT); Wisconsin Housing and Economic Development Authority (WHEDA); State Fair Park (SFP); and Department of Military Affairs (DMA).

Providing detailed facility level data proved to be a challenge. In many cases, accounting systems did not readily lend themselves to compiling the required data. DOA will continue to work to expand the detail and completeness of future reports. Buildings not included in this report are thousands of other smaller facilities ranging from utility buildings, comfort stations to park offices and farm buildings.

## ENERGY USE MEASUREMENT

Two common ways to account for energy use are end-use energy consumption and resource energy consumption. End-use consumption refers to the energy content of fuel, steam, or electricity at the point of use by the consumer. Resource energy consumption is equal to end-use consumption plus all energy used in the production and transportation of the fuel, steam or electricity. This report is based on end-use energy consumption to coincide with reports from other sources.

State monitored energy consumption is broken down into two categories:

- 1) **Electricity**, which represents total purchased and central plant co-generated electricity; and
- 2) **Thermal or Fossil Fuel**, which includes coal, gas, oil, purchased steam and renewable wood/paper fuel pellets used in central plants or in building boilers to generate steam and other resources such as hot water, chilled water, electricity, and compressed air.

Energy consumption in these categories is monitored through coordination of monthly billings and fuel consumption reports.

All forms of energy consumption are converted to units of Btu/GSF/year. The conversion also removes any variation in energy use over time caused by changes in the size of an individual facility. Electricity consumption is converted from metered kWh to Btu/GSF/Year by multiplying the total fiscal year metered kWh of electricity by 3,413 (Btu/kwh standard conversion factor), and then dividing the resulting number by the gross square footage (GSF) of serviced building area. Fossil fuel energy use is converted to units of Btu/GSF/Year by dividing the Btu value of the fossil fuel category energy consumption by the gross square footage of serviced building area.

## WEATHER FACTORS AFFECTING ENERGY USE

Weather has a significant impact upon energy consumption and should be considered when evaluating efficiencies. Annual heating and cooling degree days can change dramatically from location to location and year to year. Such changes can significantly impact the demand upon heating and cooling systems of a facility. Appendix A and Appendix B present weather adjustments and degree days for selected Wisconsin locations.

# Statewide Energy Use Summary

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## SCOPE

Includes the major facilities in eleven state agencies. Agencies and facilities are discussed individually in this report.

## ENERGY CONSUMPTION

**Total Change from Base - Weather Adjusted: 17 percent decrease.**

Energy use (BTU/GSF/Yr) for FY14 was 17 percent lower than in the base fiscal year, FY05.

**Latest Year Change - Weather Adjusted: 0.5 percent decrease.**

Energy use (BTU/GSF/Yr) for FY14 decreased 0.5 percent from the previous fiscal year.

**Average Annual Change - Weather Adjusted: 1.9 percent decrease per year.**

On average, energy use (BTU/GSF/Yr) has decreased 1.9 percent since the base year, FY05.

## GSF AND CONSUMPTION STATISTICS

**GSF Change from Base: 13.2 percent Increase.**

Gross square footage has increased 13.2% from the base fiscal year, FY05.

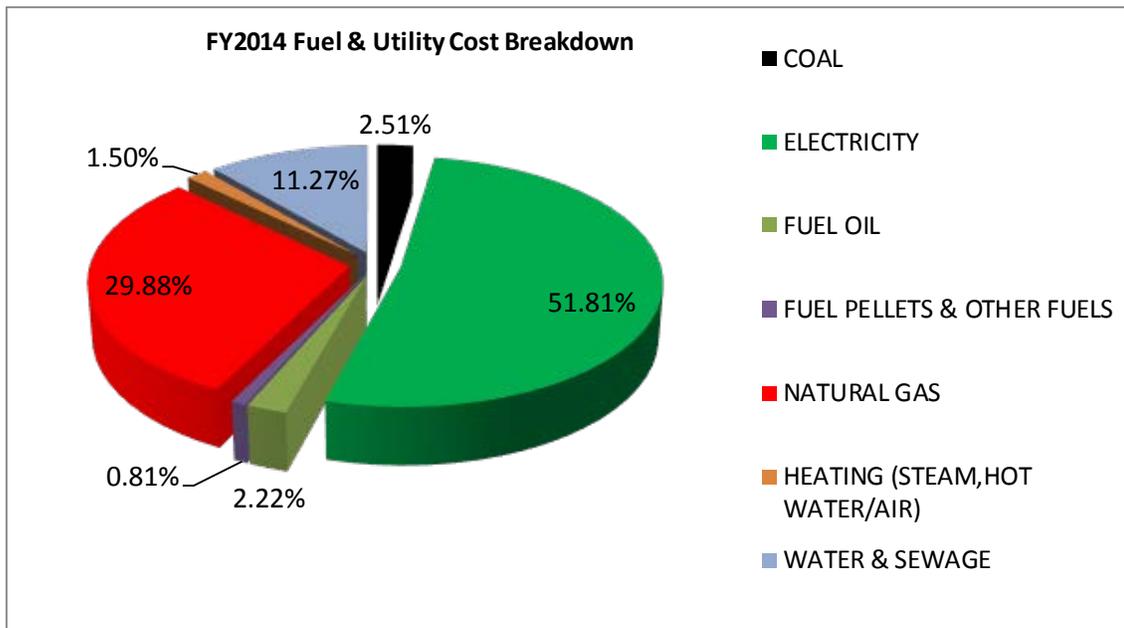
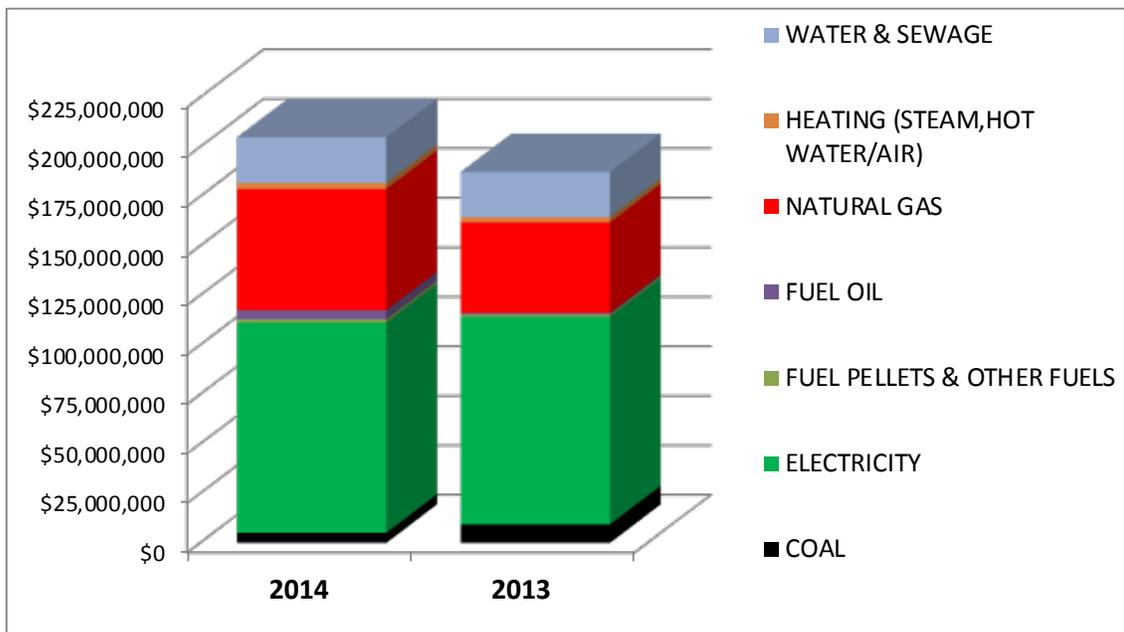
**Consumption Change from Base: 1.9 percent increase.**

Total consumption was 1.9 percent greater when compared to FY05. Total energy (million BTU) purchases in FY14 were 6 percent less than in the base year when adjusted for weather compared to FY05.

### Statewide Facilities Energy Expenditures

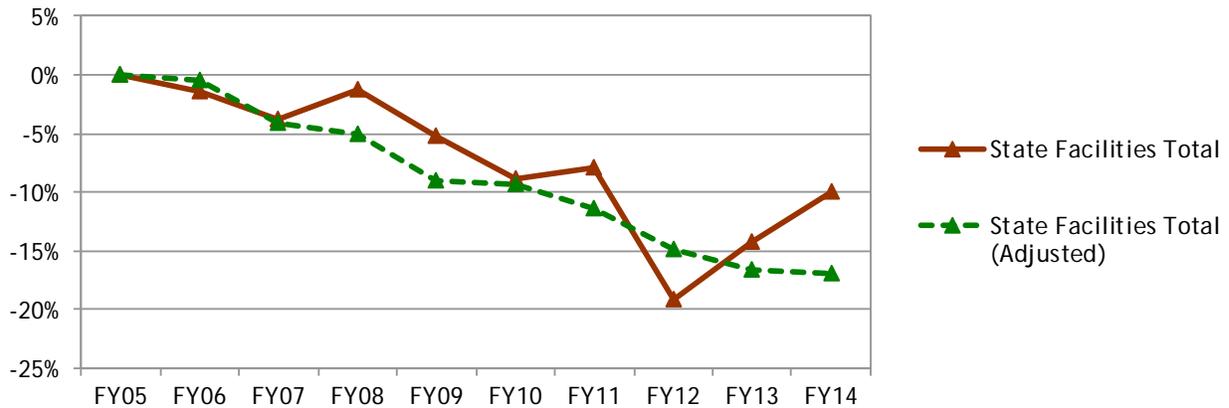
#### Category Name: Fuel and Utilities

Subcategory Code	Subcategory Name	Fiscal Year 2014	Fiscal Year 2013
3600	COAL	\$ 5,138,492	\$ 9,411,810
2500	ELECTRICITY	\$ 106,205,379	\$ 104,862,995
3610	FUEL OIL	\$ 4,551,195	\$ 802,451
3620	FUEL PELLETS & OTHER FUELS	\$ 1,666,060	\$ 1,182,161
2510	NATURAL GAS	\$ 61,237,263	\$ 45,662,684
2520	HEATING (STEAM,HOT WATER/AIR)	\$ 3,081,998	\$ 2,727,261
2530	COOLING (CHILLED WATER/AIR)	\$ 85,019	\$ 86,884
2540	WATER & SEWAGE	\$ 23,097,161	\$ 22,733,651
<b>Total:</b>		<b>\$ 205,062,568</b>	<b>\$ 187,469,897</b>

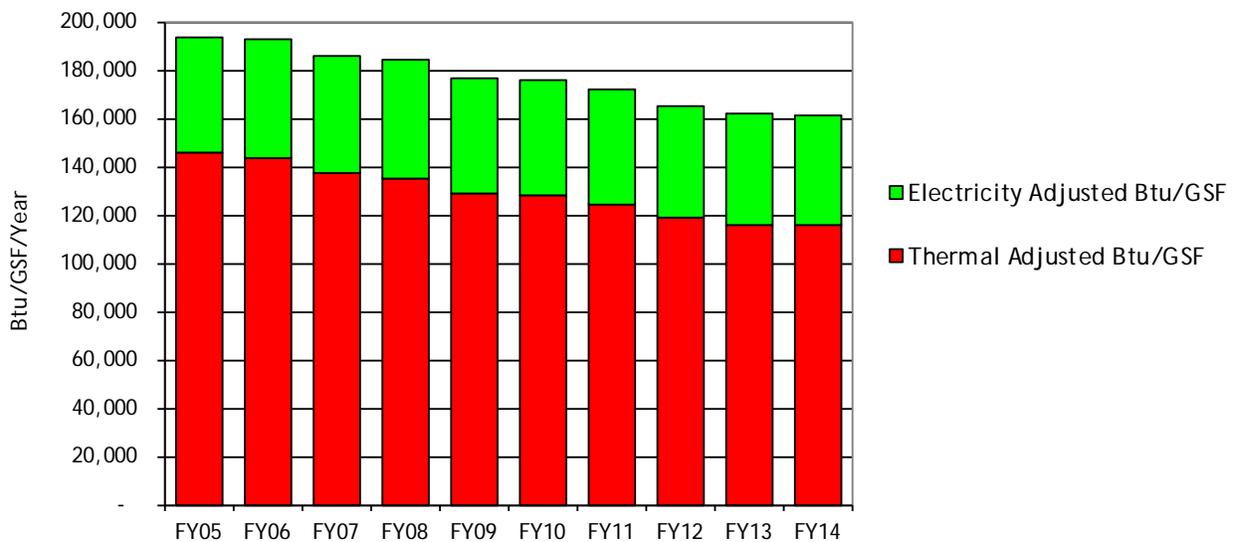


Wisconsin State Facilities State Facilities Total									
Fiscal Year	GSF	BTU/GSF				Weather-Adjusted			
		Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
<b>FY05</b>	68,674,096	145,668	48,133	193,801	0.0%	100.0%	100.0%	193,801	0.0%
<b>FY06</b>	69,574,059	141,777	49,297	191,074	-1.4%	101.5%	99.4%	192,842	-0.5%
<b>FY07</b>	70,789,854	137,685	48,798	186,483	-3.8%	99.5%	100.2%	185,893	-4.1%
<b>FY08</b>	71,910,379	142,639	48,862	191,501	-1.2%	94.8%	99.7%	183,877	-5.1%
<b>FY09</b>	72,620,055	135,967	47,630	183,598	-5.3%	94.6%	100.2%	176,338	-9.0%
<b>FY10</b>	72,443,564	129,258	47,270	176,528	-8.9%	99.2%	100.3%	175,678	-9.4%
<b>FY11</b>	73,352,275	130,359	48,172	178,530	-7.9%	95.2%	99.3%	171,873	-11.3%
<b>FY12</b>	75,380,666	109,384	47,393	156,777	-19.1%	108.5%	97.8%	165,076	-14.8%
<b>FY13</b>	76,603,150	120,367	45,857	166,224	-14.2%	96.3%	99.8%	161,691	-16.6%
<b>FY14</b>	77,770,528	129,022	45,338	174,360	-10.0%	89.7%	99.5%	160,886	-17.0%

Percent Change from Base (BTU/GSF)



Wisconsin State Facilities Energy Usage (BTU/GSF)



# Agency Energy Use Summary

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## SCOPE

Includes 13-four year university campuses: Eau Claire; Green Bay; La Crosse; Madison; Milwaukee; Oshkosh; Parkside; Platteville; River Falls; Stevens Point; Stout; Superior; and Whitewater.

Also, includes 13 two-year college campuses: Baraboo/Sauk County; Barron County; Fond du Lac; Fox Valley; Manitowoc; Marathon County; Marinette; Marshfield/Wood County; Richland; Rock County; Sheboygan; Washington County; and Waukesha.

## ENERGY CONSUMPTION

**Total Change from Base - Weather Adjusted: 18.4 percent decrease.**

Energy use (BTU/GSF/Yr) for FY14 was 18.4 percent lower than in the base fiscal year, FY05.

**Latest Year Change - Weather Adjusted: 0.4 percent decrease.**

Energy use (BTU/GSF/Yr) for FY14 decreased 0.4 percent from the previous fiscal year.

***Average Annual Change - Weather Adjusted: 2 percent decrease per year.***

On average, energy use (BTU/GSF/Yr) has decreased 2 percent since the base year, FY05.

## GSF AND CONSUMPTION STATISTICS

***GSF Change from Base: 17.5 percent Increase.***

Gross square footage has increased 17.5% from the base fiscal year, FY05.

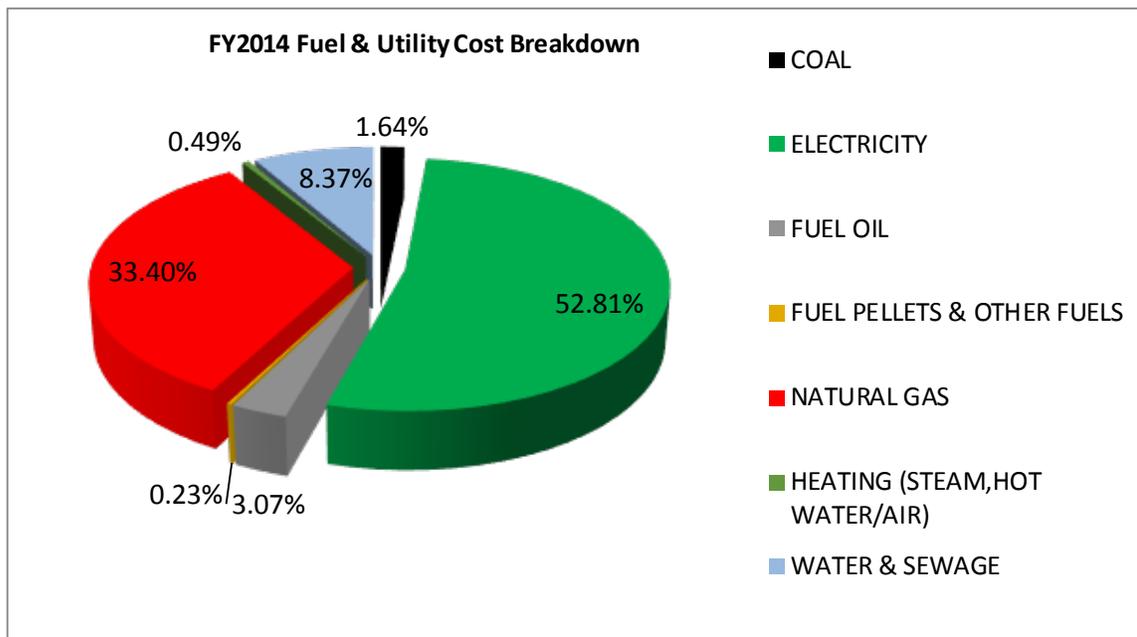
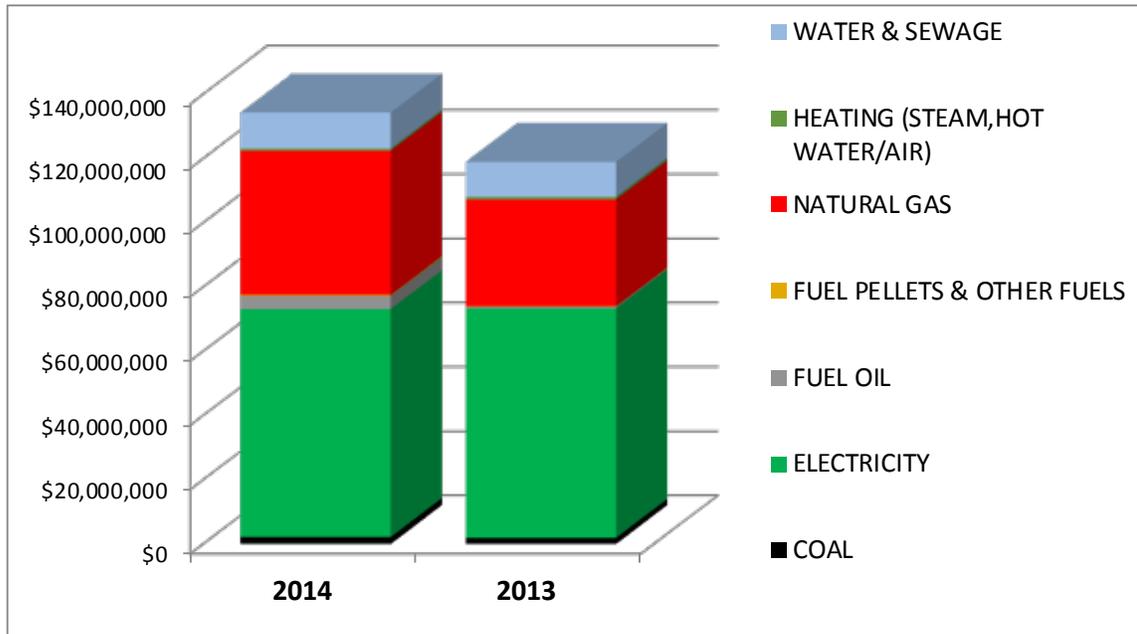
***Consumption Change from Base: 3.9 percent increase.***

Total consumption was 3.9 percent greater when compared to FY05. Total energy (million BTU) purchases in FY14 were 4.1 percent less than in the base year when adjusted for weather compared to FY05.

Agency Name: University of Wisconsin System (285)

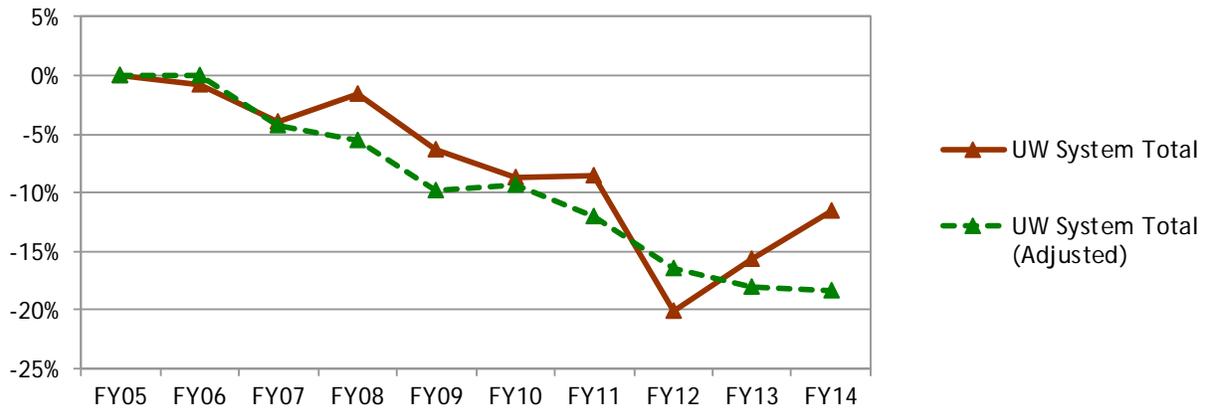
Category Name: Fuel and Utilities

Subcategory Code	Subcategory Name	Fiscal Year	
		2014	2013
3600	COAL	\$ 2,199,837	\$ 1,928,245
2500	ELECTRICITY	\$ 70,940,350	\$ 71,452,078
3610	FUEL OIL	\$ 4,119,186	\$ 456,205
3620	FUEL PELLETS & OTHER FUELS	\$ 304,984	\$ 193,237
2510	NATURAL GAS	\$ 44,858,638	\$ 33,201,249
2520	HEATING (STEAM,HOT WATER/AIR)	\$ 658,197	\$ 829,289
2540	WATER & SEWAGE	\$ 11,241,372	\$ 10,900,725
<b>Total:</b>		<b>\$ 134,322,565</b>	<b>\$ 118,961,028</b>

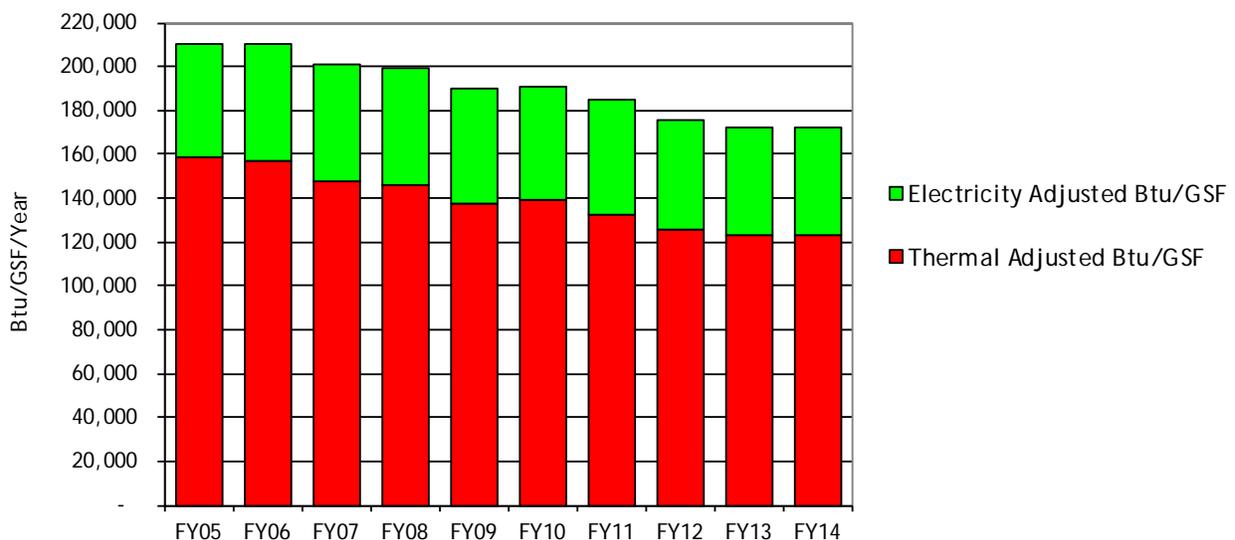


University of Wisconsin System UW - System Total									
Fiscal Year	GSF	BTU/GSF				Weather-Adjusted			
		Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
<b>FY05</b>	46,655,255	158,734	51,738	210,471	0.0%	100.0%	100.0%	210,471	0.0%
<b>FY06</b>	47,261,328	155,482	53,483	208,965	-0.7%	101.1%	99.6%	210,395	0.0%
<b>FY07</b>	48,307,694	149,168	53,040	202,207	-3.9%	99.3%	100.4%	201,334	-4.3%
<b>FY08</b>	49,502,098	154,251	52,855	207,106	-1.6%	94.7%	100.0%	198,974	-5.5%
<b>FY09</b>	50,134,229	145,610	51,598	197,207	-6.3%	94.7%	100.5%	189,694	-9.9%
<b>FY10</b>	49,843,245	140,322	51,801	192,124	-8.7%	99.1%	100.2%	190,903	-9.3%
<b>FY11</b>	50,695,697	139,852	52,787	192,639	-8.5%	94.9%	99.4%	185,190	-12.0%
<b>FY12</b>	52,550,736	116,534	51,681	168,214	-20.1%	107.6%	97.5%	175,816	-16.5%
<b>FY13</b>	53,733,978	127,749	49,690	177,439	-15.7%	96.2%	99.9%	172,525	-18.0%
<b>FY14</b>	54,819,116	137,248	48,942	186,190	-11.5%	89.6%	99.7%	171,799	-18.4%

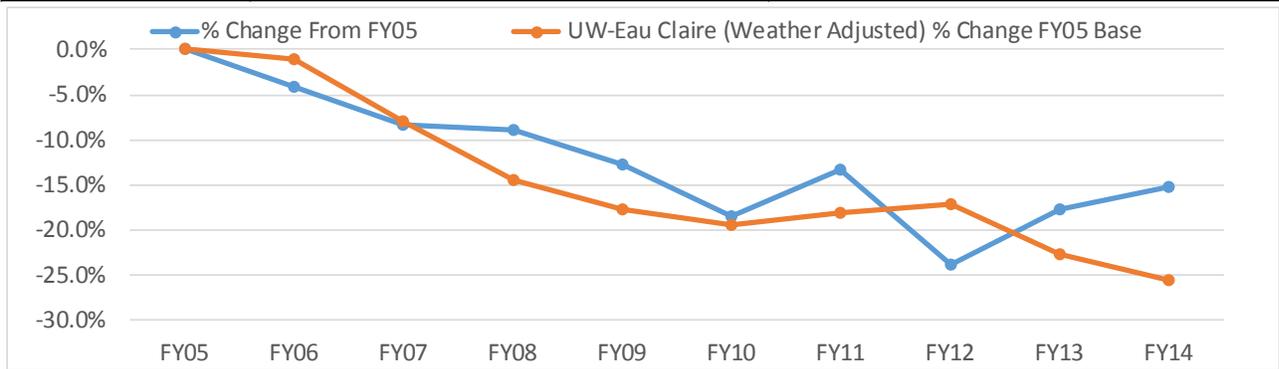
Percent Change from Base (BTU/GSF)



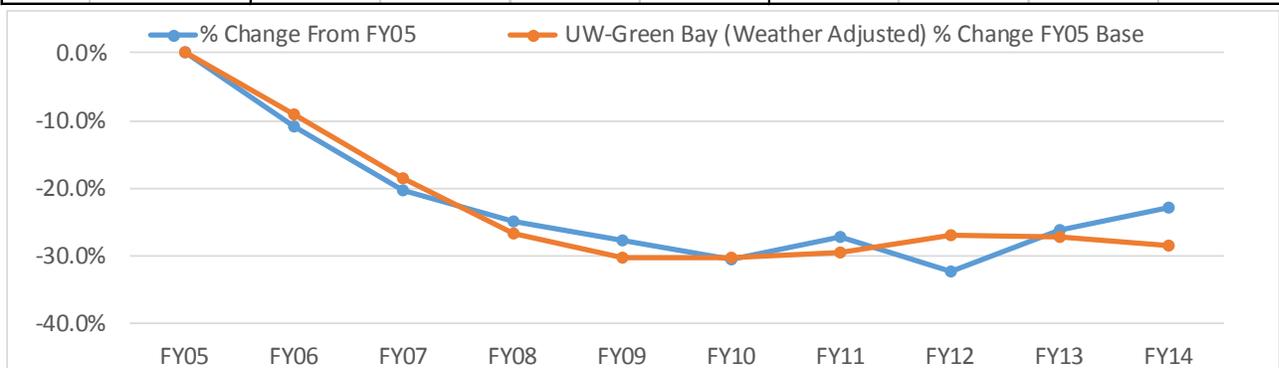
University of Wisconsin System Energy Usage (BTU/GSF)



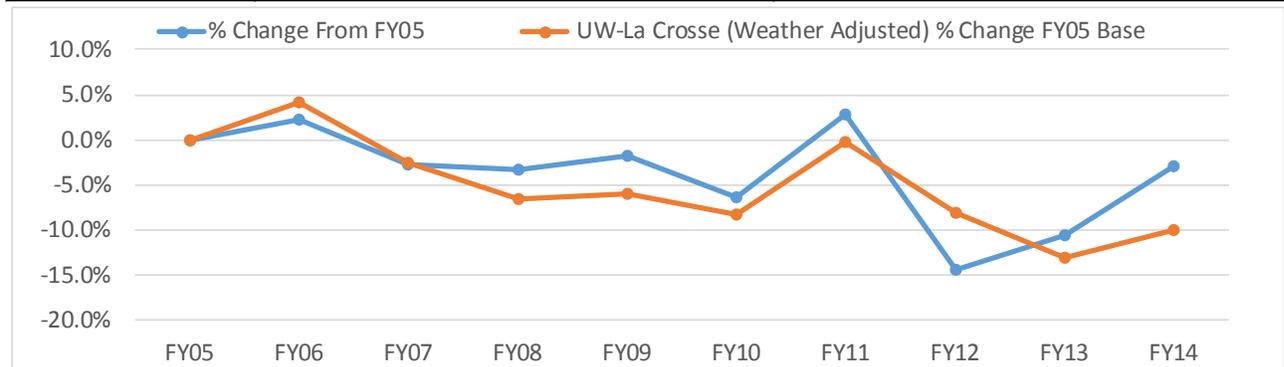
UW-Eau Claire		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	2,438,217	108,640	40,508	149,148	0.0%	100.0%	100.0%	149,148	0.0%
FY06	2,436,936	100,153	42,818	142,972	-4.1%	105.4%	98.5%	147,704	-1.0%
FY07	2,436,936	98,235	38,579	136,814	-8.3%	100.7%	99.5%	137,308	-7.9%
FY08	2,436,936	98,592	37,164	135,756	-9.0%	91.7%	99.7%	127,468	-14.5%
FY09	2,436,936	95,121	34,913	130,033	-12.8%	92.3%	100.3%	122,833	-17.6%
FY10	2,436,963	88,749	32,720	121,470	-18.6%	98.6%	100.1%	120,265	-19.4%
FY11	2,436,963	95,979	33,367	129,346	-13.3%	92.5%	99.8%	122,130	-18.1%
FY12	2,452,457	79,834	33,875	113,709	-23.8%	112.7%	99.3%	123,610	-17.1%
FY13	2,452,457	90,372	32,263	122,635	-17.8%	91.9%	100.0%	115,277	-22.7%
FY14	2,634,457	95,483	30,862	126,345	-15.3%	84.1%	99.3%	110,921	-25.6%



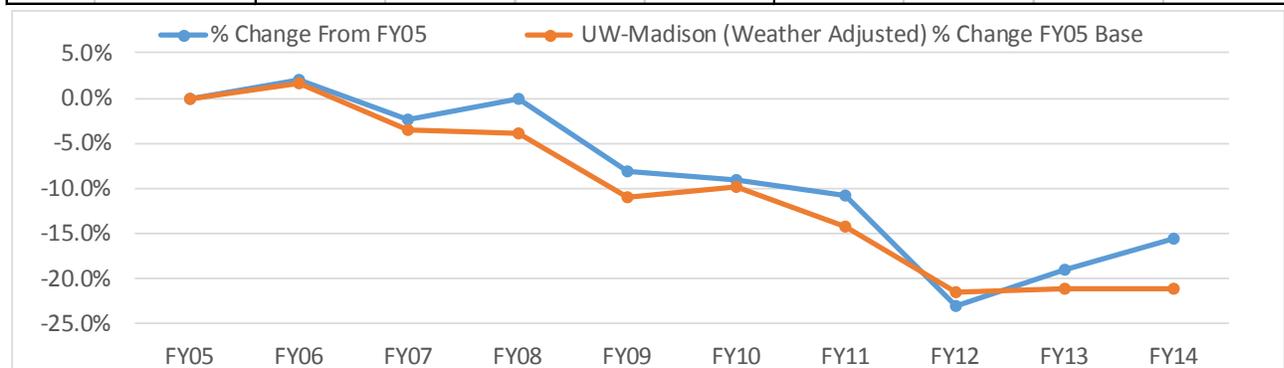
UW-Green Bay		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	1,157,746	120,311	54,211	174,522	0.0%	100.0%	100.0%	174,522	0.0%
FY06	1,179,796	103,003	52,689	155,692	-10.8%	103.3%	99.0%	158,555	-9.1%
FY07	1,179,796	89,260	49,961	139,222	-20.2%	103.6%	99.9%	142,415	-18.4%
FY08	1,386,055	85,323	45,712	131,035	-24.9%	96.5%	99.6%	127,858	-26.7%
FY09	1,386,055	82,101	44,231	126,332	-27.6%	93.9%	100.5%	121,566	-30.3%
FY10	1,386,055	79,218	42,285	121,502	-30.4%	100.3%	100.3%	121,870	-30.2%
FY11	1,386,055	84,331	42,679	127,010	-27.2%	95.6%	99.6%	123,122	-29.5%
FY12	1,386,055	75,586	42,479	118,065	-32.3%	113.1%	98.6%	127,353	-27.0%
FY13	1,386,055	86,895	41,790	128,685	-26.3%	98.4%	99.9%	127,268	-27.1%
FY14	1,386,055	94,549	40,324	134,874	-22.7%	89.5%	99.7%	124,830	-28.5%



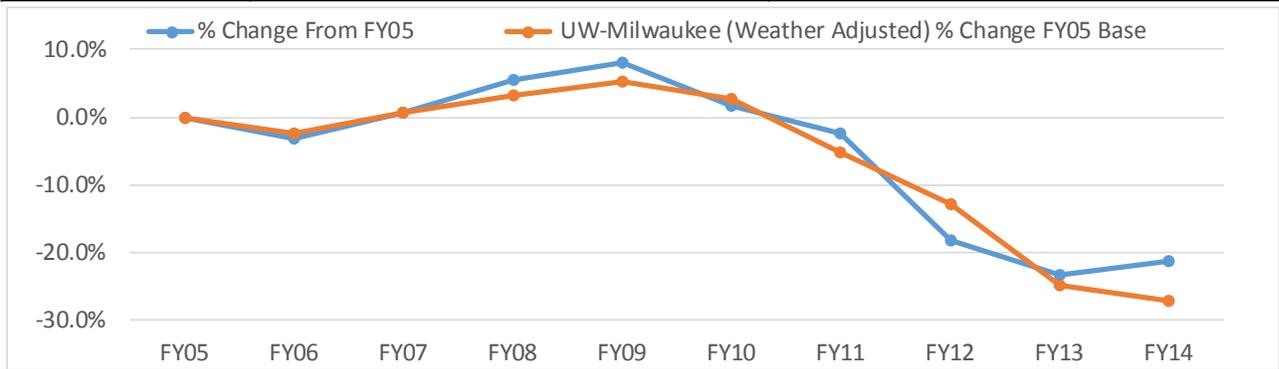
UW-La Crosse		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	2,260,874	111,932	38,509	150,442	0.0%	100.0%	100.0%	150,442	0.0%
FY06	2,206,741	112,859	41,060	153,918	2.3%	103.0%	98.1%	156,575	4.1%
FY07	2,371,272	106,564	39,666	146,230	-2.8%	100.8%	98.8%	146,586	-2.6%
FY08	2,371,272	107,435	38,037	145,472	-3.3%	95.3%	100.3%	140,478	-6.6%
FY09	2,371,272	109,799	37,932	147,731	-1.8%	94.2%	100.4%	141,521	-5.9%
FY10	2,261,088	105,044	35,731	140,775	-6.4%	97.3%	100.0%	137,967	-8.3%
FY11	2,261,088	114,130	40,565	154,696	2.8%	96.3%	99.2%	150,148	-0.2%
FY12	2,677,906	92,097	36,609	128,706	-14.4%	111.5%	97.6%	138,372	-8.0%
FY13	2,677,906	99,742	34,662	134,404	-10.7%	96.7%	99.5%	130,903	-13.0%
FY14	2,677,906	109,817	36,240	146,057	-2.9%	90.7%	99.0%	135,455	-10.0%



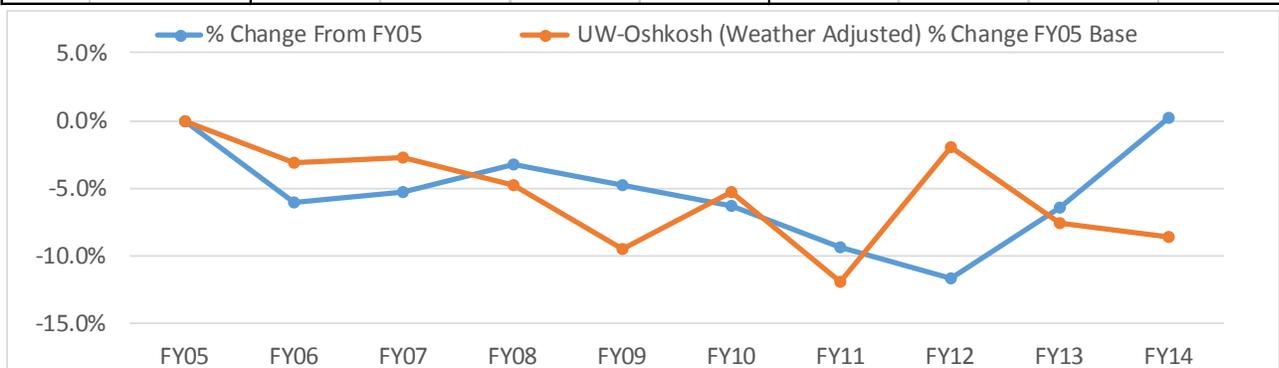
UW-Madison		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	19,207,711	234,605	69,296	303,901	0.0%	100.0%	100.0%	303,901	0.0%
FY06	19,361,692	237,118	73,047	310,165	2.1%	99.6%	99.8%	309,055	1.7%
FY07	19,913,817	223,761	72,862	296,622	-2.4%	98.1%	101.0%	293,160	-3.5%
FY08	20,578,984	230,671	72,889	303,560	-0.1%	94.9%	100.1%	291,935	-3.9%
FY09	20,979,443	208,281	70,800	279,080	-8.2%	95.6%	100.7%	270,348	-11.0%
FY10	20,678,457	204,247	72,052	276,299	-9.1%	98.8%	100.3%	274,182	-9.8%
FY11	21,120,379	197,142	74,196	271,338	-10.7%	94.9%	99.2%	260,721	-14.2%
FY12	22,153,550	161,419	72,316	233,735	-23.1%	104.5%	96.7%	238,578	-21.5%
FY13	22,362,671	176,628	69,711	246,339	-18.9%	96.3%	100.2%	239,945	-21.0%
FY14	23,070,777	188,158	68,630	256,788	-15.5%	91.0%	99.9%	239,776	-21.1%



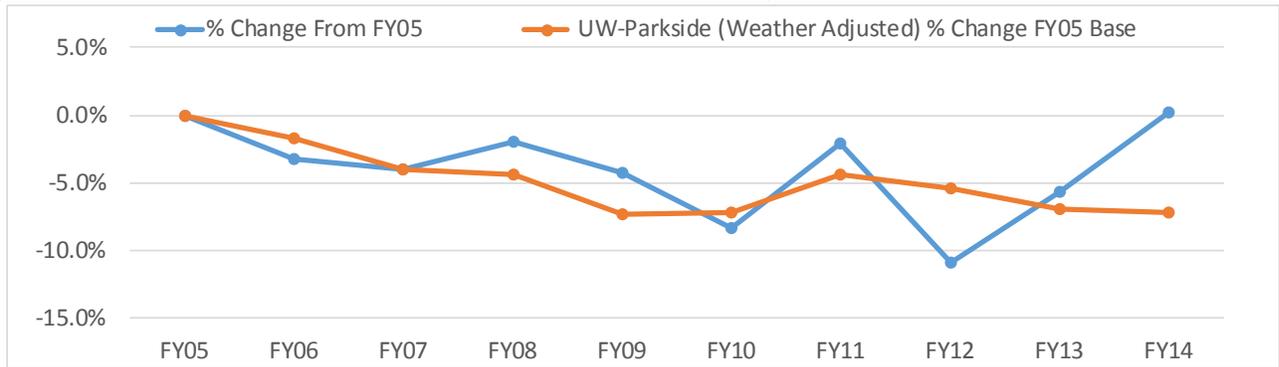
UW-Milwaukee		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	4,190,131	120,968	50,959	171,927	0.0%	100.0%	100.0%	171,927	0.0%
FY06	4,190,131	113,043	53,589	166,632	-3.1%	101.5%	99.0%	167,746	-2.4%
FY07	4,324,831	118,950	53,955	172,905	0.6%	100.2%	99.6%	172,894	0.6%
FY08	4,320,806	126,609	54,956	181,564	5.6%	97.0%	99.4%	177,428	3.2%
FY09	4,344,925	131,382	54,261	185,643	8.0%	96.5%	99.5%	180,811	5.2%
FY10	4,344,925	121,653	53,409	175,062	1.8%	101.5%	99.8%	176,750	2.8%
FY11	4,344,925	116,806	50,947	167,753	-2.4%	96.1%	99.4%	162,840	-5.3%
FY12	4,344,925	92,379	48,350	140,729	-18.1%	110.8%	98.3%	149,882	-12.8%
FY13	5,189,880	89,109	42,571	131,680	-23.4%	97.6%	99.2%	129,222	-24.8%
FY14	5,195,749	94,234	40,931	135,166	-21.4%	89.7%	99.7%	125,397	-27.1%



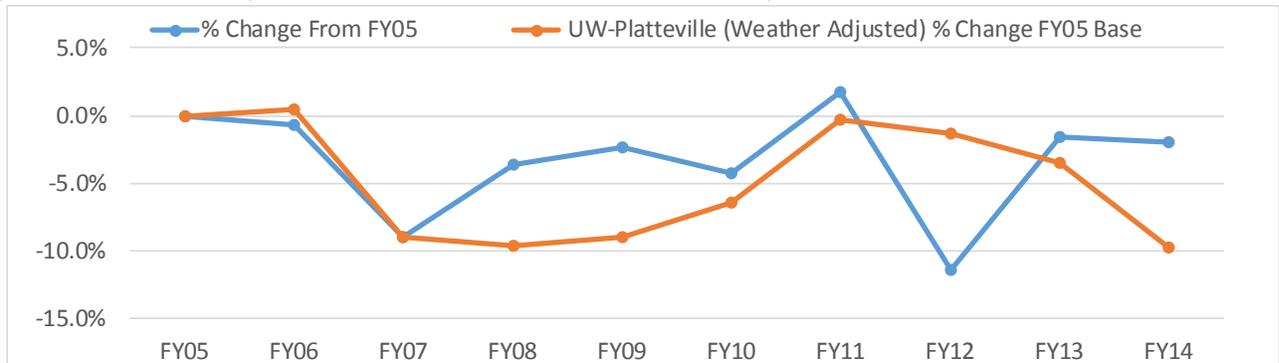
UW-Oshkosh		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	2,674,233	97,371	39,080	136,452	0.0%	100.0%	100.0%	136,452	0.0%
FY06	2,746,643	90,160	38,047	128,207	-6.0%	104.8%	99.3%	132,250	-3.1%
FY07	2,753,951	92,028	37,296	129,324	-5.2%	103.8%	99.8%	132,737	-2.7%
FY08	2,889,527	96,011	36,061	132,072	-3.2%	97.5%	100.5%	129,871	-4.8%
FY09	2,855,351	94,812	35,226	130,038	-4.7%	92.9%	100.6%	123,494	-9.5%
FY10	2,826,573	92,436	35,384	127,820	-6.3%	101.5%	100.2%	129,260	-5.3%
FY11	2,892,390	89,695	33,923	123,619	-9.4%	96.1%	100.4%	120,234	-11.9%
FY12	2,892,390	85,067	35,571	120,638	-11.6%	116.1%	98.6%	133,842	-1.9%
FY13	3,001,171	92,892	34,815	127,707	-6.4%	98.3%	100.0%	126,174	-7.5%
FY14	3,001,171	102,450	34,326	136,776	0.2%	88.0%	100.5%	124,702	-8.6%



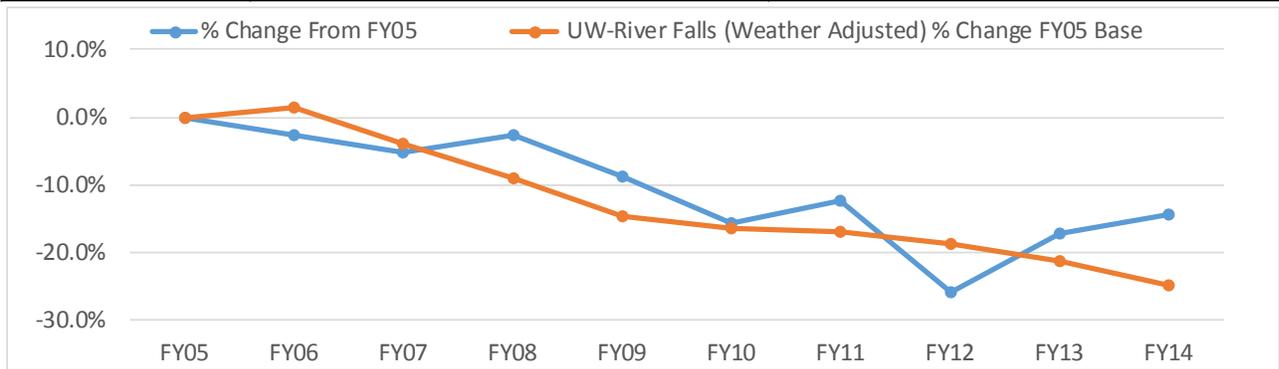
UW-Parkside		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	1,132,766	97,238	48,885	146,123	0.0%	100.0%	100.0%	146,123	0.0%
FY06	1,135,611	92,933	48,494	141,428	-3.2%	103.3%	98.2%	143,591	-1.7%
FY07	1,135,611	92,812	47,413	140,224	-4.0%	100.5%	99.1%	140,275	-4.0%
FY08	1,135,611	96,311	47,038	143,349	-1.9%	96.8%	98.9%	139,757	-4.4%
FY09	1,191,207	95,784	44,059	139,843	-4.3%	95.7%	99.4%	135,432	-7.3%
FY10	1,190,505	91,337	42,696	134,033	-8.3%	101.8%	99.8%	135,620	-7.2%
FY11	1,190,505	99,535	43,573	143,108	-2.1%	97.2%	98.5%	139,670	-4.4%
FY12	1,262,322	86,719	43,465	130,183	-10.9%	110.6%	97.5%	138,317	-5.3%
FY13	1,262,322	97,434	40,419	137,853	-5.7%	98.6%	99.0%	136,081	-6.9%
FY14	1,262,322	106,314	40,203	146,517	0.3%	90.2%	99.0%	135,691	-7.1%



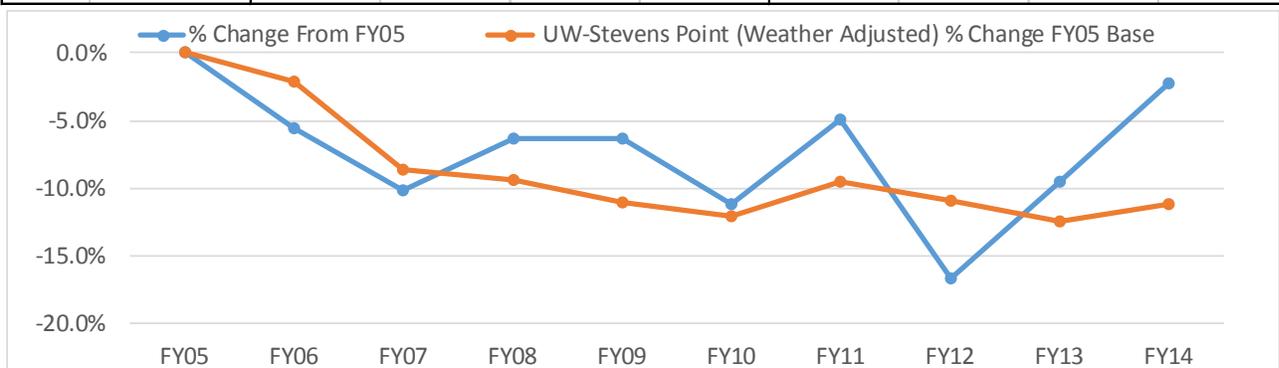
UW-Platteville		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	1,767,380	103,200	36,016	139,216	0.0%	100.0%	100.0%	139,216	0.0%
FY06	1,754,450	101,158	37,098	138,256	-0.7%	101.1%	101.4%	139,898	0.5%
FY07	1,905,950	91,622	35,117	126,739	-9.0%	99.4%	101.3%	126,648	-9.0%
FY08	1,951,401	98,076	36,032	134,108	-3.7%	91.7%	99.6%	125,857	-9.6%
FY09	2,051,105	99,652	36,238	135,890	-2.4%	90.7%	100.4%	126,746	-9.0%
FY10	2,051,105	95,342	37,995	133,337	-4.2%	96.6%	100.2%	130,196	-6.5%
FY11	2,070,851	103,837	37,815	141,652	1.8%	97.3%	99.9%	138,790	-0.3%
FY12	2,070,851	88,288	35,073	123,361	-11.4%	116.8%	97.5%	137,315	-1.4%
FY13	2,070,851	103,588	33,516	137,104	-1.5%	97.8%	98.7%	134,417	-3.4%
FY14	2,244,485	104,542	31,937	136,478	-2.0%	90.0%	99.0%	125,703	-9.7%



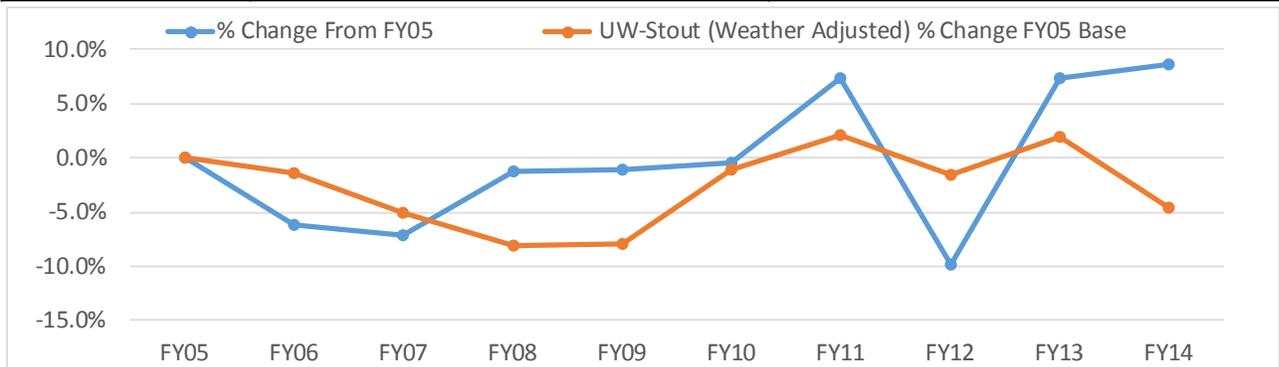
UW-River Falls		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	1,493,198	92,456	32,102	124,558	0.0%	100.0%	100.0%	124,558	0.0%
FY06	1,539,790	89,293	31,876	121,169	-2.7%	105.9%	99.7%	126,331	1.4%
FY07	1,685,846	87,694	30,484	118,178	-5.1%	101.7%	100.1%	119,669	-3.9%
FY08	1,683,720	91,485	29,871	121,356	-2.6%	91.1%	100.6%	113,394	-9.0%
FY09	1,686,708	85,604	28,108	113,712	-8.7%	91.0%	101.3%	106,399	-14.6%
FY10	1,686,708	78,074	26,846	104,920	-15.8%	98.8%	100.1%	104,008	-16.5%
FY11	1,686,708	82,623	26,635	109,259	-12.3%	92.4%	101.2%	103,336	-17.0%
FY12	1,766,458	66,615	25,643	92,258	-25.9%	113.7%	99.4%	101,254	-18.7%
FY13	1,769,312	77,503	25,774	103,277	-17.1%	93.3%	100.4%	98,206	-21.2%
FY14	1,769,312	81,313	25,204	106,516	-14.5%	83.8%	101.3%	93,647	-24.8%



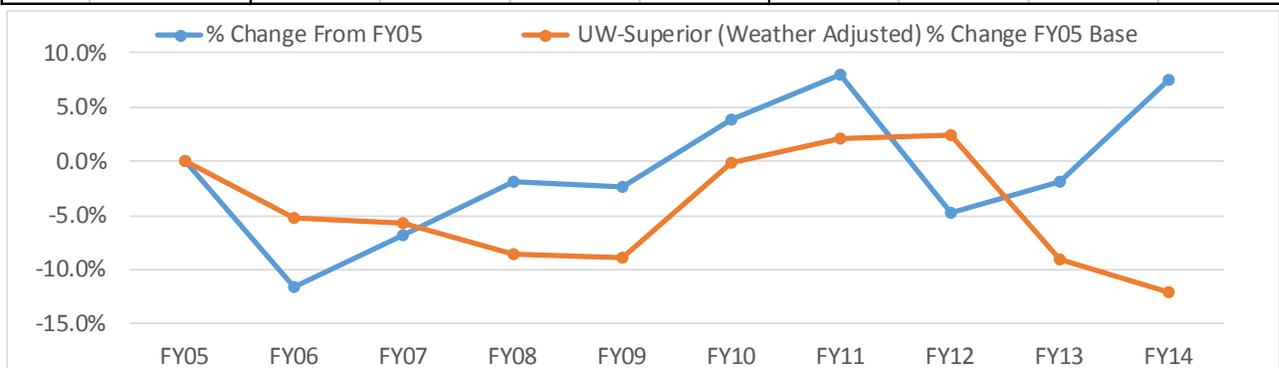
UW-Stevens Point		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	2,335,965	128,082	36,054	164,136	0.0%	100.0%	100.0%	164,136	0.0%
FY06	2,460,496	119,379	35,690	155,069	-5.5%	104.7%	99.7%	160,596	-2.2%
FY07	2,460,496	113,304	34,134	147,438	-10.2%	102.4%	99.9%	150,076	-8.6%
FY08	2,493,729	118,947	34,919	153,866	-6.3%	95.6%	100.3%	148,746	-9.4%
FY09	2,493,729	119,936	33,824	153,759	-6.3%	93.3%	100.9%	146,070	-11.0%
FY10	2,453,362	111,437	34,311	145,749	-11.2%	98.7%	100.1%	144,303	-12.1%
FY11	2,463,548	119,930	36,059	155,989	-5.0%	93.6%	100.7%	148,615	-9.5%
FY12	2,629,769	101,883	34,846	136,730	-16.7%	110.0%	97.9%	146,171	-10.9%
FY13	2,629,769	114,526	34,093	148,618	-9.5%	95.7%	100.2%	143,731	-12.4%
FY14	2,629,769	125,931	34,522	160,454	-2.2%	88.3%	100.2%	145,753	-11.2%



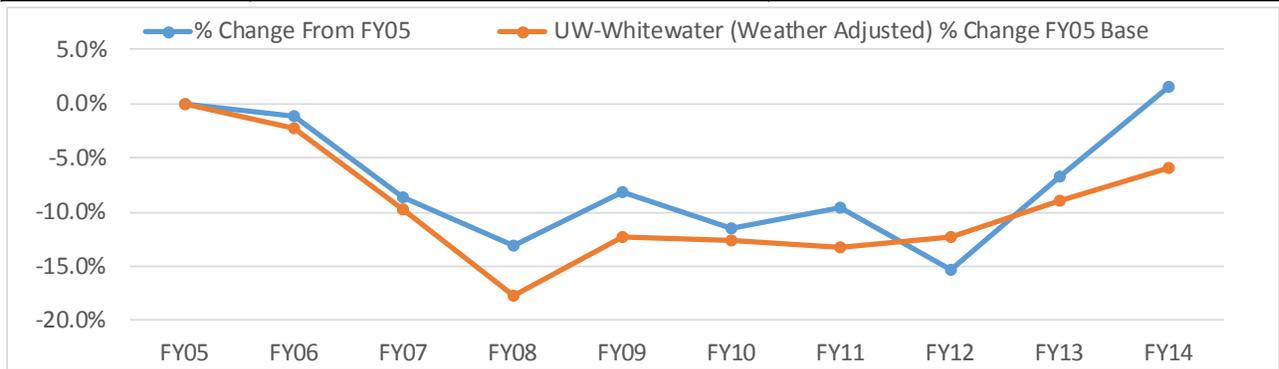
UW-Stout		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	2,162,886	80,464	32,598	113,062	0.0%	100.0%	100.0%	113,062	0.0%
FY06	2,307,775	73,849	32,191	106,040	-6.2%	107.4%	99.8%	111,428	-1.4%
FY07	2,308,975	74,375	30,537	104,912	-7.2%	103.2%	100.2%	107,322	-5.1%
FY08	2,308,426	81,706	29,957	111,663	-1.2%	90.5%	100.3%	103,972	-8.0%
FY09	2,326,439	81,821	29,965	111,787	-1.1%	90.2%	100.8%	104,001	-8.0%
FY10	2,326,439	80,831	31,640	112,471	-0.5%	99.2%	99.9%	111,798	-1.1%
FY11	2,433,320	90,058	31,345	121,403	7.4%	93.3%	100.2%	115,481	2.1%
FY12	2,443,351	70,805	31,036	101,842	-9.9%	113.4%	100.1%	111,370	-1.5%
FY13	2,446,059	88,850	32,537	121,387	7.4%	93.2%	99.8%	115,257	1.9%
FY14	2,448,864	92,099	30,742	122,841	8.6%	84.5%	97.8%	107,856	-4.6%



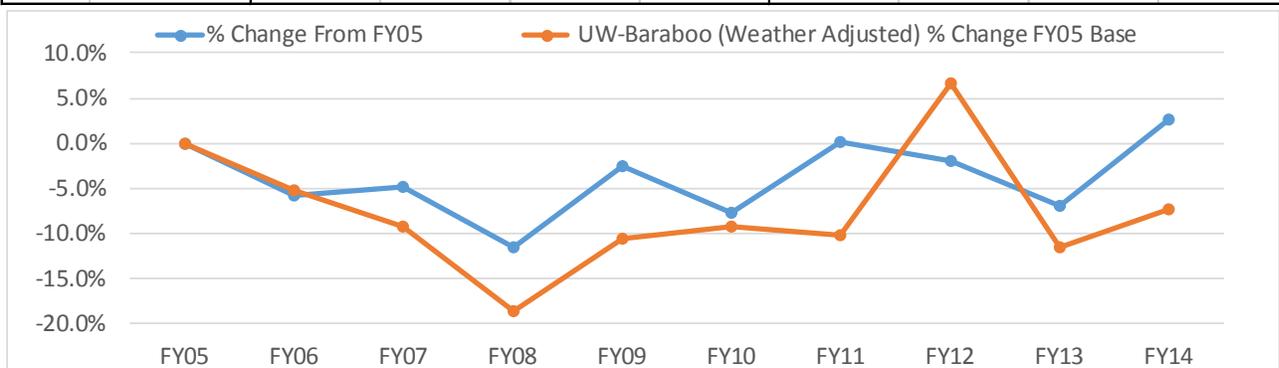
UW-Superior		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	1,076,728	131,188	30,821	162,010	0.0%	100.0%	100.0%	162,010	0.0%
FY06	1,100,416	113,499	29,731	143,231	-11.6%	108.8%	100.8%	153,451	-5.3%
FY07	1,100,416	121,638	29,318	150,955	-6.8%	101.4%	100.0%	152,648	-5.8%
FY08	1,100,416	128,998	29,891	158,890	-1.9%	91.8%	99.5%	148,213	-8.5%
FY09	1,100,416	127,933	30,306	158,239	-2.3%	91.8%	99.2%	147,536	-8.9%
FY10	1,032,741	134,981	33,276	168,257	3.9%	95.5%	99.1%	161,867	-0.1%
FY11	1,032,741	142,386	32,616	175,002	8.0%	93.5%	99.3%	165,507	2.2%
FY12	1,086,193	119,692	34,618	154,310	-4.8%	109.6%	100.7%	166,034	2.5%
FY13	1,088,749	125,807	33,202	159,009	-1.9%	90.9%	99.1%	147,310	-9.1%
FY14	1,101,473	143,147	31,176	174,323	7.6%	78.0%	99.1%	142,514	-12.0%



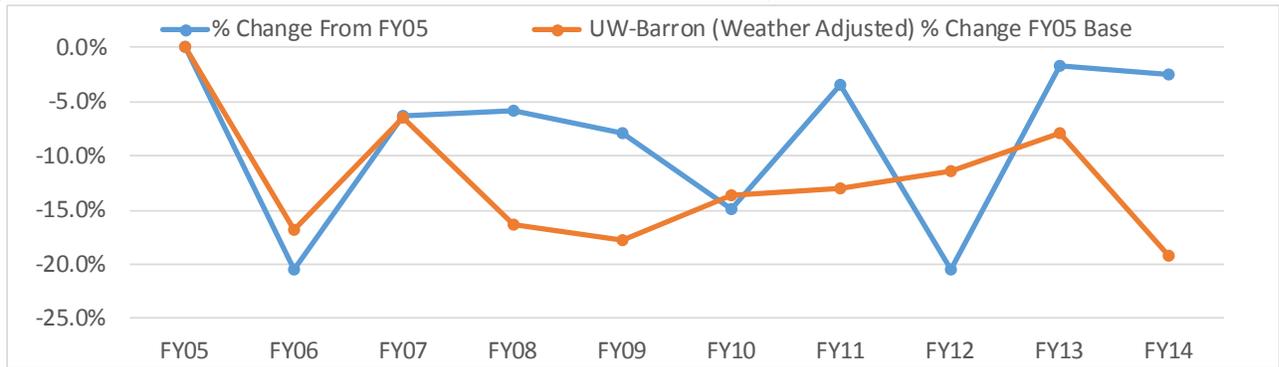
UW-Whitewater		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	2,558,663	110,212	35,656	145,867	0.0%	100.0%	100.0%	145,867	0.0%
FY06	2,642,094	108,536	35,654	144,190	-1.2%	98.5%	100.1%	142,650	-2.2%
FY07	2,531,040	94,691	38,580	133,272	-8.6%	98.1%	100.1%	131,534	-9.8%
FY08	2,535,623	88,592	38,164	126,756	-13.1%	92.5%	99.6%	119,956	-17.8%
FY09	2,535,623	95,991	37,999	133,991	-8.1%	93.6%	100.0%	127,817	-12.4%
FY10	2,714,423	90,988	38,106	129,094	-11.5%	98.0%	100.4%	127,394	-12.7%
FY11	2,922,323	93,720	38,257	131,976	-9.5%	94.2%	99.9%	126,464	-13.3%
FY12	2,930,608	85,675	37,935	123,611	-15.3%	105.6%	98.7%	127,960	-12.3%
FY13	2,942,875	98,566	37,566	136,132	-6.7%	96.6%	100.1%	132,847	-8.9%
FY14	2,942,875	109,922	38,307	148,229	1.6%	90.2%	99.6%	137,310	-5.9%



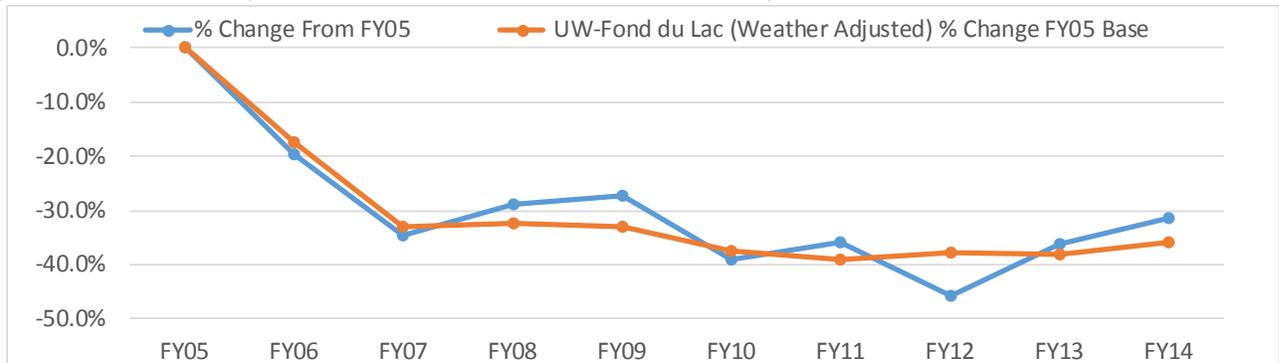
UW-Baraboo		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	150,015	60,075	28,748	88,823	0.0%	100.0%	100.0%	88,823	0.0%
FY06	150,015	54,757	28,857	83,615	-5.9%	101.6%	99.2%	84,238	-5.2%
FY07	150,015	57,135	27,415	84,550	-4.8%	93.3%	99.7%	80,653	-9.2%
FY08	150,015	48,670	29,922	78,592	-11.5%	87.3%	99.9%	72,381	-18.5%
FY09	150,015	56,230	30,295	86,525	-2.6%	87.1%	100.2%	79,357	-10.7%
FY10	151,015	52,354	29,593	81,947	-7.7%	97.5%	100.1%	80,652	-9.2%
FY11	151,015	55,820	33,110	88,929	0.1%	84.6%	98.3%	79,780	-10.2%
FY12	151,015	52,615	34,488	87,103	-1.9%	115.3%	98.9%	94,782	6.7%
FY13	151,015	53,076	29,661	82,736	-6.9%	92.7%	98.9%	78,512	-11.6%
FY14	151,015	65,370	25,787	91,157	2.6%	86.5%	100.1%	82,355	-7.3%



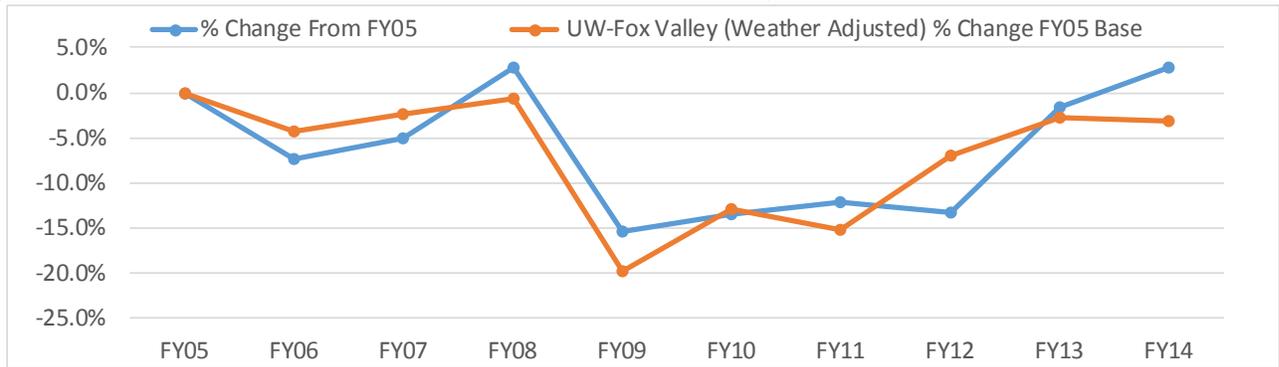
UW-Barron		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	146,683	68,961	24,959	93,920	0.0%	100.0%	100.0%	93,920	0.0%
FY06	146,683	50,219	24,449	74,668	-20.5%	105.9%	101.8%	78,062	-16.9%
FY07	146,683	59,577	28,442	88,019	-6.3%	99.5%	100.7%	87,917	-6.4%
FY08	146,683	62,206	26,231	88,437	-5.8%	83.7%	101.3%	78,640	-16.3%
FY09	146,683	60,882	25,582	86,463	-7.9%	84.7%	100.5%	77,250	-17.7%
FY10	146,683	55,335	24,564	79,899	-14.9%	102.3%	99.8%	81,121	-13.6%
FY11	146,683	65,691	25,032	90,723	-3.4%	86.4%	99.8%	81,752	-13.0%
FY12	146,683	50,835	23,808	74,642	-20.5%	116.6%	100.6%	83,207	-11.4%
FY13	146,683	69,539	22,747	92,286	-1.7%	91.8%	99.6%	86,458	-7.9%
FY14	146,683	68,763	22,880	91,642	-2.4%	76.9%	100.5%	75,833	-19.3%



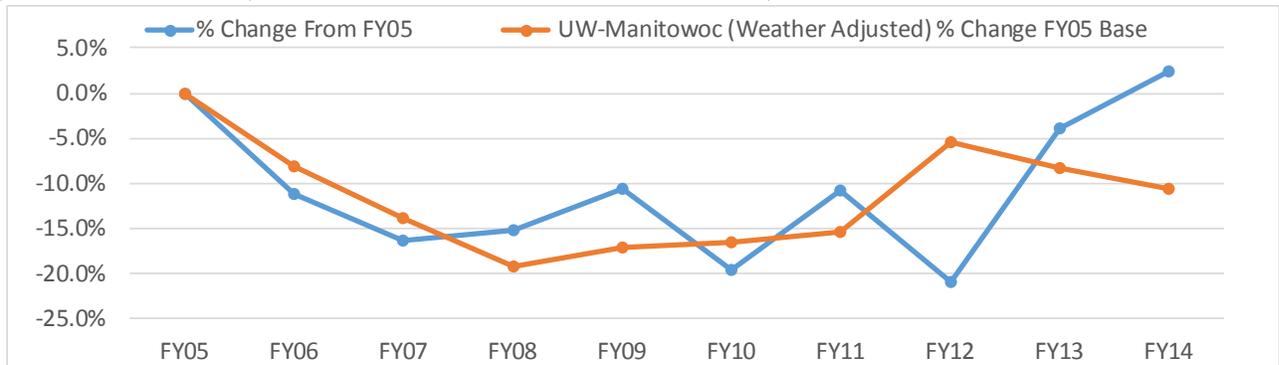
UW-Fond du Lac		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	194,077	57,697	36,356	94,053	0.0%	100.0%	100.0%	94,053	0.0%
FY06	194,077	44,930	30,608	75,537	-19.7%	105.7%	98.9%	77,775	-17.3%
FY07	194,077	36,836	24,766	61,603	-34.5%	103.9%	100.2%	63,087	-32.9%
FY08	194,077	41,626	25,281	66,908	-28.9%	92.1%	99.7%	63,551	-32.4%
FY09	194,077	42,786	25,535	68,320	-27.4%	87.9%	99.5%	63,019	-33.0%
FY10	194,077	36,351	20,926	57,277	-39.1%	104.6%	99.7%	58,888	-37.4%
FY11	194,077	39,422	21,010	60,433	-35.7%	92.0%	99.9%	57,248	-39.1%
FY12	194,077	31,245	19,651	50,896	-45.9%	124.7%	99.0%	58,411	-37.9%
FY13	194,077	40,447	19,644	60,091	-36.1%	95.7%	99.7%	58,276	-38.0%
FY14	194,077	44,739	19,695	64,434	-31.5%	90.1%	101.1%	60,221	-36.0%



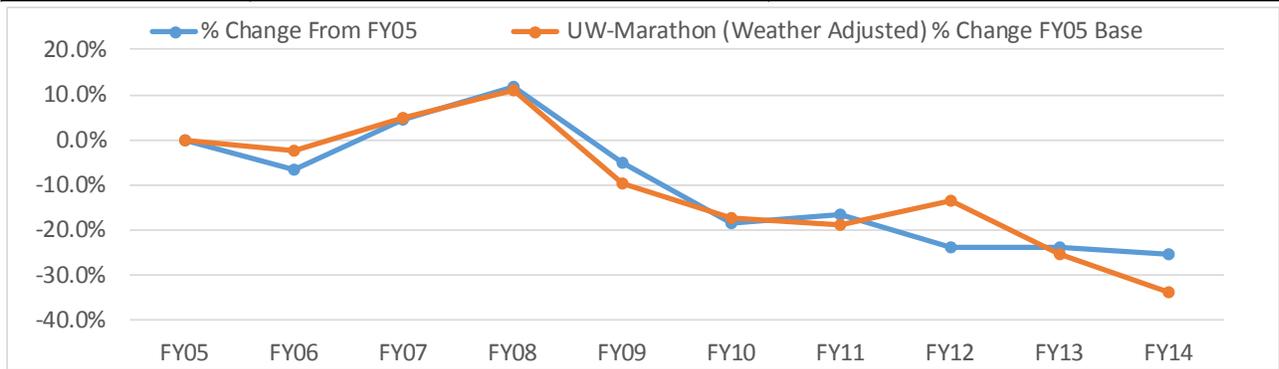
UW-Fox Valley		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	203,270	80,764	33,160	113,923	0.0%	100.0%	100.0%	113,923	0.0%
FY06	203,270	65,846	39,731	105,577	-7.3%	105.9%	99.2%	109,118	-4.2%
FY07	203,270	68,865	39,388	108,253	-5.0%	104.4%	99.9%	111,242	-2.4%
FY08	202,478	74,578	42,567	117,146	2.8%	94.5%	100.2%	113,159	-0.7%
FY09	272,978	59,785	36,633	96,419	-15.4%	90.7%	101.3%	91,326	-19.8%
FY10	274,078	56,536	41,976	98,513	-13.5%	101.0%	100.4%	99,271	-12.9%
FY11	274,078	57,431	42,594	100,025	-12.2%	94.4%	99.6%	96,657	-15.2%
FY12	274,078	54,816	44,063	98,879	-13.2%	114.7%	98.0%	106,057	-6.9%
FY13	274,078	65,656	46,393	112,049	-1.6%	98.2%	99.9%	110,820	-2.7%
FY14	274,078	69,664	47,498	117,161	2.8%	90.7%	99.5%	110,441	-3.1%



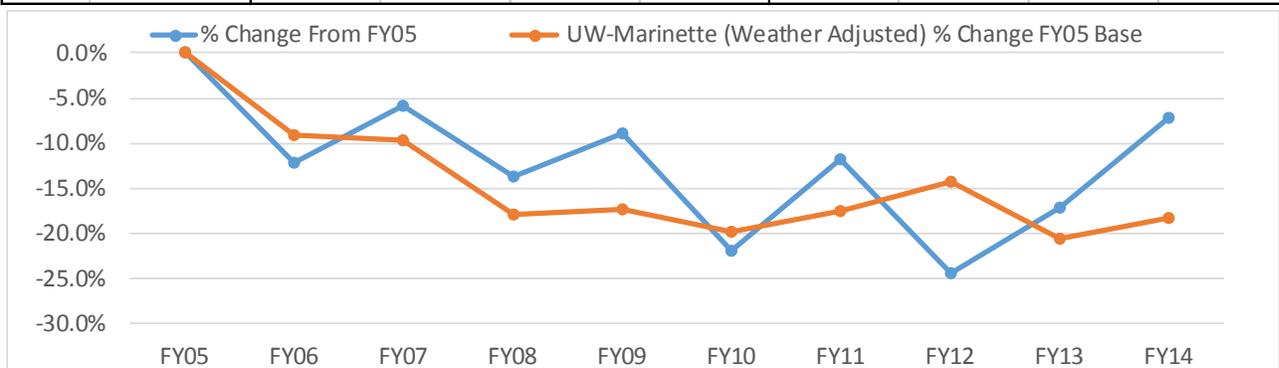
UW-Manitowoc		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	125,045	48,682	26,306	74,988	0.0%	100.0%	100.0%	74,988	0.0%
FY06	125,045	42,486	24,105	66,591	-11.2%	105.5%	100.1%	68,945	-8.1%
FY07	125,045	40,784	21,881	62,665	-16.4%	104.6%	100.2%	64,581	-13.9%
FY08	125,045	41,371	22,197	63,568	-15.2%	92.2%	101.2%	60,588	-19.2%
FY09	125,045	44,475	22,531	67,006	-10.6%	89.0%	100.4%	62,209	-17.0%
FY10	125,045	38,761	21,552	60,313	-19.6%	106.4%	98.7%	62,528	-16.6%
FY11	125,045	43,806	23,147	66,953	-10.7%	91.4%	101.0%	63,409	-15.4%
FY12	125,045	35,601	23,632	59,232	-21.0%	132.8%	100.2%	70,954	-5.4%
FY13	125,045	48,234	23,881	72,115	-3.8%	93.1%	99.8%	68,747	-8.3%
FY14	125,045	52,936	23,815	76,751	2.4%	81.8%	99.6%	67,018	-10.6%



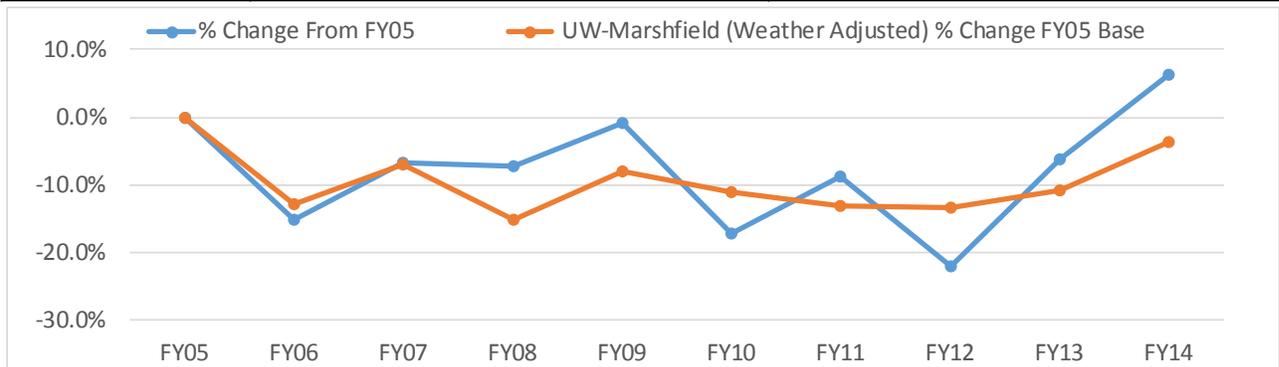
UW-Marathon		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	286,421	83,471	36,007	119,478	0.0%	100.0%	100.0%	119,478	0.0%
FY06	286,421	75,819	35,945	111,764	-6.5%	106.8%	99.5%	116,694	-2.3%
FY07	286,421	82,286	42,725	125,011	4.6%	100.5%	99.8%	125,354	4.9%
FY08	290,650	98,146	35,457	133,604	11.8%	99.0%	99.9%	132,612	11.0%
FY09	290,650	79,697	33,568	113,265	-5.2%	93.3%	99.5%	107,729	-9.8%
FY10	327,695	66,441	31,002	97,443	-18.4%	101.8%	100.1%	98,664	-17.4%
FY11	327,695	69,285	30,634	99,919	-16.4%	95.5%	100.9%	97,034	-18.8%
FY12	327,695	59,969	31,194	91,164	-23.7%	121.5%	97.9%	103,407	-13.5%
FY13	327,695	64,326	26,851	91,177	-23.7%	96.9%	100.0%	89,208	-25.3%
FY14	327,695	62,455	26,642	89,097	-25.4%	83.9%	99.5%	78,905	-34.0%



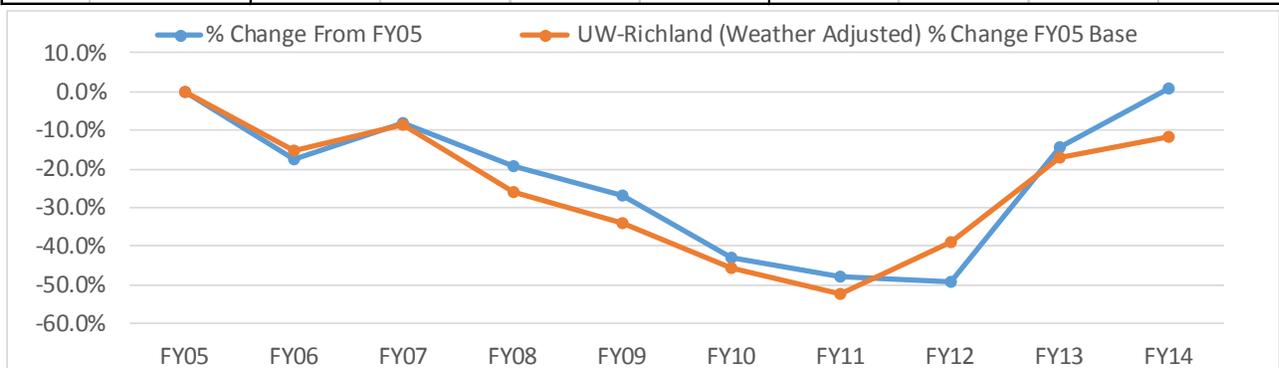
UW-Marinette		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	103,778	97,916	33,580	131,496	0.0%	100.0%	100.0%	131,496	0.0%
FY06	103,778	84,635	30,881	115,517	-12.2%	104.6%	100.2%	119,444	-9.2%
FY07	103,778	86,211	37,586	123,797	-5.9%	101.2%	84.1%	118,844	-9.6%
FY08	102,740	82,819	30,750	113,569	-13.6%	93.5%	99.4%	107,970	-17.9%
FY09	102,740	89,463	30,381	119,843	-8.9%	87.6%	99.5%	108,635	-17.4%
FY10	107,988	74,977	27,787	102,764	-21.8%	104.0%	99.2%	105,504	-19.8%
FY11	107,988	87,316	28,818	116,134	-11.7%	91.1%	99.9%	108,359	-17.6%
FY12	107,988	71,455	28,073	99,528	-24.3%	118.0%	101.7%	112,866	-14.2%
FY13	107,988	80,514	28,424	108,938	-17.2%	94.5%	99.5%	104,394	-20.6%
FY14	107,988	95,636	26,299	121,935	-7.3%	85.5%	98.0%	107,530	-18.2%



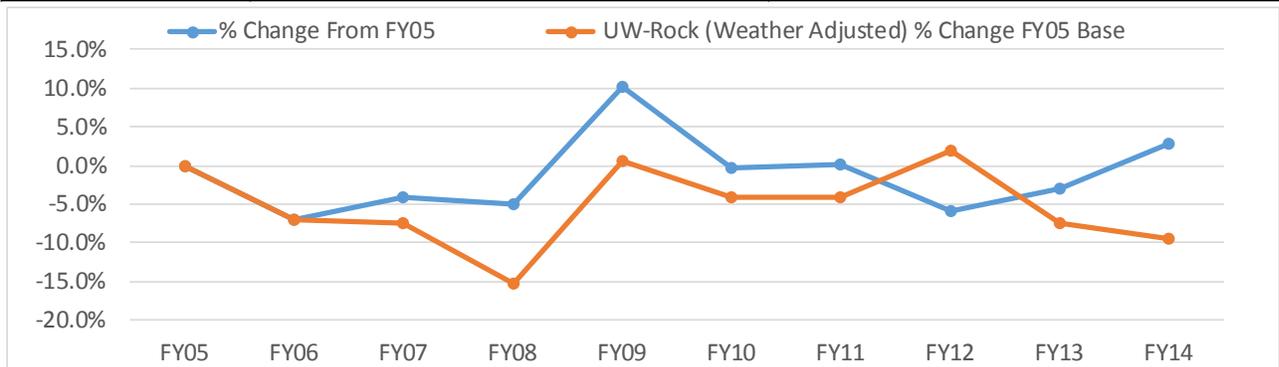
UW-Marshfield		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	145,016	74,182	30,918	105,100	0.0%	100.0%	100.0%	105,100	0.0%
FY06	145,016	58,572	30,750	89,322	-15.0%	104.3%	99.6%	91,736	-12.7%
FY07	145,016	68,277	29,734	98,011	-6.7%	99.8%	99.9%	97,816	-6.9%
FY08	141,598	69,599	27,941	97,540	-7.2%	87.8%	100.4%	89,129	-15.2%
FY09	136,616	73,370	30,941	104,311	-0.8%	89.3%	100.4%	96,593	-8.1%
FY10	149,996	59,028	27,930	86,958	-17.3%	111.4%	99.5%	93,538	-11.0%
FY11	149,996	67,684	28,222	95,906	-8.7%	93.3%	99.9%	91,312	-13.1%
FY12	149,996	54,485	27,409	81,894	-22.1%	116.7%	99.9%	90,988	-13.4%
FY13	149,996	68,181	30,344	98,525	-6.3%	92.8%	100.3%	93,739	-10.8%
FY14	149,996	81,584	30,211	111,795	6.4%	86.9%	100.4%	101,231	-3.7%



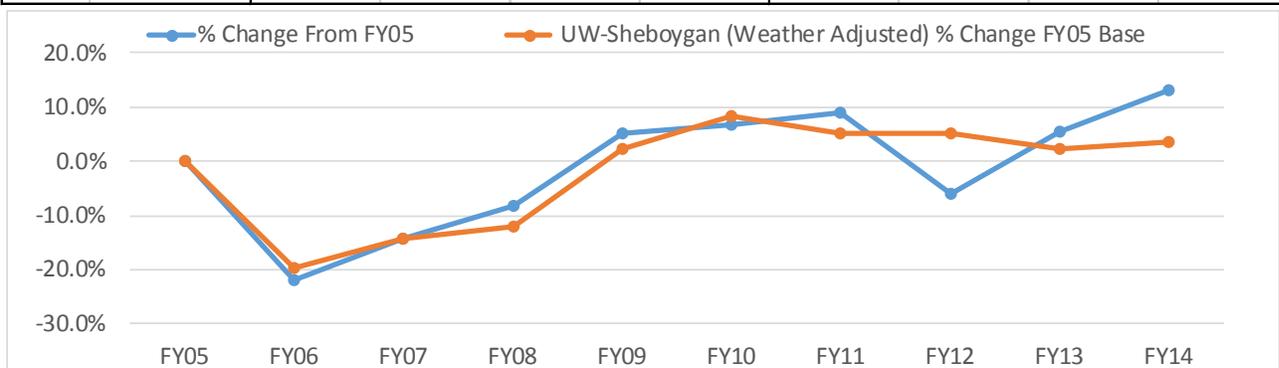
UW-Richland		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	95,461	84,023	32,229	116,252	0.0%	100.0%	100.0%	116,252	0.0%
FY06	95,461	61,755	33,997	95,752	-17.6%	105.1%	99.3%	98,654	-15.1%
FY07	95,461	73,106	33,885	106,991	-8.0%	99.7%	99.0%	106,436	-8.4%
FY08	101,990	63,338	30,431	93,768	-19.3%	88.4%	98.7%	86,002	-26.0%
FY09	101,900	66,571	18,400	84,971	-26.9%	88.1%	99.2%	76,901	-33.8%
FY10	108,760	49,298	17,232	66,530	-42.8%	93.7%	100.0%	63,443	-45.4%
FY11	108,760	43,371	17,330	60,701	-47.8%	88.2%	98.8%	55,380	-52.4%
FY12	108,760	41,968	17,345	59,313	-49.0%	127.9%	100.5%	71,099	-38.8%
FY13	108,760	60,556	39,069	99,626	-14.3%	95.2%	98.9%	96,299	-17.2%
FY14	108,760	78,408	39,020	117,429	1.0%	82.1%	97.8%	102,553	-11.8%



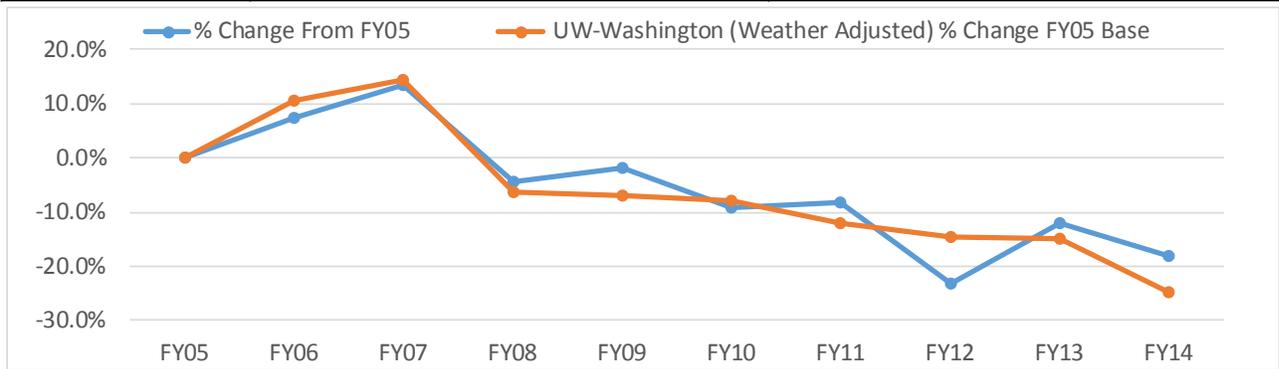
UW-Rock		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	145,560	48,489	24,956	73,445	0.0%	100.0%	100.0%	73,445	0.0%
FY06	145,560	43,901	24,404	68,306	-7.0%	100.4%	99.4%	68,339	-7.0%
FY07	145,560	45,778	24,629	70,407	-4.1%	95.1%	99.6%	68,058	-7.3%
FY08	185,625	48,518	21,252	69,770	-5.0%	85.4%	98.0%	62,277	-15.2%
FY09	185,625	61,813	19,134	80,947	10.2%	88.4%	100.6%	73,899	0.6%
FY10	191,592	53,702	19,567	73,268	-0.2%	94.3%	101.0%	70,399	-4.1%
FY11	191,592	55,115	18,398	73,513	0.1%	94.7%	99.0%	70,438	-4.1%
FY12	191,592	49,687	19,441	69,128	-5.9%	112.7%	97.5%	74,923	2.0%
FY13	191,592	52,582	18,632	71,214	-3.0%	94.2%	99.1%	67,994	-7.4%
FY14	191,592	56,742	18,717	75,459	2.7%	84.6%	98.8%	66,464	-9.5%



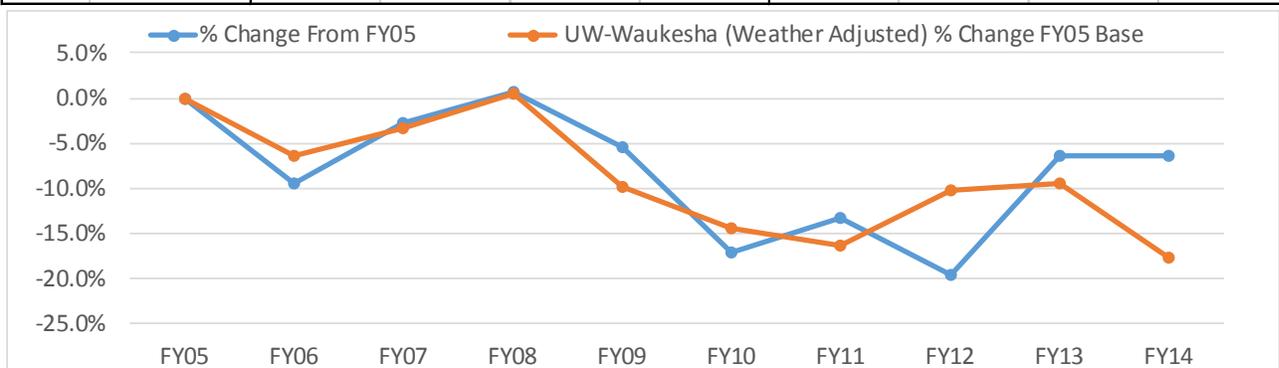
UW-Sheboygan		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	170,927	72,172	30,582	102,754	0.0%	100.0%	100.0%	102,754	0.0%
FY06	170,927	52,365	27,815	80,180	-22.0%	105.1%	98.3%	82,395	-19.8%
FY07	170,927	58,093	30,011	88,104	-14.3%	99.7%	100.1%	87,944	-14.4%
FY08	197,727	64,566	29,819	94,385	-8.1%	94.3%	99.1%	90,445	-12.0%
FY09	197,727	74,774	33,178	107,952	5.1%	96.1%	99.8%	104,969	2.2%
FY10	200,918	73,373	36,485	109,858	6.9%	102.0%	99.8%	111,235	8.3%
FY11	200,918	77,654	34,410	112,065	9.1%	96.6%	96.4%	108,152	5.3%
FY12	200,918	63,854	32,782	96,637	-6.0%	118.5%	98.6%	108,002	5.1%
FY13	200,918	74,154	34,185	108,339	5.4%	96.2%	98.7%	105,096	2.3%
FY14	200,918	83,874	32,470	116,345	13.2%	89.1%	97.4%	106,344	3.5%



UW-Washington		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	169,454	42,195	33,126	75,321	0.0%	100.0%	100.0%	75,321	0.0%
FY06	169,454	46,780	34,158	80,938	7.5%	106.4%	98.1%	83,264	10.5%
FY07	169,454	50,861	34,547	85,408	13.4%	102.1%	99.0%	86,148	14.4%
FY08	198,558	42,876	29,150	72,025	-4.4%	96.6%	99.7%	70,471	-6.4%
FY09	198,558	44,340	29,522	73,862	-1.9%	91.2%	100.7%	70,159	-6.9%
FY10	199,038	40,945	27,554	68,499	-9.1%	102.0%	99.9%	69,317	-8.0%
FY11	199,038	41,534	27,541	69,075	-8.3%	93.1%	99.8%	66,177	-12.1%
FY12	199,038	30,582	27,342	57,924	-23.1%	122.0%	99.1%	64,424	-14.5%
FY13	199,038	38,382	27,744	66,127	-12.2%	94.8%	100.0%	64,125	-14.9%
FY14	199,038	41,719	20,034	61,753	-18.0%	88.6%	98.7%	56,752	-24.7%



UW-Waukesha		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	263,050	59,760	34,992	94,752	0.0%	100.0%	100.0%	94,752	0.0%
FY06	263,050	52,661	33,092	85,753	-9.5%	106.3%	98.8%	88,662	-6.4%
FY07	263,050	55,815	36,245	92,059	-2.8%	99.6%	99.4%	91,615	-3.3%
FY08	272,406	58,675	36,652	95,326	0.6%	99.6%	100.4%	95,259	0.5%
FY09	272,406	53,629	35,933	89,562	-5.5%	92.4%	99.8%	85,397	-9.9%
FY10	277,016	45,765	32,703	78,468	-17.2%	105.7%	99.8%	81,022	-14.5%
FY11	277,016	49,128	32,983	82,111	-13.3%	94.6%	99.3%	79,235	-16.4%
FY12	277,016	42,752	33,404	76,156	-19.6%	121.5%	98.9%	85,007	-10.3%
FY13	277,016	53,059	35,698	88,757	-6.3%	94.9%	99.3%	85,802	-9.4%
FY14	277,016	59,934	28,837	88,771	-6.3%	82.7%	98.5%	77,955	-17.7%



# Agency Energy Use Summary

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## SCOPE

CAPITOL COMPLEX - Capitol Heat & Power Plant, Dept. of Administration Office Building; Dept. of Health Services Office Building; Risser Justice Center; GEF 1, 2 and 3; and Wisconsin State Capitol

HILL FARMS COMPLEX - Hill Farms D/E/L; and State Transportation Building

SEPARATED FACILITIES - Badger Road Office Building; Central Services Facility; Eau Claire Office Building; Green Bay Office Building; La Crosse Office Building; Milwaukee Office Building; Milwaukee SE Crime Lab; State Agriculture Building; State Revenue Building; Waukesha Office Building; Wisconsin Public Broadcasting Center Building; Wisconsin Rapids Office Building; Air Services; and Executive Residence.

## ENERGY CONSUMPTION

**Total Change from Base - Weather Adjusted: 30.5 percent decrease.**

Energy use (BTU/GSF/Yr) for FY14 was 30.5 percent lower than in the base fiscal year, FY05.

**Latest Year Change - Weather Adjusted: 2.02 percent increase.**

Energy use (BTU/GSF/Yr) for FY14 increased 2.02 percent from the previous fiscal year.

**Average Annual Change - Weather Adjusted: 3.4 percent decrease per year.**

On average, energy use (BTU/GSF/Yr) has decreased 3.4 percent since the base year, FY05.

## GSF AND CONSUMPTION STATISTICS

**GSF Change from Base: 2.1 percent.**

Gross square footage has increased 2.1% from the base fiscal year, FY05.

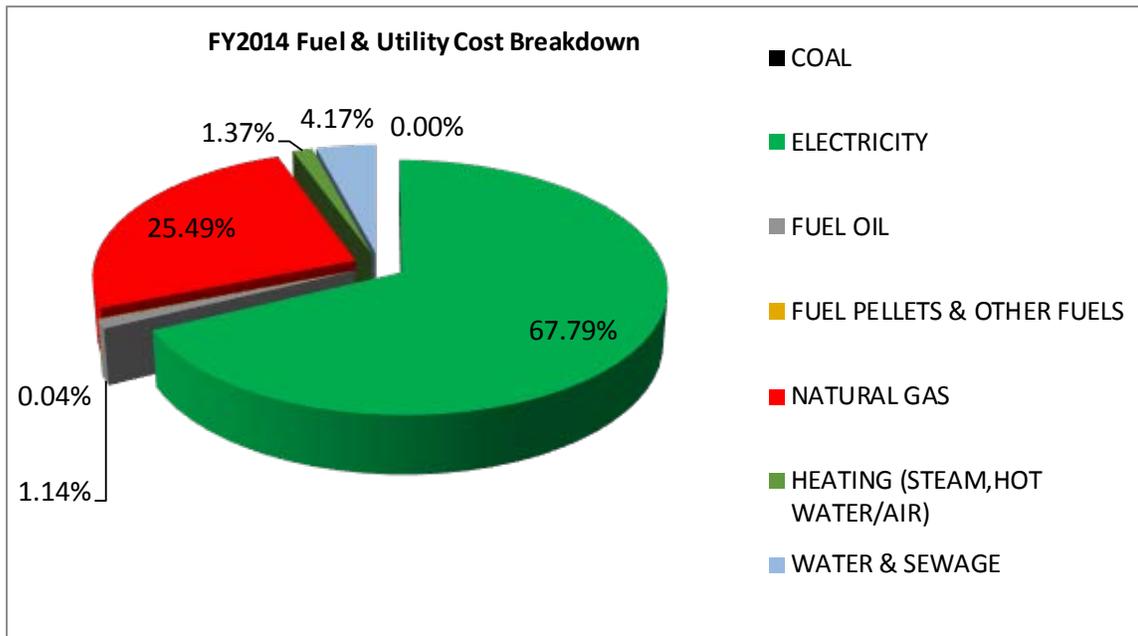
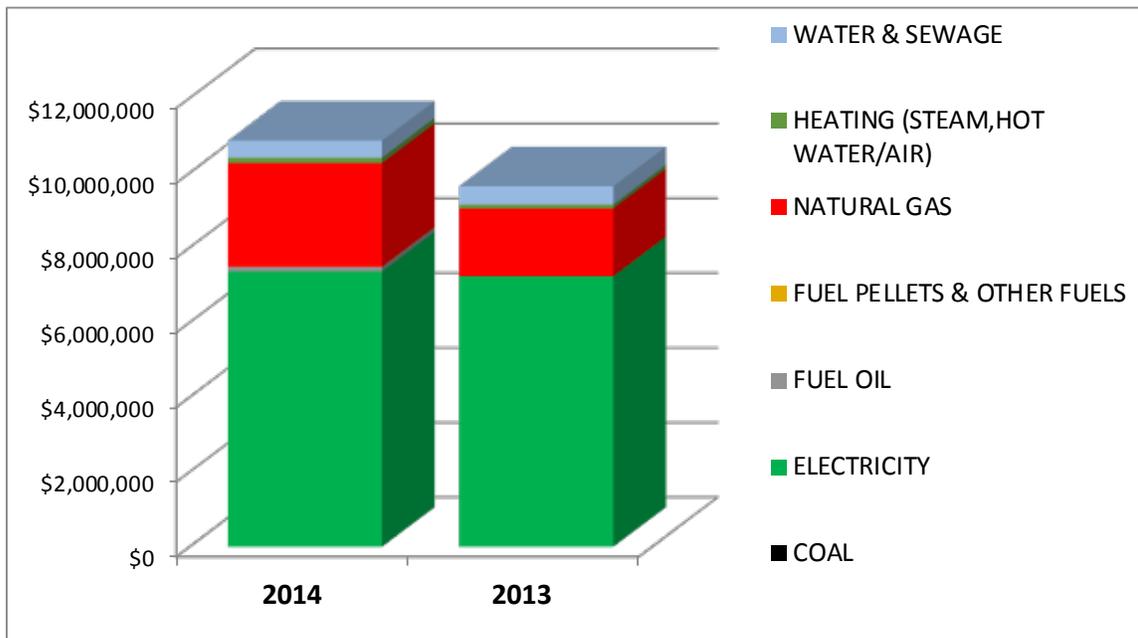
**Consumption Change from Base: 22.7 percent decrease.**

Total consumption was 22.7 percent less when compared to FY05. Total energy (million BTU) purchases in FY14 were 29 percent less than in the base year when adjusted for weather compared to FY05.

Agency Name: Administration, Department of (505)

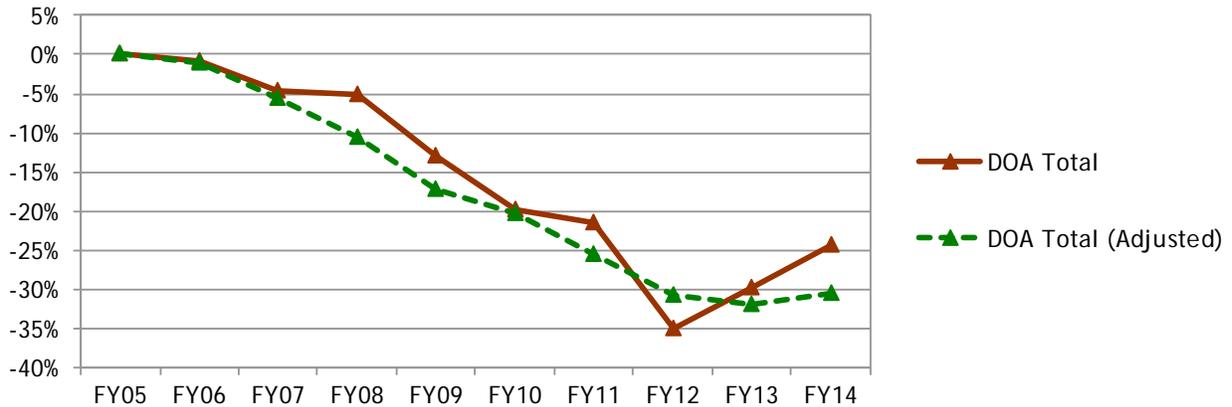
Category Name: Fuel and Utilities

Subcategory Code	Subcategory Name	Fiscal Year 2014	Fiscal Year 2013
3600	COAL	\$ -	\$ -
2500	ELECTRICITY	\$ 7,365,943	\$ 7,236,493
3610	FUEL OIL	\$ 123,846	\$ -
3620	FUEL PELLETS & OTHER FUELS	\$ 4,692	\$ 5,311
2510	NATURAL GAS	\$ 2,769,200	\$ 1,806,883
2520	HEATING (STEAM,HOT WATER/AIR)	\$ 148,991	\$ 107,008
2540	WATER & SEWAGE	\$ 452,921	\$ 488,972
<b>Total:</b>		<b>\$ 10,865,594</b>	<b>\$ 9,644,667</b>

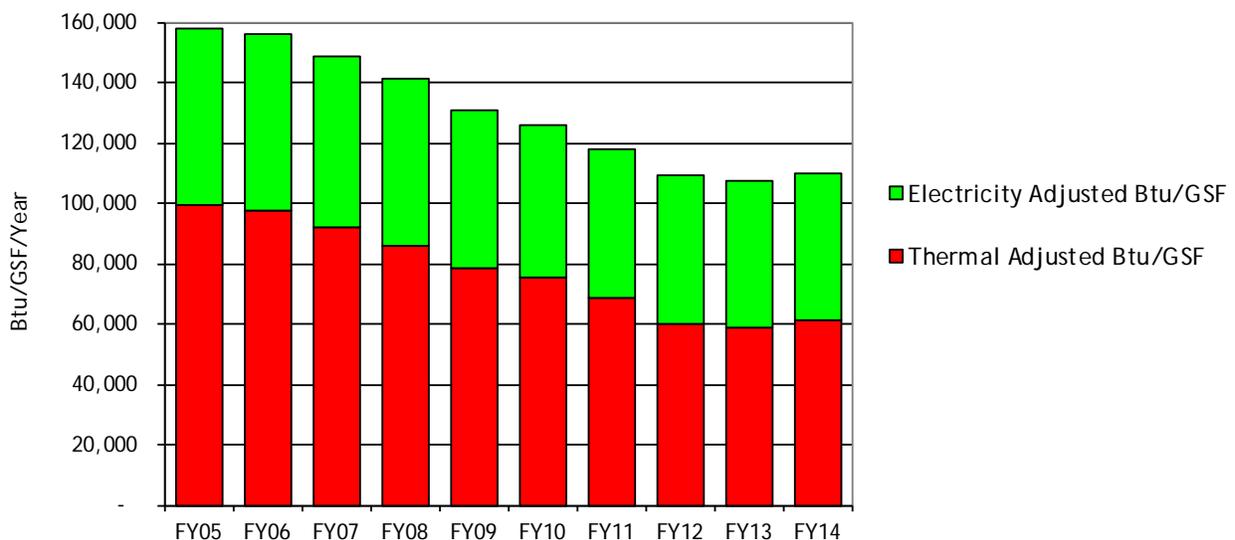


Department of Administration DOA Total									
Fiscal Year	GSF	BTU/GSF				Weather-Adjusted			
		Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
<b>FY05</b>	4,027,132	99,221	58,619	157,840	0.0%	100.0%	100.0%	157,840	0.0%
<b>FY06</b>	4,027,132	97,337	59,097	156,433	-0.9%	100.1%	99.2%	156,004	-1.2%
<b>FY07</b>	4,027,132	93,316	57,035	150,351	-4.7%	98.6%	99.7%	148,909	-5.7%
<b>FY08</b>	4,027,132	94,217	55,669	149,886	-5.0%	91.3%	98.9%	141,081	-10.6%
<b>FY09</b>	4,027,132	84,926	52,508	137,433	-12.9%	92.6%	99.2%	130,764	-17.2%
<b>FY10</b>	4,027,132	76,500	50,105	126,604	-19.8%	98.8%	100.4%	125,839	-20.3%
<b>FY11</b>	4,027,132	74,298	49,641	123,939	-21.5%	92.5%	98.7%	117,716	-25.4%
<b>FY12</b>	4,027,132	52,632	50,058	102,690	-34.9%	114.2%	98.3%	109,319	-30.7%
<b>FY13</b>	4,027,132	61,386	49,253	110,639	-29.9%	95.7%	99.2%	107,602	-31.8%
<b>FY14</b>	4,109,971	70,414	49,176	119,590	-24.2%	86.6%	99.2%	109,776	-30.5%

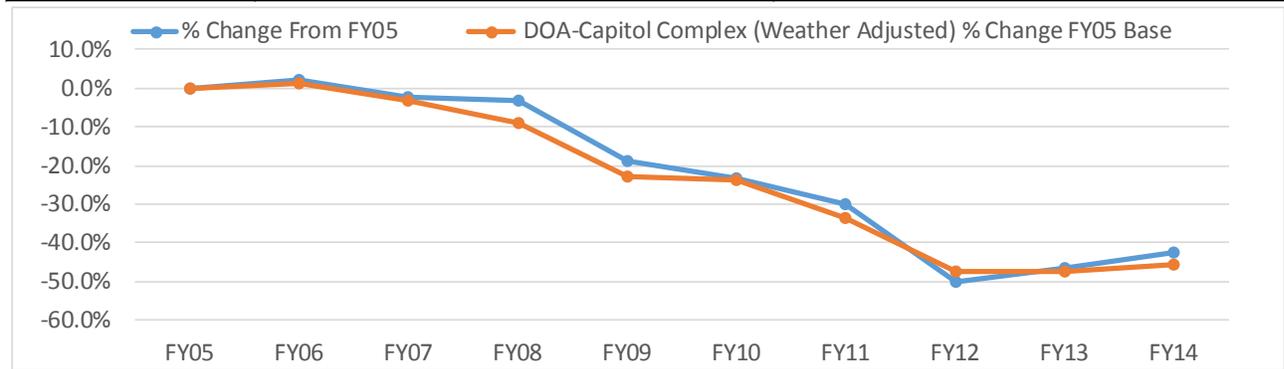
Percent Change from Base (BTU/GSF)



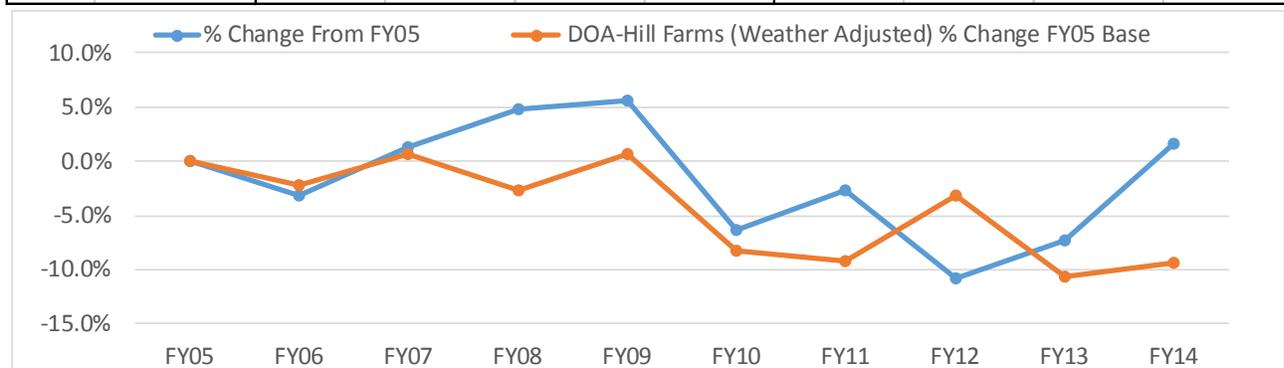
Department of Administration Energy Usage (BTU/GSF)



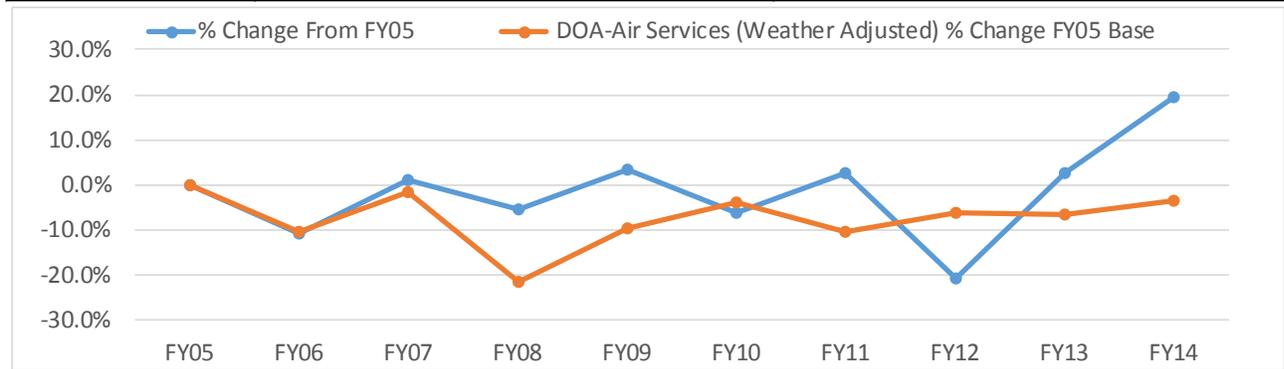
DOA-Capitol Complex		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	2,013,307	112,981	56,846	169,826	0.0%	100.0%	100.0%	169,826	0.0%
FY06	2,013,307	116,427	57,203	173,630	2.2%	98.6%	99.5%	171,704	1.1%
FY07	2,013,307	109,507	56,231	165,738	-2.4%	98.7%	99.8%	164,147	-3.3%
FY08	2,013,307	110,539	53,818	164,357	-3.2%	91.8%	99.3%	154,935	-8.8%
FY09	2,013,307	89,085	48,538	137,622	-19.0%	93.0%	99.1%	130,963	-22.9%
FY10	2,013,307	82,641	47,512	130,154	-23.4%	99.5%	100.2%	129,825	-23.6%
FY11	2,013,307	73,324	45,361	118,686	-30.1%	93.0%	98.9%	113,046	-33.4%
FY12	2,013,307	38,392	46,699	85,091	-49.9%	112.6%	98.3%	89,162	-47.5%
FY13	2,013,307	45,317	45,833	91,150	-46.3%	97.0%	99.0%	89,336	-47.4%
FY14	2,013,307	51,410	46,061	97,471	-42.6%	90.4%	99.2%	92,151	-45.7%



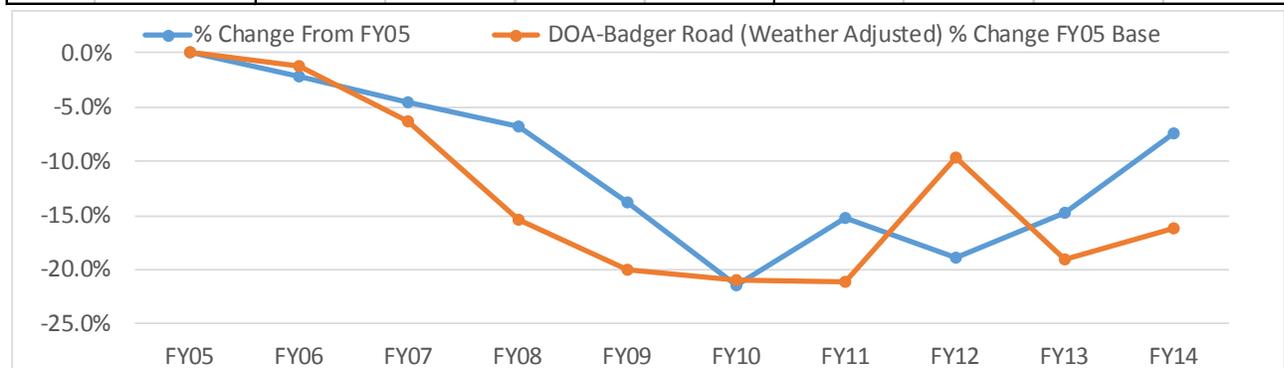
DOA-Hill Farms		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	644,904	119,925	65,950	185,875	0.0%	100.0%	100.0%	185,875	0.0%
FY06	644,904	113,539	66,474	180,014	-3.2%	102.1%	99.0%	181,722	-2.2%
FY07	644,904	124,466	63,980	188,446	1.4%	98.9%	99.8%	186,972	0.6%
FY08	644,904	128,346	66,554	194,900	4.9%	90.0%	98.3%	180,906	-2.7%
FY09	644,904	130,840	65,380	196,219	5.6%	93.6%	99.0%	187,201	0.7%
FY10	644,904	114,947	59,120	174,068	-6.4%	96.7%	100.5%	170,531	-8.3%
FY11	644,904	117,923	62,926	180,849	-2.7%	90.9%	97.9%	168,825	-9.2%
FY12	644,904	102,704	62,968	165,671	-10.9%	115.0%	98.3%	179,980	-3.2%
FY13	644,904	112,742	59,692	172,434	-7.2%	94.8%	99.2%	166,074	-10.7%
FY14	644,904	131,537	57,500	189,038	1.7%	84.4%	99.8%	168,448	-9.4%



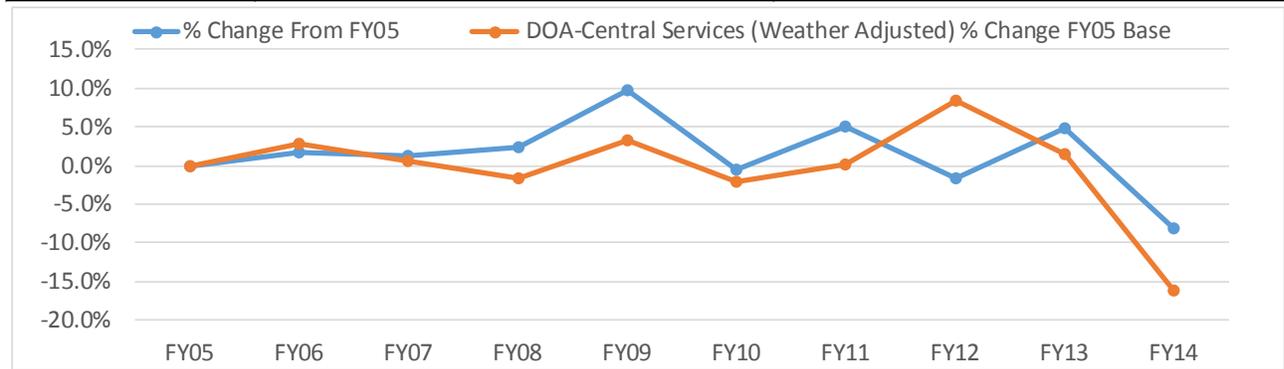
DOA-Air Services		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	17,898	96,324	18,938	115,262	0.0%	100.0%	100.0%	115,262	0.0%
FY06	17,898	84,250	18,673	102,922	-10.7%	100.4%	100.1%	103,257	-10.4%
FY07	17,898	98,195	18,172	116,368	1.0%	97.2%	99.5%	113,563	-1.5%
FY08	17,898	90,479	18,641	109,121	-5.3%	79.8%	98.7%	90,580	-21.4%
FY09	17,898	101,235	17,950	119,184	3.4%	85.6%	98.7%	104,342	-9.5%
FY10	17,898	90,703	17,575	108,277	-6.1%	102.7%	99.6%	110,693	-4.0%
FY11	17,898	99,598	18,691	118,289	2.6%	85.2%	98.6%	103,276	-10.4%
FY12	17,898	73,394	17,939	91,332	-20.8%	122.7%	101.4%	108,245	-6.1%
FY13	17,898	99,302	18,995	118,297	2.6%	89.6%	99.1%	107,749	-6.5%
FY14	17,898	119,835	17,712	137,547	19.3%	78.0%	99.4%	111,128	-3.6%



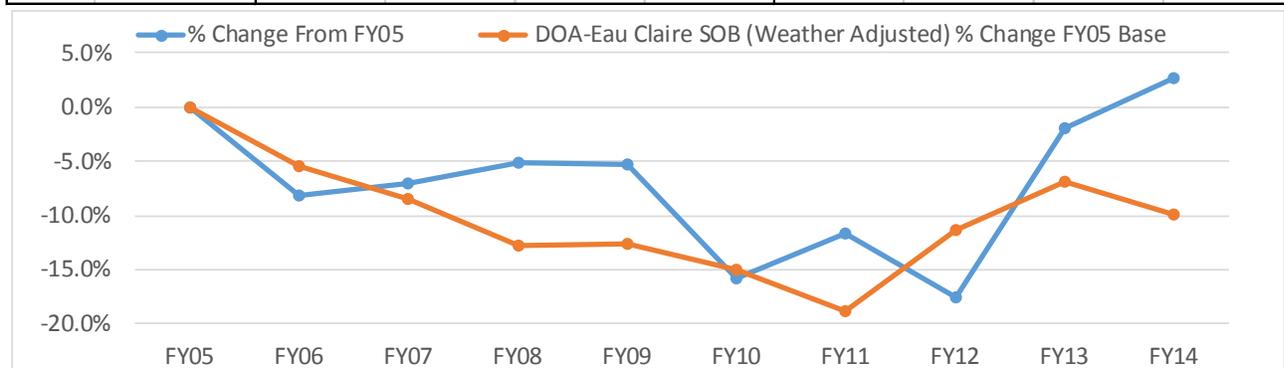
DOA-Badger Road		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	50,842	50,468	57,475	107,943	0.0%	100.0%	100.0%	107,943	0.0%
FY06	50,842	51,428	54,174	105,602	-2.2%	102.5%	99.5%	106,644	-1.2%
FY07	50,842	54,172	48,882	103,054	-4.5%	97.7%	98.6%	101,090	-6.3%
FY08	50,842	58,031	42,583	100,614	-6.8%	85.2%	98.3%	91,289	-15.4%
FY09	50,842	52,040	41,016	93,056	-13.8%	87.8%	99.1%	86,376	-20.0%
FY10	50,842	45,016	39,848	84,864	-21.4%	100.6%	100.5%	85,312	-21.0%
FY11	50,842	50,446	40,973	91,419	-15.3%	88.6%	98.7%	85,133	-21.1%
FY12	50,842	45,590	41,985	87,575	-18.9%	123.7%	98.1%	97,592	-9.6%
FY13	50,842	51,959	40,069	92,028	-14.7%	91.9%	98.7%	87,322	-19.1%
FY14	50,842	59,784	40,184	99,968	-7.4%	85.5%	97.9%	90,452	-16.2%



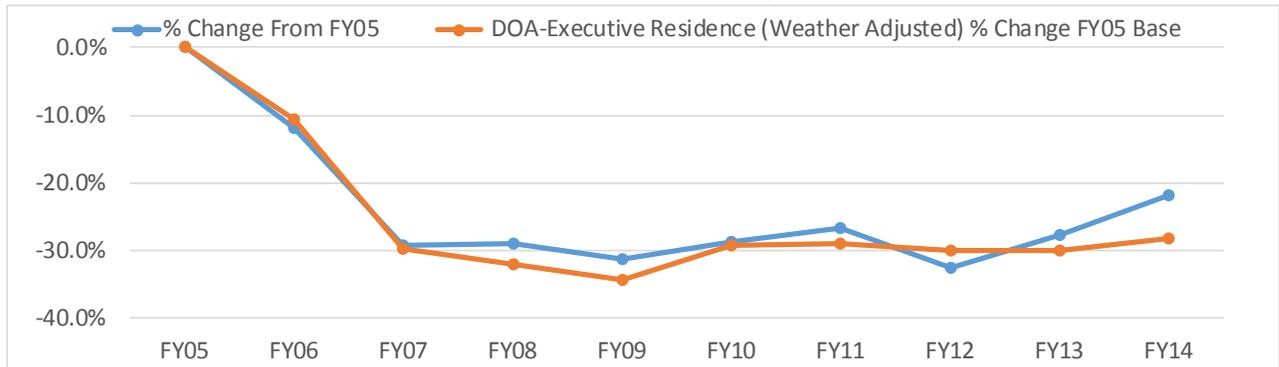
DOA-Central Services		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	147,700	68,831	45,512	114,343	0.0%	100.0%	100.0%	114,343	0.0%
FY06	147,700	67,682	48,566	116,247	1.7%	102.2%	99.4%	117,458	2.7%
FY07	147,700	68,140	47,534	115,674	1.2%	98.9%	100.1%	115,001	0.6%
FY08	147,700	68,115	48,887	117,002	2.3%	93.8%	99.2%	112,411	-1.7%
FY09	147,700	78,877	46,544	125,420	9.7%	90.8%	99.6%	117,981	3.2%
FY10	147,700	67,054	46,732	113,786	-0.5%	96.7%	100.6%	111,855	-2.2%
FY11	147,700	75,433	44,681	120,113	5.0%	92.6%	99.8%	114,441	0.1%
FY12	147,700	67,124	45,310	112,434	-1.7%	118.6%	97.9%	123,951	8.4%
FY13	147,700	75,634	44,273	119,907	4.9%	94.8%	100.0%	116,003	1.5%
FY14	147,700	71,811	33,278	105,089	-8.1%	86.2%	102.1%	95,914	-16.1%



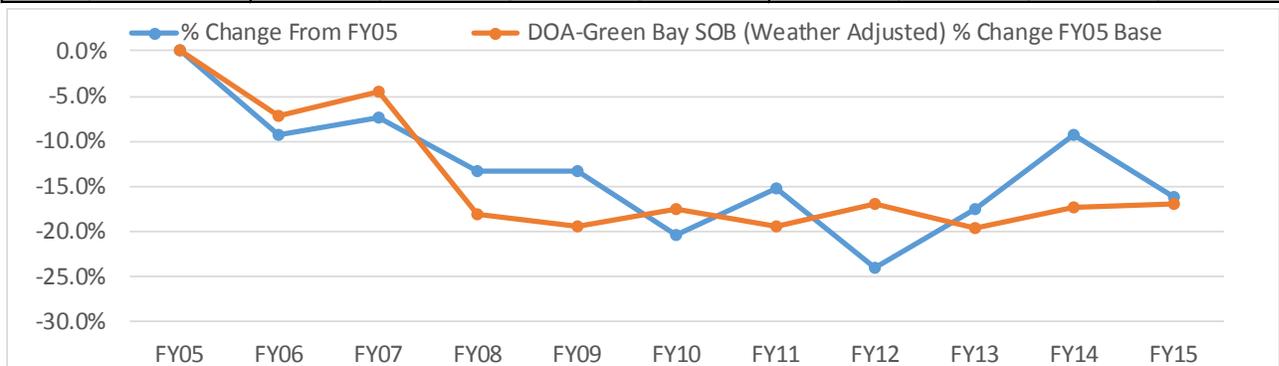
DOA-Eau Claire SOB		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	56,206	37,587	40,349	77,936	0.0%	100.0%	100.0%	77,936	0.0%
FY06	56,206	32,196	39,397	71,593	-8.1%	108.2%	98.7%	73,750	-5.4%
FY07	56,206	34,060	38,328	72,388	-7.1%	98.7%	98.4%	71,306	-8.5%
FY08	56,206	37,252	36,735	73,987	-5.1%	85.1%	98.6%	67,922	-12.8%
FY09	56,206	37,854	35,948	73,802	-5.3%	85.3%	99.6%	68,099	-12.6%
FY10	56,206	32,479	33,179	65,658	-15.8%	101.5%	100.1%	66,174	-15.1%
FY11	56,206	37,056	31,790	68,846	-11.7%	86.0%	98.9%	63,287	-18.8%
FY12	56,206	31,945	32,305	64,250	-17.6%	115.8%	99.4%	69,093	-11.3%
FY13	56,206	45,261	31,187	76,448	-1.9%	91.9%	99.2%	72,528	-6.9%
FY14	56,206	49,631	30,410	80,041	2.7%	81.3%	98.0%	70,169	-10.0%



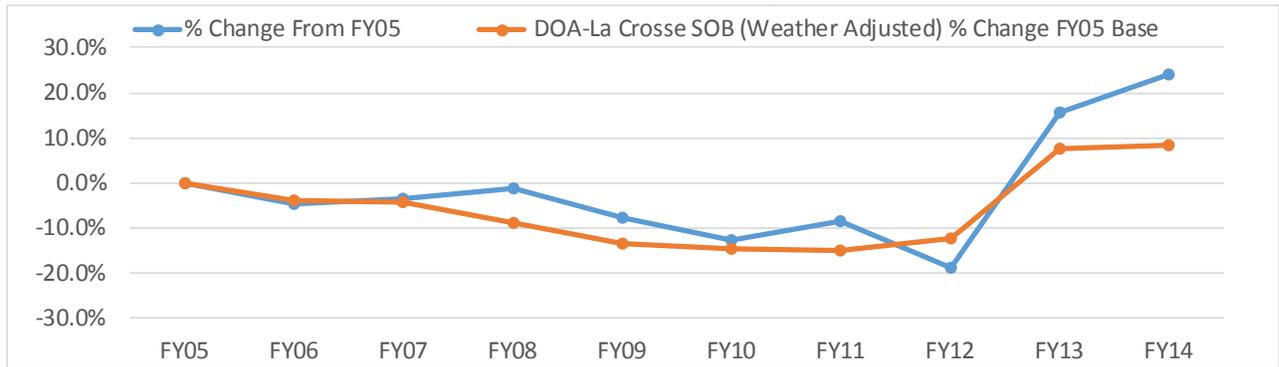
DOA-Executive Residence		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	23,455	89,090	33,078	122,168	0.0%	100.0%	100.0%	122,168	0.0%
FY06	23,455	74,824	32,752	107,576	-11.9%	102.6%	99.1%	109,187	-10.6%
FY07	23,455	55,242	31,175	86,417	-29.3%	99.2%	99.8%	85,912	-29.7%
FY08	23,455	56,001	30,866	86,867	-28.9%	94.2%	98.7%	83,184	-31.9%
FY09	23,455	54,509	29,463	83,972	-31.3%	93.9%	99.2%	80,391	-34.2%
FY10	23,455	56,321	30,779	87,099	-28.7%	98.6%	100.8%	86,597	-29.1%
FY11	23,455	57,779	31,877	89,656	-26.6%	95.6%	99.3%	86,862	-28.9%
FY12	23,455	49,196	33,081	82,277	-32.7%	108.1%	98.1%	85,638	-29.9%
FY13	23,455	52,147	36,166	88,313	-27.7%	95.9%	98.3%	85,564	-30.0%
FY14	23,455	58,460	37,178	95,637	-21.7%	89.0%	96.3%	87,828	-28.1%



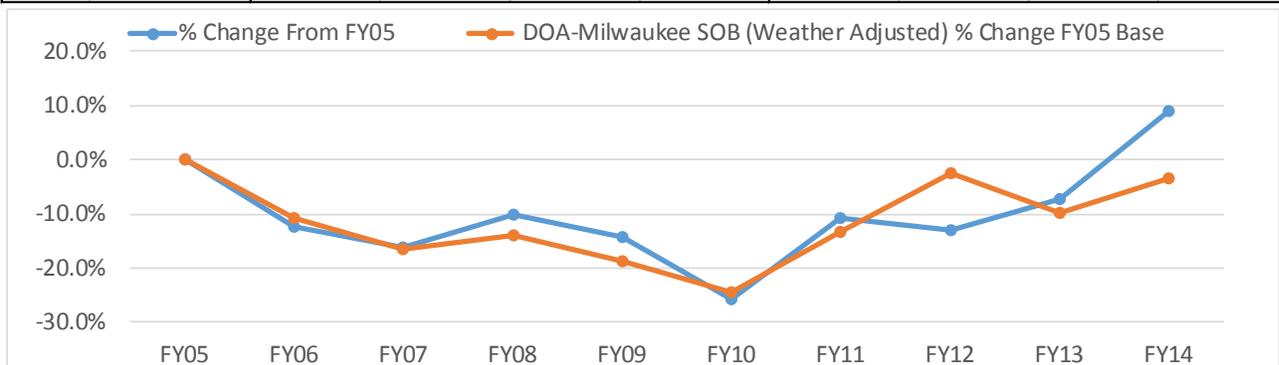
DOA-Green Bay SOB		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	69,206	25,116	31,967	57,083	0.0%	100.0%	100.0%	57,083	0.0%
FY06	69,206	17,639	34,117	51,756	-9.3%	107.9%	99.5%	52,976	-7.2%
FY07	69,206	22,474	30,409	52,883	-7.4%	107.2%	100.1%	54,527	-4.5%
FY08	69,206	19,469	30,073	49,542	-13.2%	88.1%	98.4%	46,753	-18.1%
FY09	69,206	22,037	27,430	49,467	-13.3%	86.1%	98.5%	45,999	-19.4%
FY10	69,206	18,068	27,351	45,419	-20.4%	107.9%	100.9%	47,090	-17.5%
FY11	69,206	20,849	27,519	48,368	-15.3%	90.6%	98.4%	45,969	-19.5%
FY12	69,206	16,866	26,453	43,320	-24.1%	121.6%	101.9%	47,459	-16.9%
FY13	69,206	20,019	27,095	47,114	-17.5%	94.6%	99.5%	45,891	-19.6%
FY14	69,206	25,164	26,603	51,767	-9.3%	84.4%	97.7%	47,219	-17.3%
FY15	69,206	22,995	24,819	47,814	-16.2%	98.7%	99.8%	47,459	-16.9%



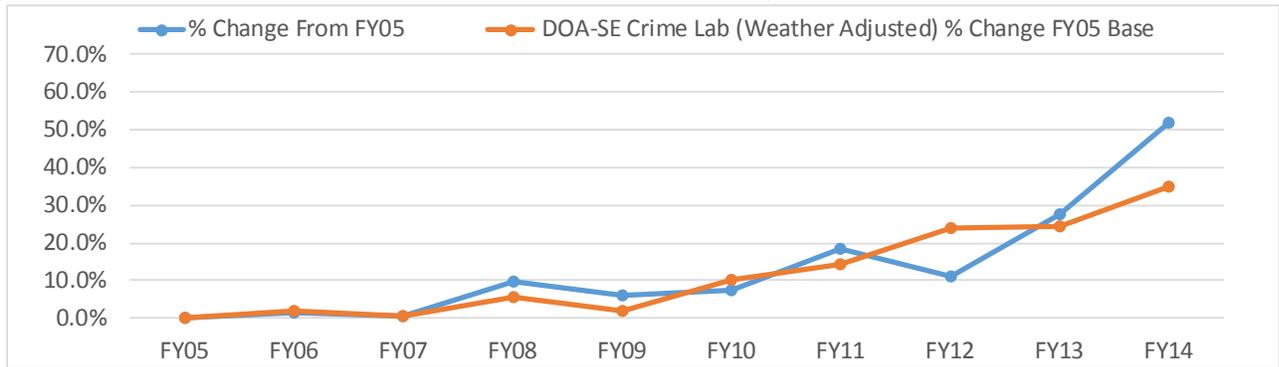
DOA-La Crosse SOB		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	45,965	34,964	32,505	67,468	0.0%	100.0%	100.0%	67,468	0.0%
FY06	45,965	28,585	35,819	64,404	-4.5%	102.7%	98.9%	64,774	-4.0%
FY07	45,965	29,512	35,552	65,064	-3.6%	99.6%	99.2%	64,648	-4.2%
FY08	45,965	30,993	35,730	66,723	-1.1%	86.0%	97.3%	61,400	-9.0%
FY09	45,965	29,773	32,487	62,259	-7.7%	87.8%	99.0%	58,286	-13.6%
FY10	45,965	27,401	31,435	58,837	-12.8%	95.6%	99.8%	57,555	-14.7%
FY11	45,965	30,778	30,972	61,750	-8.5%	87.5%	97.9%	57,258	-15.1%
FY12	45,965	23,611	31,222	54,833	-18.7%	119.1%	99.7%	59,252	-12.2%
FY13	45,965	45,670	32,309	77,978	15.6%	89.1%	99.1%	72,718	7.8%
FY14	45,965	51,560	32,126	83,685	24.0%	81.7%	96.5%	73,141	8.4%



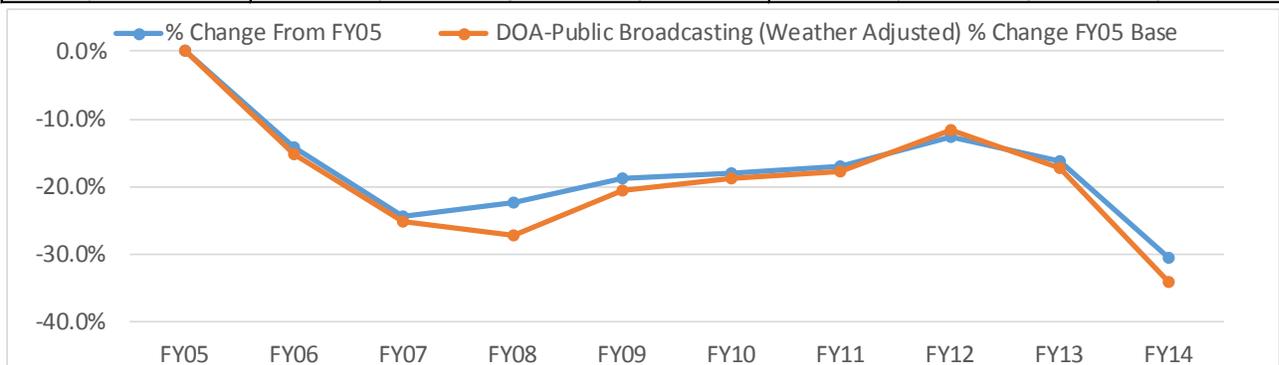
DOA-Milwaukee SOB		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	201,200	37,712	38,403	76,115	0.0%	100.0%	100.0%	76,115	0.0%
FY06	201,200	30,068	36,524	66,591	-12.5%	106.1%	98.3%	67,804	-10.9%
FY07	201,200	26,487	37,372	63,859	-16.1%	99.9%	98.9%	63,434	-16.7%
FY08	201,200	33,774	34,693	68,467	-10.0%	93.3%	98.2%	65,603	-13.8%
FY09	201,200	29,957	35,221	65,178	-14.4%	90.4%	98.8%	61,873	-18.7%
FY10	201,200	24,808	31,817	56,624	-25.6%	103.1%	99.9%	57,358	-24.6%
FY11	201,200	32,655	35,188	67,844	-10.9%	94.5%	99.5%	65,852	-13.5%
FY12	201,200	29,479	36,783	66,263	-12.9%	127.7%	99.1%	74,106	-2.6%
FY13	201,200	34,379	36,228	70,607	-7.2%	95.5%	99.1%	68,726	-9.7%
FY14	201,200	46,853	36,023	82,875	8.9%	82.0%	97.4%	73,499	-3.4%



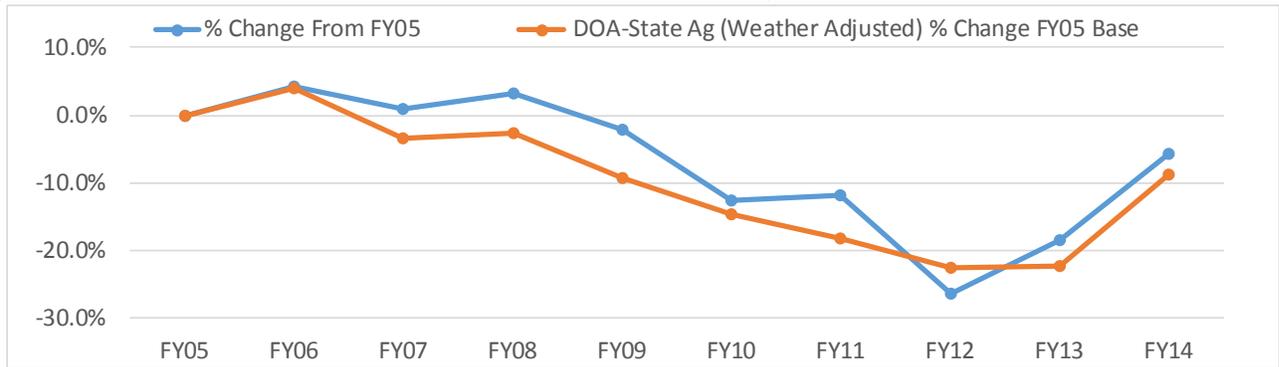
DOA-SE Crime Lab		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	43,935	51,334	69,155	120,490	0.0%	100.0%	100.0%	120,490	0.0%
FY06	43,935	52,546	69,997	122,543	1.7%	104.3%	97.5%	123,055	2.1%
FY07	43,935	54,697	66,429	121,126	0.5%	101.2%	99.0%	121,151	0.5%
FY08	43,935	63,698	68,578	132,276	9.8%	93.9%	98.6%	127,419	5.8%
FY09	43,935	61,753	66,044	127,797	6.1%	92.4%	99.5%	122,742	1.9%
FY10	43,935	63,506	65,705	129,211	7.2%	106.1%	99.8%	132,944	10.3%
FY11	43,935	72,182	70,595	142,778	18.5%	94.8%	98.4%	137,859	14.4%
FY12	43,935	60,698	73,242	133,940	11.2%	127.7%	97.8%	149,135	23.8%
FY13	43,935	82,143	71,309	153,451	27.4%	96.2%	99.1%	149,710	24.3%
FY14	43,935	107,693	75,420	183,112	52.0%	81.0%	100.0%	162,677	35.0%



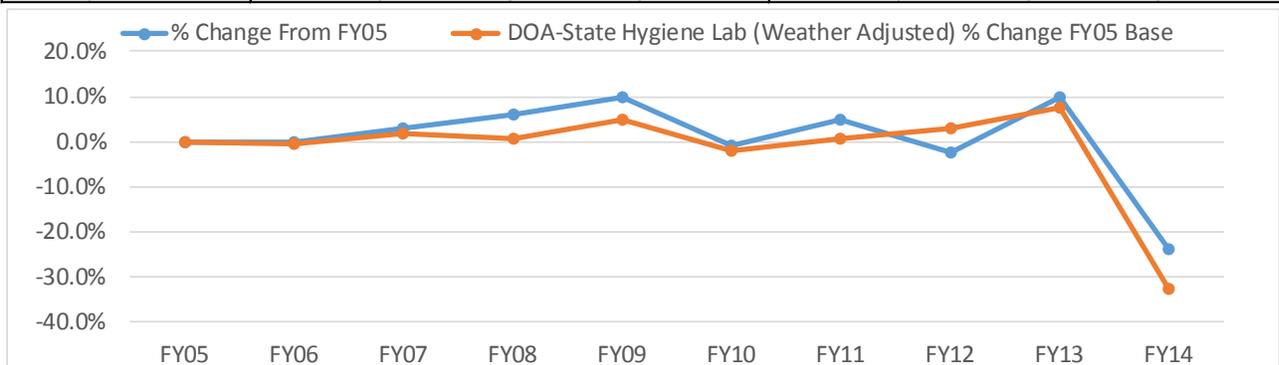
DOA-Public Broadcasting		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	48,246	128,605	129,746	258,351	0.0%	100.0%	100.0%	258,351	0.0%
FY06	48,246	98,018	123,853	221,871	-14.1%	99.0%	98.7%	219,243	-15.1%
FY07	48,246	95,086	100,630	195,716	-24.2%	98.1%	99.3%	193,206	-25.2%
FY08	48,246	97,915	102,515	200,430	-22.4%	91.1%	96.3%	187,897	-27.3%
FY09	48,246	105,107	105,091	210,198	-18.6%	97.1%	98.5%	205,534	-20.4%
FY10	48,246	107,512	104,616	212,128	-17.9%	97.9%	100.0%	209,885	-18.8%
FY11	48,246	111,323	102,905	214,228	-17.1%	100.6%	97.7%	212,488	-17.8%
FY12	48,246	122,323	103,573	225,896	-12.6%	102.3%	99.6%	228,267	-11.6%
FY13	48,246	112,353	104,457	216,810	-16.1%	99.7%	97.7%	214,058	-17.1%
FY14	48,246	84,388	95,518	179,907	-30.4%	95.0%	94.2%	170,140	-34.1%



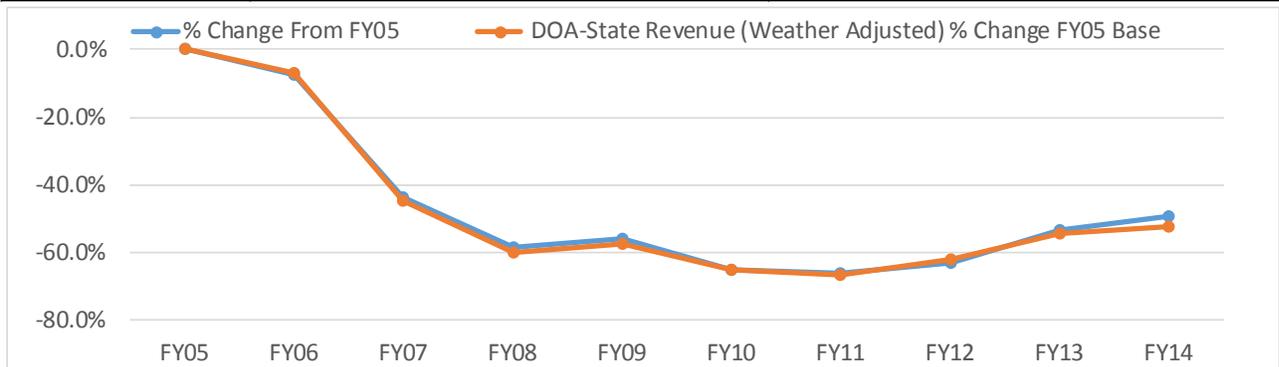
DOA-State Ag		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	118,011	44,767	45,771	90,538	0.0%	100.0%	100.0%	90,538	0.0%
FY06	118,011	46,996	47,488	94,484	4.4%	100.7%	98.7%	94,229	4.1%
FY07	118,011	45,919	45,363	91,283	0.8%	92.5%	99.3%	87,520	-3.3%
FY08	118,011	50,343	43,200	93,542	3.3%	90.4%	98.9%	88,211	-2.6%
FY09	118,011	48,159	40,397	88,556	-2.2%	86.8%	99.6%	82,058	-9.4%
FY10	118,011	39,881	39,166	79,047	-12.7%	95.0%	100.8%	77,351	-14.6%
FY11	118,011	41,563	38,225	79,788	-11.9%	88.4%	97.8%	74,132	-18.1%
FY12	118,011	31,247	35,444	66,692	-26.3%	114.0%	97.3%	70,128	-22.5%
FY13	118,011	38,563	35,237	73,799	-18.5%	92.5%	98.6%	70,415	-22.2%
FY14	118,011	49,736	35,596	85,332	-5.8%	95.8%	98.2%	82,607	-8.8%



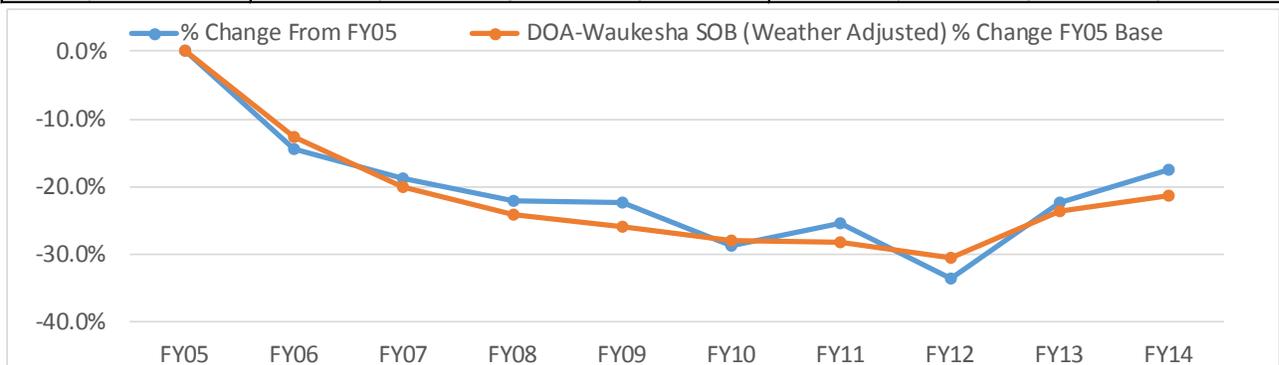
DOA-State Hygiene Lab		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	77,505	297,710	176,259	473,969	0.0%	100.0%	100.0%	473,969	0.0%
FY06	77,505	280,021	192,880	472,900	-0.2%	100.2%	98.9%	471,385	-0.5%
FY07	77,505	298,923	189,399	488,322	3.0%	98.3%	99.6%	482,676	1.8%
FY08	77,505	310,741	192,525	503,266	6.2%	92.3%	99.3%	477,776	0.8%
FY09	77,505	326,824	194,168	520,992	9.9%	92.6%	100.1%	496,888	4.8%
FY10	77,505	279,681	189,726	469,408	-1.0%	97.8%	100.8%	464,835	-1.9%
FY11	77,505	300,107	196,508	496,615	4.8%	94.5%	98.6%	477,438	0.7%
FY12	77,505	293,462	170,051	463,514	-2.2%	110.3%	96.9%	488,483	3.1%
FY13	77,505	345,524	175,931	521,455	10.0%	96.4%	100.1%	509,180	7.4%
FY14	160,344	229,182	132,158	361,340	-23.8%	81.9%	99.5%	319,171	-32.7%



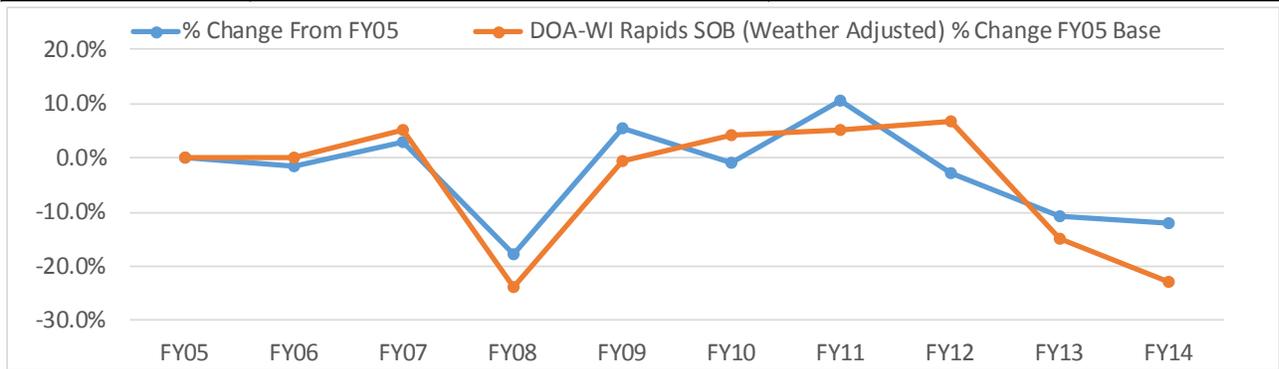
DOA-State Revenue		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	247,224	73,435	61,299	134,734	0.0%	100.0%	100.0%	134,734	0.0%
FY06	247,224	62,497	62,098	124,595	-7.5%	102.5%	98.7%	125,382	-6.9%
FY07	247,224	24,015	51,677	75,692	-43.8%	96.0%	100.0%	74,718	-44.5%
FY08	247,224	11,651	44,492	56,143	-58.3%	84.6%	99.5%	54,117	-59.8%
FY09	247,224	15,938	43,465	59,402	-55.9%	88.0%	99.9%	57,422	-57.4%
FY10	247,224	10,088	36,696	46,784	-65.3%	98.6%	100.6%	46,874	-65.2%
FY11	247,224	12,179	33,817	45,996	-65.9%	88.6%	101.2%	45,001	-66.6%
FY12	247,224	12,714	37,133	49,847	-63.0%	115.3%	97.9%	51,014	-62.1%
FY13	247,224	25,960	36,911	62,871	-53.3%	93.7%	99.8%	61,174	-54.6%
FY14	247,224	31,527	36,903	68,430	-49.2%	85.8%	100.4%	64,071	-52.4%



DOA-Waukesha SOB		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	169,976	44,800	56,937	101,737	0.0%	100.0%	100.0%	101,737	0.0%
FY06	169,976	36,390	50,590	86,981	-14.5%	106.7%	98.7%	88,757	-12.8%
FY07	169,976	32,300	50,248	82,549	-18.9%	97.8%	99.2%	81,429	-20.0%
FY08	169,976	28,465	50,841	79,306	-22.0%	94.5%	98.7%	77,103	-24.2%
FY09	169,976	28,974	49,954	78,928	-22.4%	90.0%	98.5%	75,275	-26.0%
FY10	169,976	24,756	47,896	72,652	-28.6%	102.7%	100.2%	73,414	-27.8%
FY11	169,976	28,687	47,106	75,793	-25.5%	93.1%	98.5%	73,109	-28.1%
FY12	169,976	19,840	47,771	67,611	-33.5%	118.7%	98.8%	70,754	-30.5%
FY13	169,976	27,911	51,217	79,128	-22.2%	96.7%	99.0%	77,717	-23.6%
FY14	169,976	37,456	46,445	83,901	-17.5%	91.6%	98.6%	80,099	-21.3%



DOA-WI Rapids SOB		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	51,552	50,308	27,827	78,136	0.0%	100.0%	100.0%	78,136	0.0%
FY06	51,552	42,140	34,877	77,017	-1.4%	103.2%	99.5%	78,199	0.1%
FY07	51,552	39,279	41,063	80,342	2.8%	104.9%	99.8%	82,177	5.2%
FY08	51,552	23,935	40,359	64,294	-17.7%	81.1%	99.5%	59,577	-23.8%
FY09	51,552	42,187	40,263	82,450	5.5%	89.5%	99.1%	77,660	-0.6%
FY10	51,552	39,496	37,848	77,344	-1.0%	109.7%	100.5%	81,361	4.1%
FY11	51,552	50,138	36,280	86,418	10.6%	92.0%	99.2%	82,153	5.1%
FY12	51,552	43,331	32,525	75,856	-2.9%	117.9%	99.7%	83,501	6.9%
FY13	51,552	38,431	31,307	69,738	-10.7%	91.6%	99.6%	66,371	-15.1%
FY14	51,552	38,735	29,858	68,593	-12.2%	80.1%	97.7%	60,204	-22.9%



# Agency Energy Use Summary

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## Department of Corrections



### SCOPE

Facilities Included: Columbia Correctional Institution; Prairie du Chien Correctional; Ethan Allen School; Racine Correctional Institution; Fox Lake Correctional Institution; Racine Youthful Offender Facility; Green Bay Correctional Institution; Redgranite Correctional Institution; Jackson Correctional Institution; Stanley Correctional Institution; Kettle Moraine Correctional Institution; Sturtevant Transitional Facility; Lincoln Hills School; Taycheedah Correctional Institution; Milwaukee Secure Detention Facility; Waupun Complex, includes - Dodge Correctional Institution and Waupun Correctional Institution; New Lisbon Correctional Institution; Oak Hill Correctional Institution; Oshkosh Correctional Institution; and Wisconsin Secure Program Facility

### ENERGY CONSUMPTION

**Total Change from Base - Weather Adjusted: 7.2 percent decrease.**

Energy use (BTU/GSF/Yr) for FY14 was 7.2 percent lower than in the base fiscal year, FY05.

**Latest Year Change - Weather Adjusted: 0.2 percent decrease.**

Energy use (BTU/GSF/Yr) for FY14 decreased 0.2 percent from the previous fiscal year.

***Average Annual Change - Weather Adjusted: 0.8 percent decrease per year.***

On average, energy use (BTU/GSF/Yr) has decreased 0.8 percent since the base year, FY05.

### GSF AND CONSUMPTION STATISTICS

***GSF Change from Base: 0.5 percent Increase.***

Gross square footage has increased 0.5% from the base fiscal year, FY05.

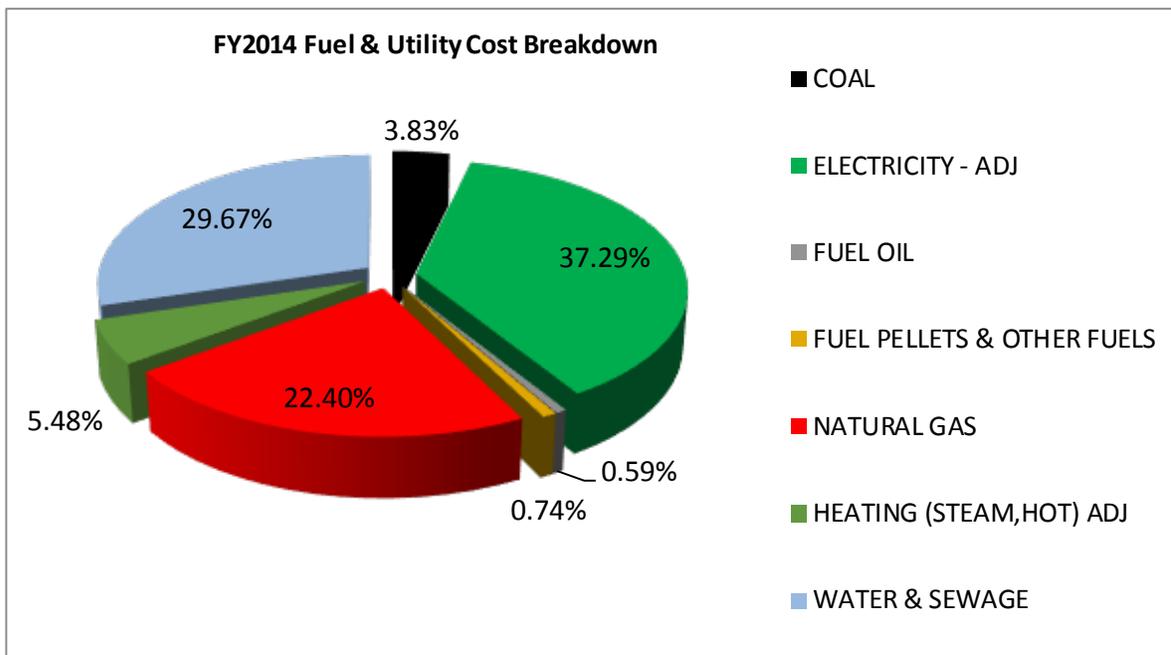
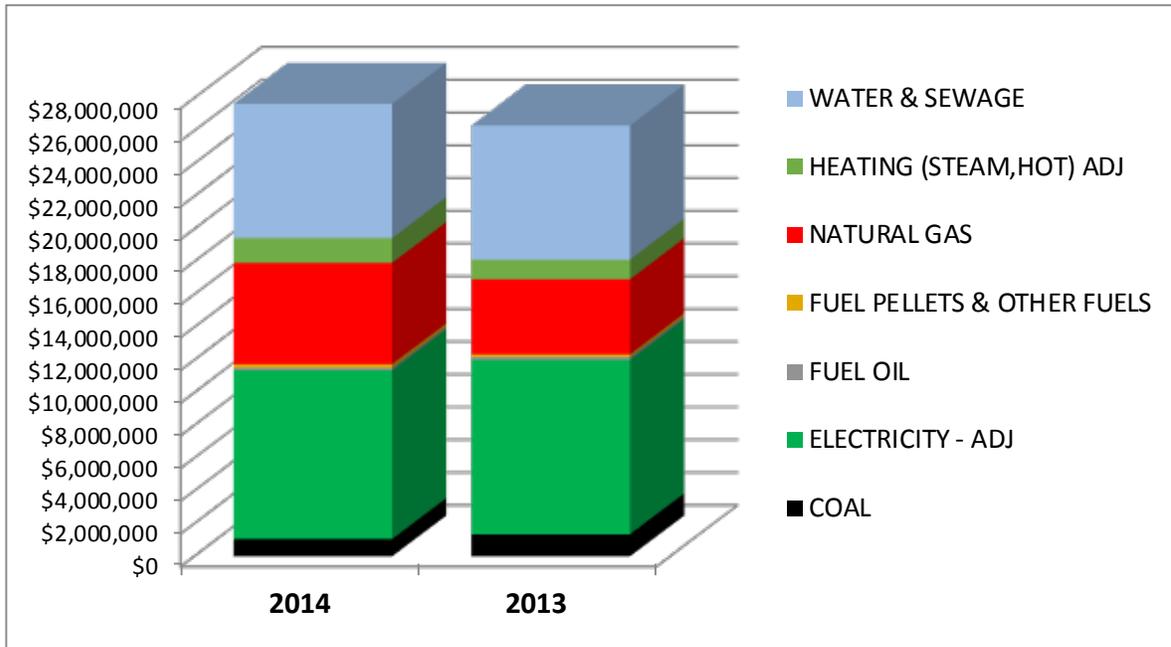
***Consumption Change from Base: 0.3 percent decrease.***

Total consumption was 0.3 percent less when compared to FY05. Total energy (million BTU) purchases in FY14 were 6.7 percent less than in the base year when adjusted for weather compared to FY05.

Agency Name: Corrections, Department of (410)

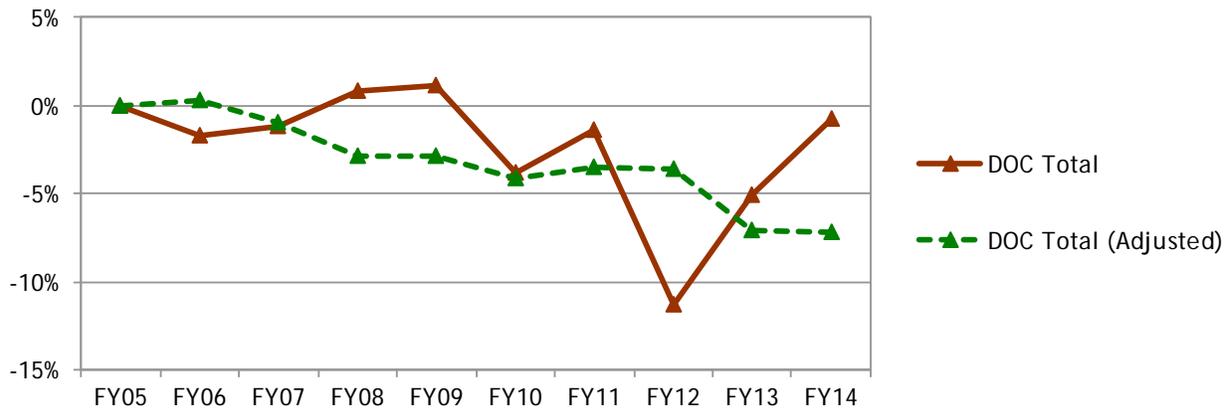
Category Name: Fuel and Utilities

Subcategory Code	Subcategory Name	Fiscal Year 2014	Fiscal Year 2013
3600	COAL	\$ 1,060,465	\$ 1,353,864
2500	ELECTRICITY - ADJ	\$ 10,315,696	\$ 10,653,801
3610	FUEL OIL	\$ 162,179	\$ 179,639
3620	FUEL PELLETS & OTHER FUELS	\$ 204,824	\$ 158,955
2510	NATURAL GAS	\$ 6,195,229	\$ 4,595,484
2520	HEATING (STEAM,HOT) ADJ	\$ 1,516,295	\$ 1,193,962
2540	WATER & SEWAGE	\$ 8,207,647	\$ 8,197,527
<b>Total (Adj for Waupun Corr. Inst. Sales)</b>		<b>\$ 27,662,336</b>	<b>\$ 26,333,233</b>

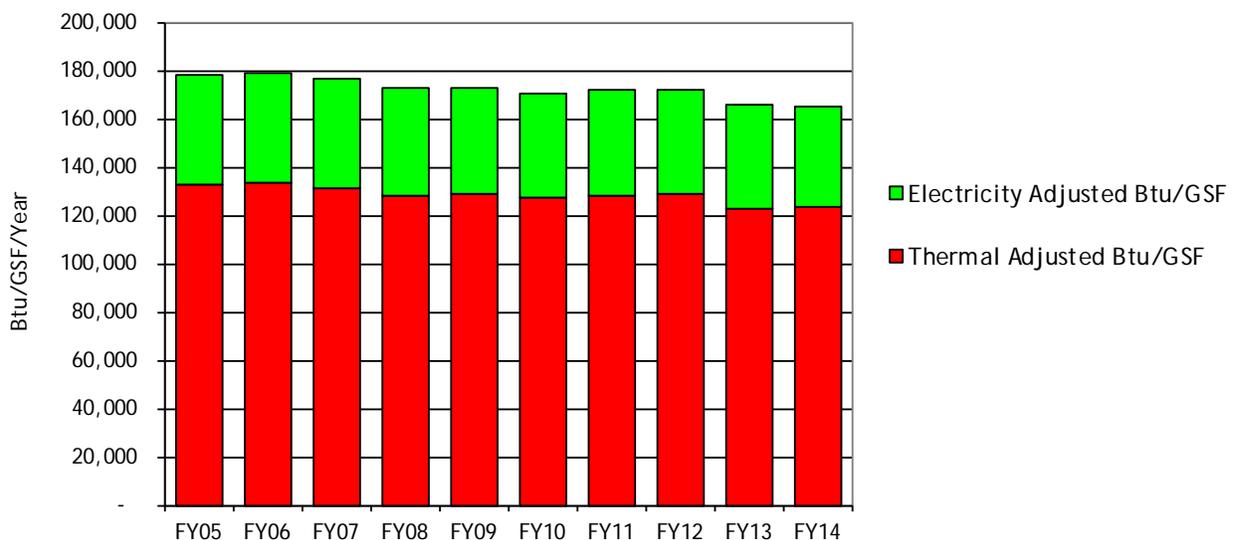


Department of Corrections DOC Total									
Fiscal Year	GSF	BTU/GSF				Weather-Adjusted			
		Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
<b>FY05</b>	8,230,122	132,660	45,406	178,066	0.0%	100.0%	100.0%	178,066	0.0%
<b>FY06</b>	8,241,872	129,685	45,262	174,947	-1.8%	102.9%	99.6%	178,601	0.3%
<b>FY07</b>	8,241,872	130,889	45,022	175,911	-1.2%	100.3%	99.8%	176,257	-1.0%
<b>FY08</b>	8,241,872	134,139	45,434	179,574	0.8%	95.4%	99.1%	173,033	-2.8%
<b>FY09</b>	8,241,872	135,521	44,649	180,170	1.2%	94.8%	99.3%	172,880	-2.9%
<b>FY10</b>	8,241,872	127,844	43,452	171,295	-3.8%	99.6%	100.0%	170,749	-4.1%
<b>FY11</b>	8,269,898	131,818	43,819	175,636	-1.4%	97.3%	99.4%	171,786	-3.5%
<b>FY12</b>	8,269,898	115,139	42,783	157,922	-11.3%	111.7%	100.5%	171,562	-3.7%
<b>FY13</b>	8,269,898	126,642	42,292	168,934	-5.1%	97.2%	100.5%	165,539	-7.0%
<b>FY14</b>	8,269,898	134,651	42,003	176,655	-0.8%	91.9%	98.9%	165,285	-7.2%

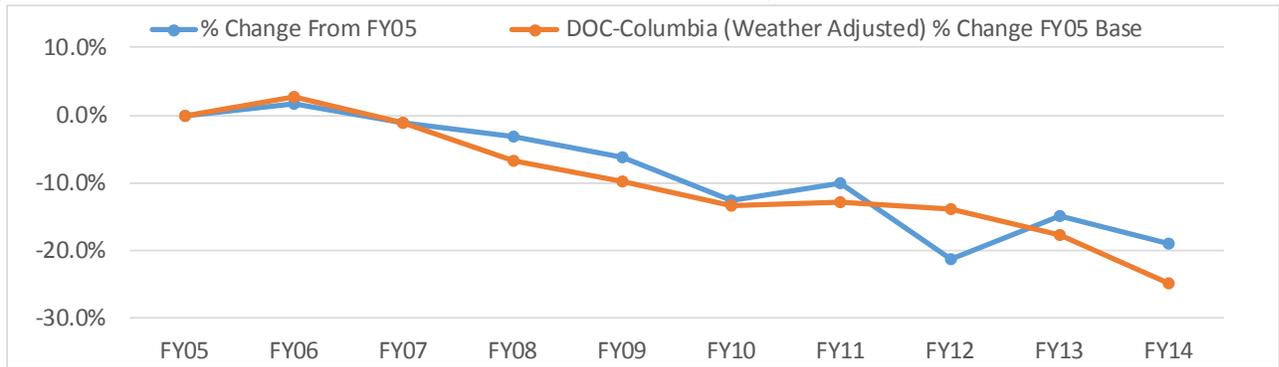
Percent Change from Base (BTU/GSF)



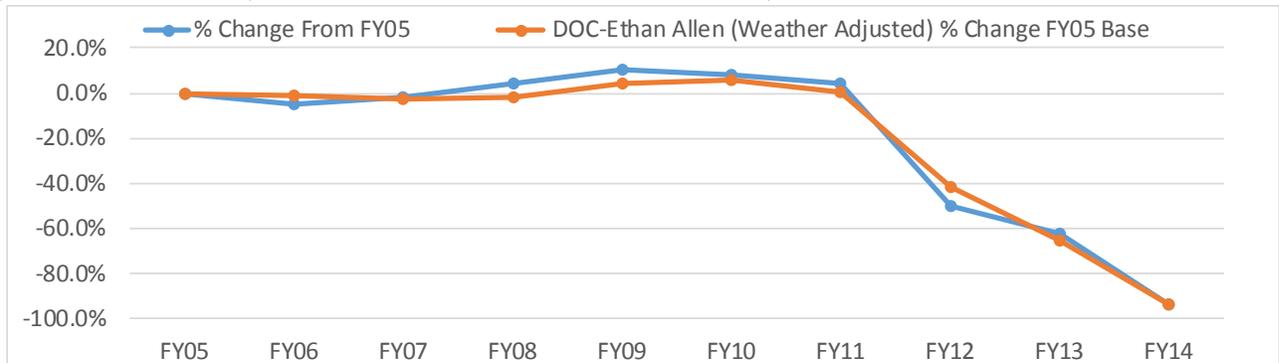
Department of Corrections Energy Usage (BTU/GSF)



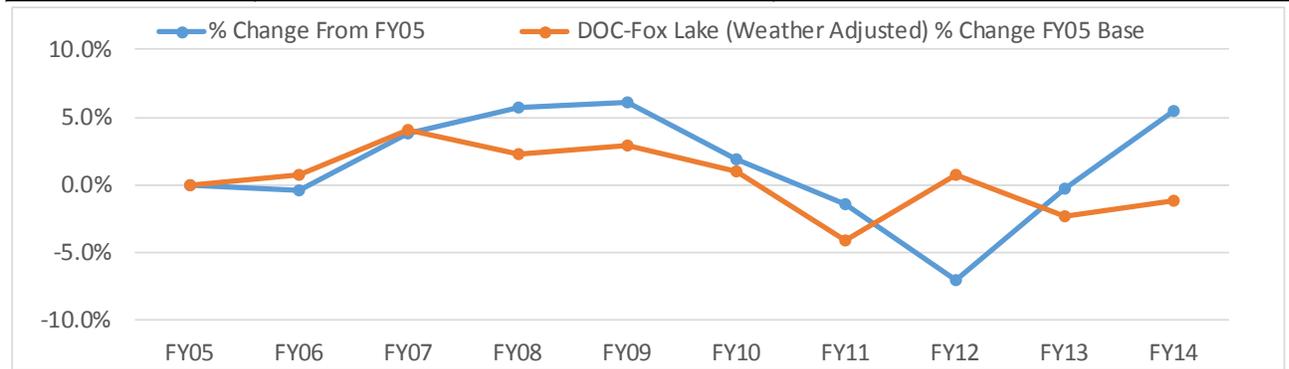
DOC-Columbia		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	330,807	101,211	61,594	162,805	0.0%	100.0%	100.0%	162,805	0.0%
FY06	330,807	102,969	62,609	165,578	1.7%	101.7%	99.5%	167,073	2.6%
FY07	330,807	99,321	61,866	161,187	-1.0%	99.9%	99.9%	160,993	-1.1%
FY08	330,807	96,556	61,086	157,642	-3.2%	94.7%	99.1%	152,022	-6.6%
FY09	330,807	97,894	54,784	152,678	-6.2%	94.5%	99.6%	147,048	-9.7%
FY10	330,807	90,489	51,677	142,166	-12.7%	98.6%	100.1%	140,914	-13.4%
FY11	330,807	93,736	52,754	146,490	-10.0%	95.9%	98.7%	141,989	-12.8%
FY12	330,807	76,039	52,036	128,074	-21.3%	116.1%	99.9%	140,243	-13.9%
FY13	330,807	87,419	51,107	138,526	-14.9%	95.5%	98.9%	134,030	-17.7%
FY14	330,807	79,482	52,584	132,066	-18.9%	88.8%	98.2%	122,209	-24.9%



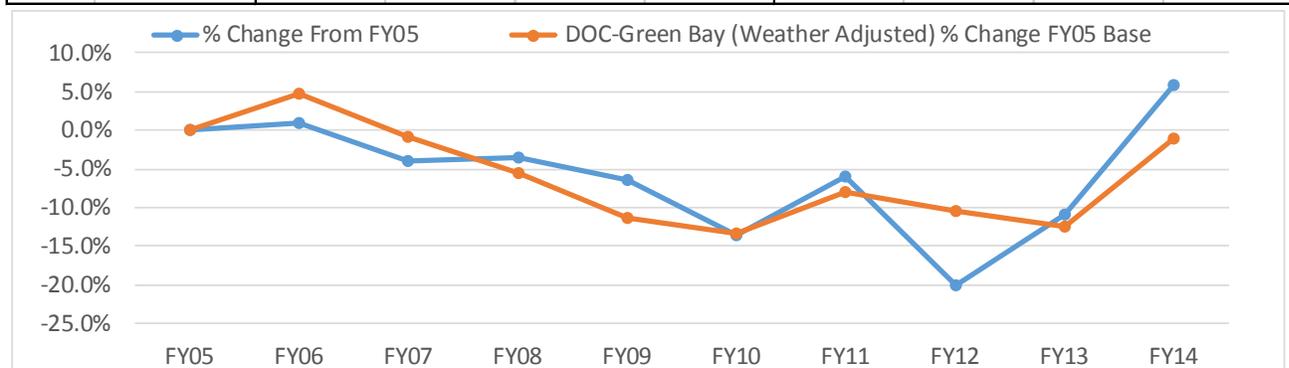
DOC-Ethan Allen		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	319,034	132,397	36,872	169,270	0.0%	100.0%	100.0%	169,270	0.0%
FY06	319,034	125,517	35,933	161,451	-4.6%	104.8%	99.7%	167,389	-1.1%
FY07	319,034	130,223	35,422	165,646	-2.1%	99.2%	99.6%	164,479	-2.8%
FY08	319,034	141,038	35,899	176,938	4.5%	93.1%	98.5%	166,697	-1.5%
FY09	319,034	151,344	35,347	186,691	10.3%	93.8%	98.9%	176,899	4.5%
FY10	319,034	148,157	34,990	183,147	8.2%	97.4%	99.8%	179,271	5.9%
FY11	330,287	143,612	33,101	176,713	4.4%	95.5%	98.2%	169,604	0.2%
FY12	330,287	68,741	16,314	85,054	-49.8%	118.6%	102.4%	98,228	-42.0%
FY13	330,287	51,784	11,984	63,768	-62.3%	89.9%	97.8%	58,266	-65.6%
FY14	330,287	-	10,397	10,397	-93.9%	100.0%	97.5%	10,140	-94.0%



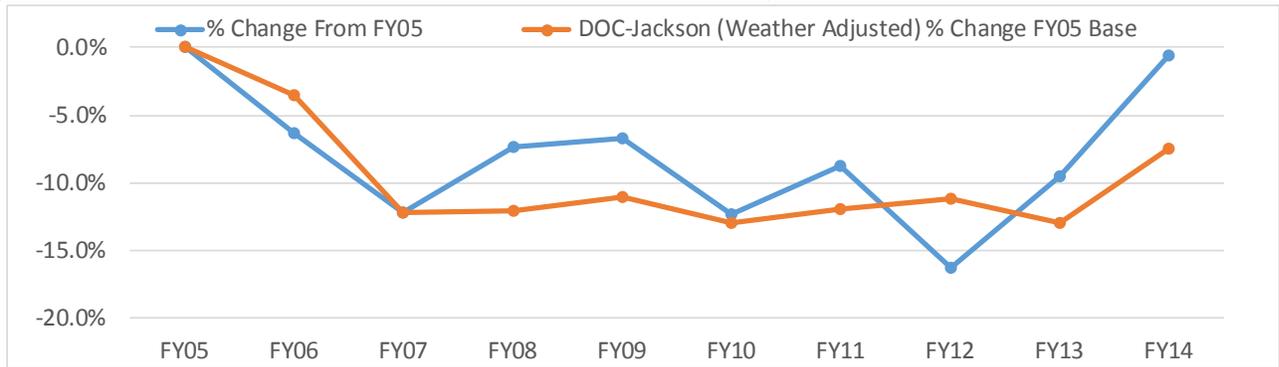
DOC-Fox Lake		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	533,407	149,959	39,424	189,382	0.0%	100.0%	100.0%	189,382	0.0%
FY06	533,407	150,044	38,497	188,540	-0.4%	101.6%	99.8%	190,798	0.7%
FY07	533,407	156,180	40,495	196,675	3.9%	100.4%	99.5%	197,108	4.1%
FY08	533,407	158,407	41,802	200,209	5.7%	96.4%	97.9%	193,650	2.3%
FY09	533,407	160,560	40,495	201,055	6.2%	96.6%	98.4%	194,956	2.9%
FY10	533,407	154,130	38,859	192,990	1.9%	99.2%	99.2%	191,390	1.1%
FY11	533,407	146,696	40,023	186,719	-1.4%	97.0%	98.2%	181,564	-4.1%
FY12	533,407	137,316	38,721	176,037	-7.0%	111.1%	99.1%	190,888	0.8%
FY13	533,407	149,603	39,251	188,854	-0.3%	97.8%	98.4%	184,930	-2.4%
FY14	533,407	160,281	39,451	199,732	5.5%	92.5%	98.7%	187,130	-1.2%



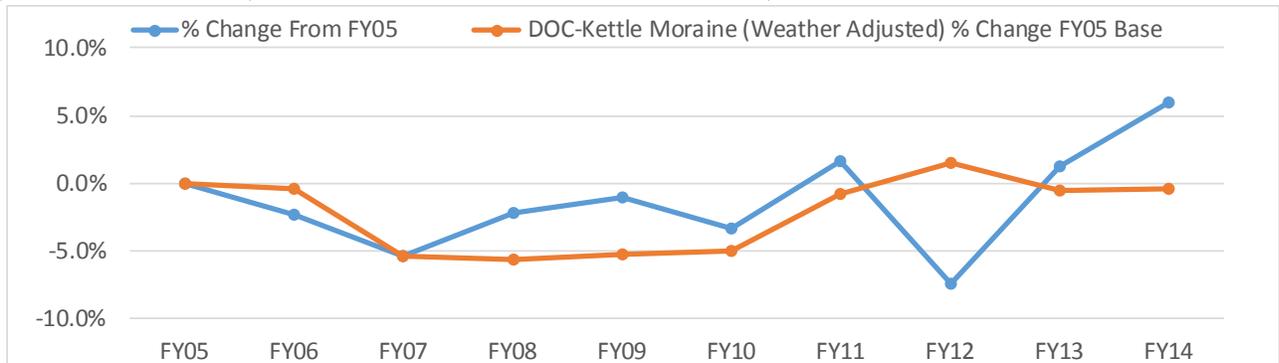
DOC-Green Bay		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	453,750	146,759	32,097	178,856	0.0%	100.0%	100.0%	178,856	0.0%
FY06	453,750	147,306	33,408	180,714	1.0%	104.6%	100.0%	187,493	4.8%
FY07	453,750	139,103	32,619	171,722	-4.0%	103.9%	100.1%	177,181	-0.9%
FY08	453,750	139,251	33,211	172,462	-3.6%	97.6%	99.3%	168,930	-5.5%
FY09	453,750	135,705	31,831	167,536	-6.3%	93.4%	99.4%	158,439	-11.4%
FY10	453,750	123,702	30,828	154,531	-13.6%	100.5%	100.2%	155,167	-13.2%
FY11	453,750	136,752	31,257	168,009	-6.1%	97.5%	99.7%	164,556	-8.0%
FY12	453,750	112,157	30,945	143,102	-20.0%	115.2%	100.1%	160,189	-10.4%
FY13	453,750	128,064	31,432	159,496	-10.8%	97.8%	99.8%	156,577	-12.5%
FY14	453,750	157,043	32,353	189,396	5.9%	92.3%	99.1%	176,935	-1.1%



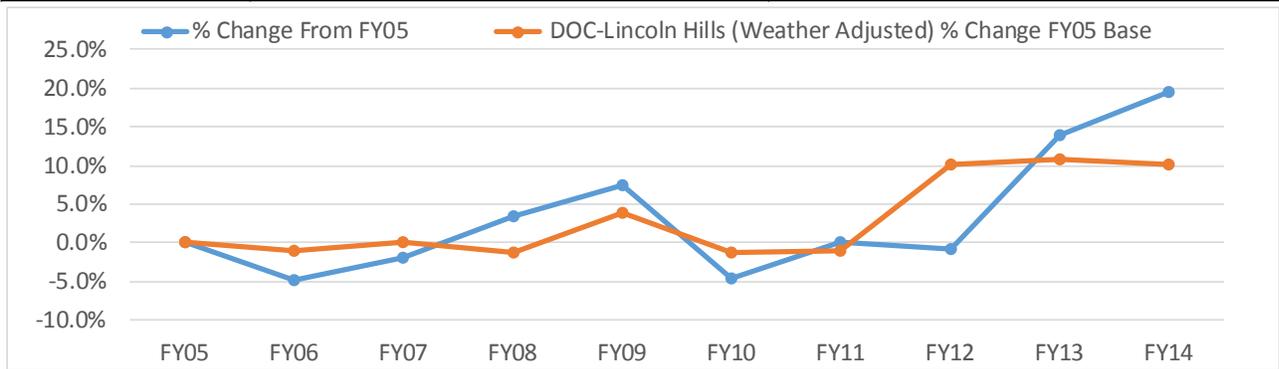
DOC-Jackson		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	390,613	120,043	59,864	179,907	0.0%	100.0%	100.0%	179,907	0.0%
FY06	390,613	116,901	51,678	168,579	-6.3%	104.4%	99.8%	173,653	-3.5%
FY07	390,613	106,704	51,339	158,043	-12.2%	100.0%	99.8%	157,902	-12.2%
FY08	390,613	116,608	49,995	166,603	-7.4%	93.0%	99.4%	158,189	-12.1%
FY09	390,613	117,792	50,166	167,959	-6.6%	93.4%	99.5%	159,947	-11.1%
FY10	390,613	109,180	48,546	157,726	-12.3%	99.0%	100.0%	156,695	-12.9%
FY11	390,613	115,370	48,826	164,196	-8.7%	95.2%	99.4%	158,434	-11.9%
FY12	390,613	102,124	48,606	150,730	-16.2%	109.0%	99.9%	159,823	-11.2%
FY13	390,613	113,949	48,803	162,751	-9.5%	94.9%	99.5%	156,656	-12.9%
FY14	390,613	130,328	48,505	178,833	-0.6%	90.3%	100.3%	166,374	-7.5%



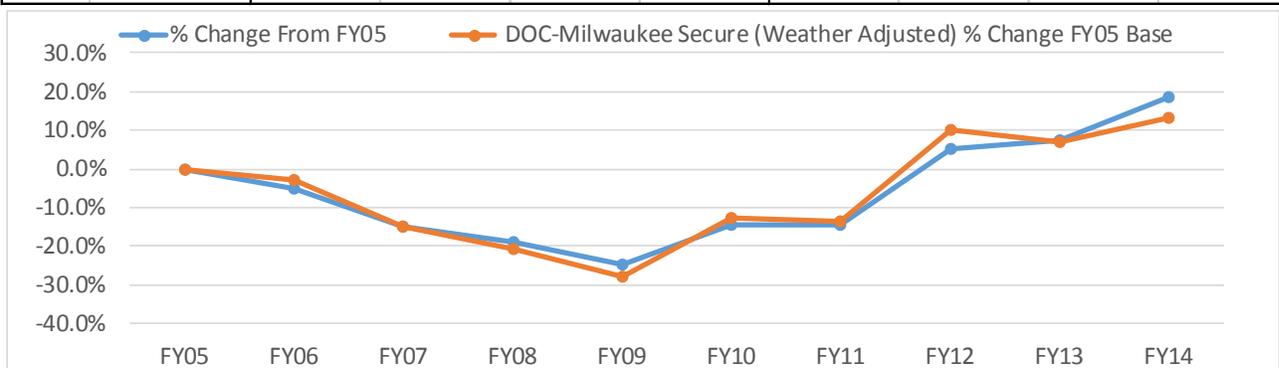
DOC-Kettle Moraine		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	361,612	144,408	49,005	193,413	0.0%	100.0%	100.0%	193,413	0.0%
FY06	361,612	138,897	50,138	189,035	-2.3%	102.4%	100.6%	192,658	-0.4%
FY07	361,612	132,421	50,482	182,903	-5.4%	99.6%	101.1%	182,949	-5.4%
FY08	361,612	138,258	50,885	189,143	-2.2%	95.0%	100.9%	182,647	-5.6%
FY09	361,612	140,573	50,817	191,390	-1.0%	94.5%	99.3%	183,259	-5.3%
FY10	361,612	136,537	50,441	186,978	-3.3%	97.5%	100.5%	183,848	-4.9%
FY11	361,612	144,475	52,175	196,650	1.7%	96.8%	99.5%	191,793	-0.8%
FY12	361,612	129,572	49,476	179,049	-7.4%	112.9%	101.0%	196,260	1.5%
FY13	361,612	149,178	46,663	195,841	1.3%	98.0%	99.1%	192,409	-0.5%
FY14	361,612	160,181	44,828	205,009	6.0%	92.8%	98.3%	192,668	-0.4%



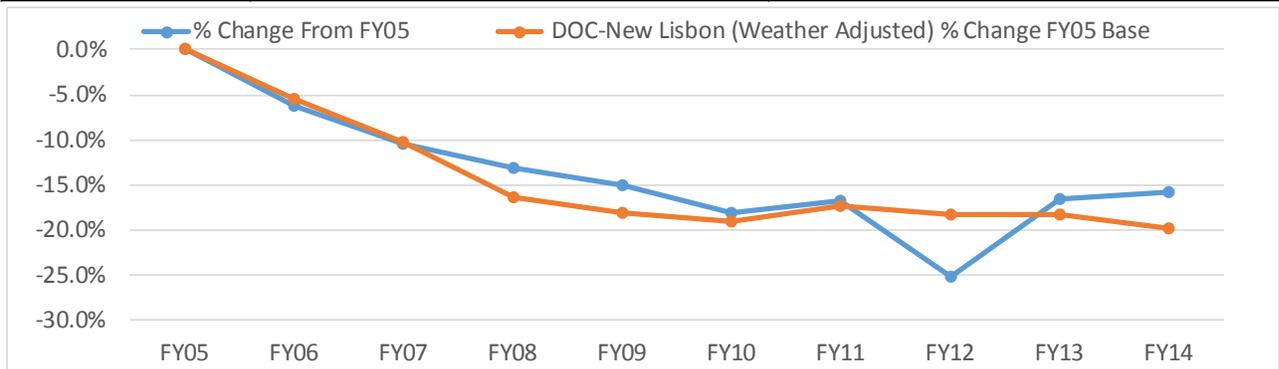
DOC-Lincoln Hills		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	249,792	124,056	30,725	154,781	0.0%	100.0%	100.0%	154,781	0.0%
FY06	249,792	118,831	28,501	147,332	-4.8%	104.8%	100.2%	153,158	-1.0%
FY07	249,792	123,766	27,976	151,742	-2.0%	102.6%	99.9%	154,919	0.1%
FY08	249,792	128,636	31,397	160,033	3.4%	94.6%	98.9%	152,735	-1.3%
FY09	249,792	133,673	32,717	166,390	7.5%	95.9%	99.8%	160,810	3.9%
FY10	249,792	117,257	30,441	147,698	-4.6%	104.2%	100.3%	152,722	-1.3%
FY11	249,792	124,713	30,228	154,941	0.1%	98.6%	99.4%	153,048	-1.1%
FY12	249,792	118,982	34,727	153,709	-0.7%	113.8%	100.7%	170,380	10.1%
FY13	249,792	137,976	38,281	176,257	13.9%	96.6%	99.5%	171,365	10.7%
FY14	249,792	146,481	38,382	184,863	19.4%	90.2%	100.0%	170,461	10.1%



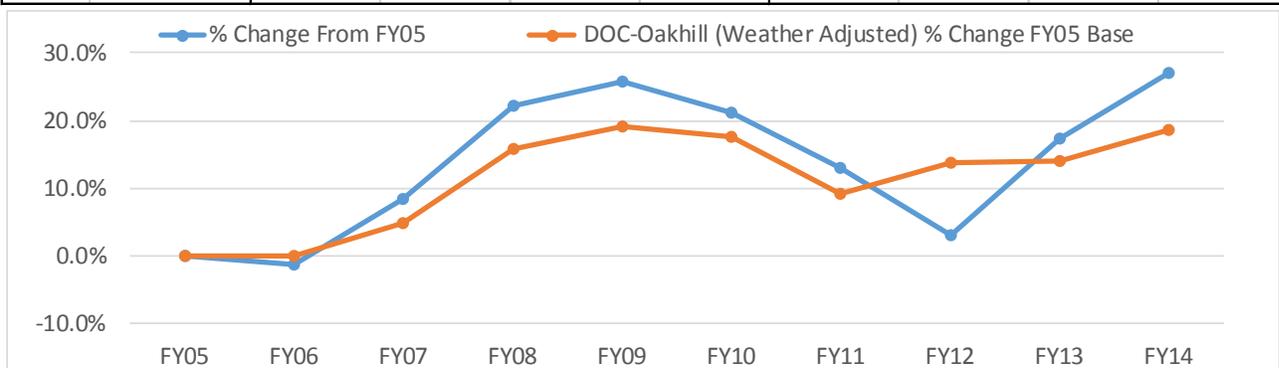
DOC-Milwaukee Secure		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	413,011	54,540	33,939	88,479	0.0%	100.0%	100.0%	88,479	0.0%
FY06	413,011	47,428	36,537	83,964	-5.1%	106.4%	97.6%	86,095	-2.7%
FY07	413,011	37,743	37,680	75,423	-14.8%	100.4%	98.9%	75,144	-15.1%
FY08	413,011	34,956	36,872	71,827	-18.8%	96.7%	98.8%	70,216	-20.6%
FY09	413,011	28,626	37,821	66,446	-24.9%	91.5%	99.5%	63,812	-27.9%
FY10	413,011	36,433	39,180	75,612	-14.5%	104.6%	99.5%	77,104	-12.9%
FY11	413,011	36,722	38,916	75,638	-14.5%	103.7%	98.5%	76,439	-13.6%
FY12	413,011	52,506	40,523	93,029	5.1%	111.7%	96.0%	97,552	10.3%
FY13	413,011	56,572	38,516	95,088	7.5%	99.4%	99.3%	94,472	6.8%
FY14	413,011	66,797	38,107	104,904	18.6%	93.1%	99.8%	100,256	13.3%



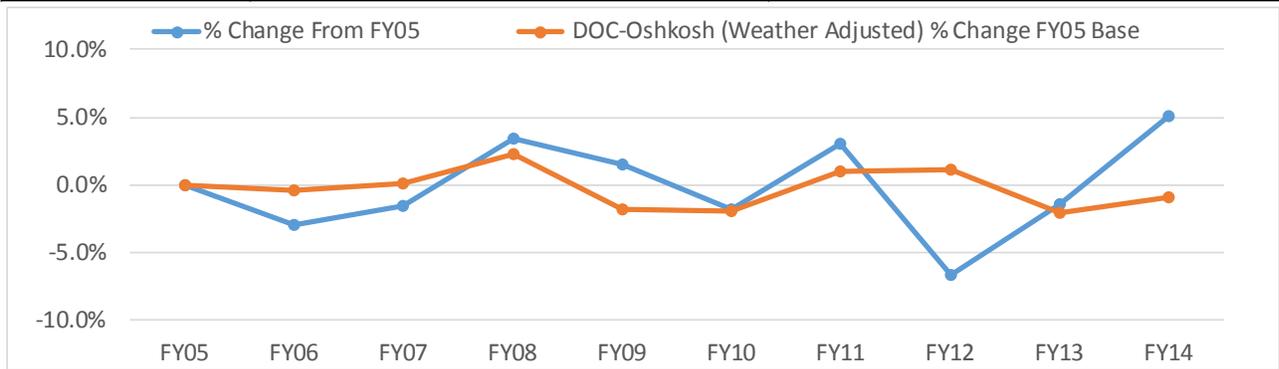
DOC-New Lisbon		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	316,878	156,152	68,006	224,158	0.0%	100.0%	100.0%	224,158	0.0%
FY06	316,878	140,266	69,779	210,045	-6.3%	101.3%	100.0%	211,918	-5.5%
FY07	316,878	133,273	67,612	200,885	-10.4%	100.3%	99.7%	201,023	-10.3%
FY08	316,878	128,558	66,143	194,701	-13.1%	94.8%	99.2%	187,515	-16.3%
FY09	316,878	127,214	63,464	190,678	-14.9%	94.7%	99.7%	183,734	-18.0%
FY10	316,878	120,443	63,345	183,788	-18.0%	98.2%	99.7%	181,444	-19.1%
FY11	316,878	122,922	63,509	186,431	-16.8%	99.3%	99.3%	185,123	-17.4%
FY12	316,878	105,377	62,385	167,762	-25.2%	114.2%	100.5%	183,054	-18.3%
FY13	316,878	125,151	62,072	187,223	-16.5%	97.1%	99.1%	183,066	-18.3%
FY14	316,878	126,244	62,653	188,897	-15.7%	93.1%	99.1%	179,586	-19.9%



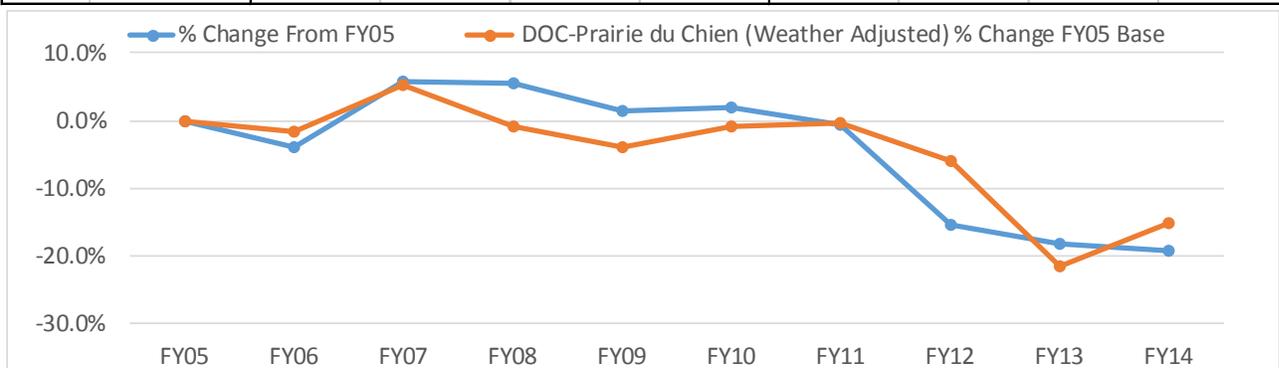
DOC-Oakhill		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	319,630	123,588	33,738	157,326	0.0%	100.0%	100.0%	157,326	0.0%
FY06	331,380	120,605	34,859	155,465	-1.2%	101.8%	99.0%	157,255	0.0%
FY07	331,380	134,930	35,774	170,704	8.5%	96.0%	99.1%	165,012	4.9%
FY08	331,380	155,265	37,158	192,423	22.3%	93.9%	97.8%	182,131	15.8%
FY09	331,380	161,178	36,568	197,746	25.7%	93.9%	98.8%	187,445	19.1%
FY10	331,380	153,778	37,041	190,818	21.3%	96.3%	99.4%	184,926	17.5%
FY11	348,153	141,509	36,421	177,929	13.1%	96.2%	98.2%	171,948	9.3%
FY12	348,153	125,267	37,091	162,358	3.2%	113.8%	98.3%	179,074	13.8%
FY13	348,153	147,566	36,939	184,506	17.3%	97.0%	98.4%	179,522	14.1%
FY14	348,153	162,932	36,966	199,897	27.1%	92.0%	99.3%	186,578	18.6%



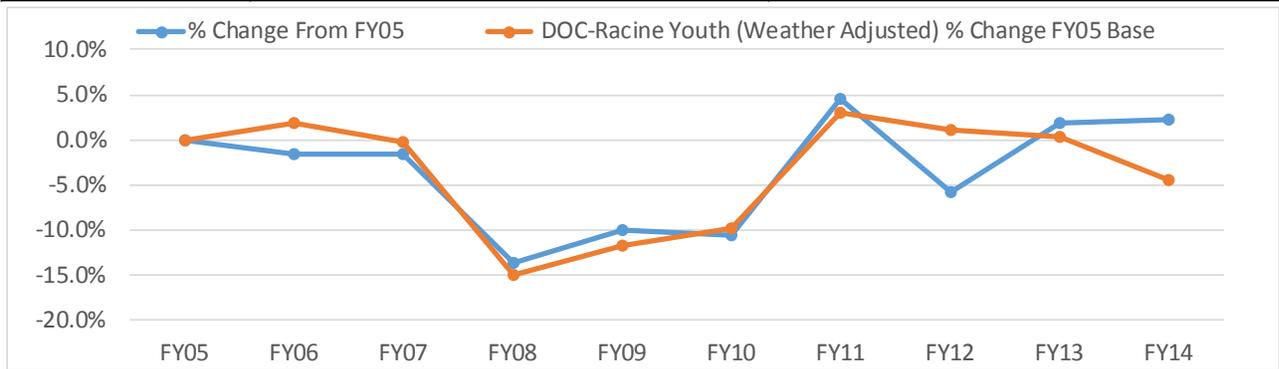
DOC-Oshkosh		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	890,187	112,252	42,105	154,357	0.0%	100.0%	100.0%	154,357	0.0%
FY06	890,187	107,877	41,991	149,868	-2.9%	103.6%	99.9%	153,656	-0.5%
FY07	890,187	109,030	42,903	151,932	-1.6%	102.3%	100.1%	154,453	0.1%
FY08	890,187	116,494	43,110	159,605	3.4%	98.7%	99.3%	157,796	2.2%
FY09	890,187	114,436	42,311	156,747	1.5%	95.7%	99.3%	151,557	-1.8%
FY10	890,187	110,648	41,021	151,669	-1.7%	99.6%	100.3%	151,364	-1.9%
FY11	890,187	117,976	41,112	159,088	3.1%	97.6%	99.3%	155,990	1.1%
FY12	890,187	103,233	40,770	144,003	-6.7%	111.6%	100.5%	156,144	1.2%
FY13	890,187	111,171	40,913	152,084	-1.5%	99.3%	99.8%	151,188	-2.1%
FY14	890,187	122,831	39,403	162,234	5.1%	92.7%	98.9%	152,886	-1.0%



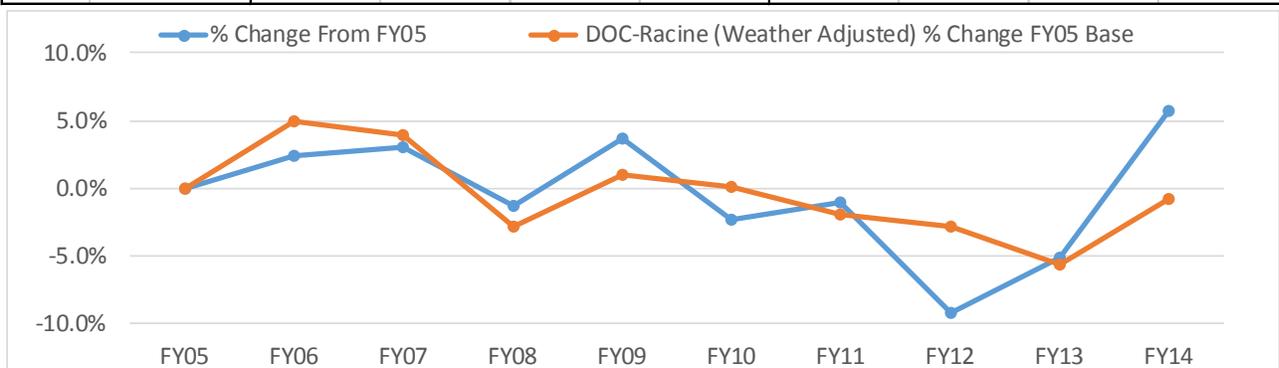
DOC-Prairie du Chien		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	383,100	105,090	16,589	121,679	0.0%	100.0%	100.0%	121,679	0.0%
FY06	383,100	99,802	17,172	116,974	-3.9%	102.8%	99.8%	119,687	-1.6%
FY07	383,100	109,906	18,685	128,591	5.7%	99.8%	99.5%	128,238	5.4%
FY08	383,100	109,408	19,144	128,552	5.6%	93.1%	98.8%	120,730	-0.8%
FY09	383,100	105,144	18,166	123,310	1.3%	93.9%	99.2%	116,773	-4.0%
FY10	383,100	105,909	18,289	124,199	2.1%	96.7%	99.7%	120,630	-0.9%
FY11	383,100	103,314	17,669	120,983	-0.6%	100.5%	98.9%	121,333	-0.3%
FY12	383,100	85,752	17,167	102,918	-15.4%	113.2%	100.9%	114,411	-6.0%
FY13	383,100	84,135	15,515	99,650	-18.1%	95.2%	98.5%	95,359	-21.6%
FY14	383,100	82,630	15,751	98,382	-19.1%	106.1%	98.3%	103,140	-15.2%



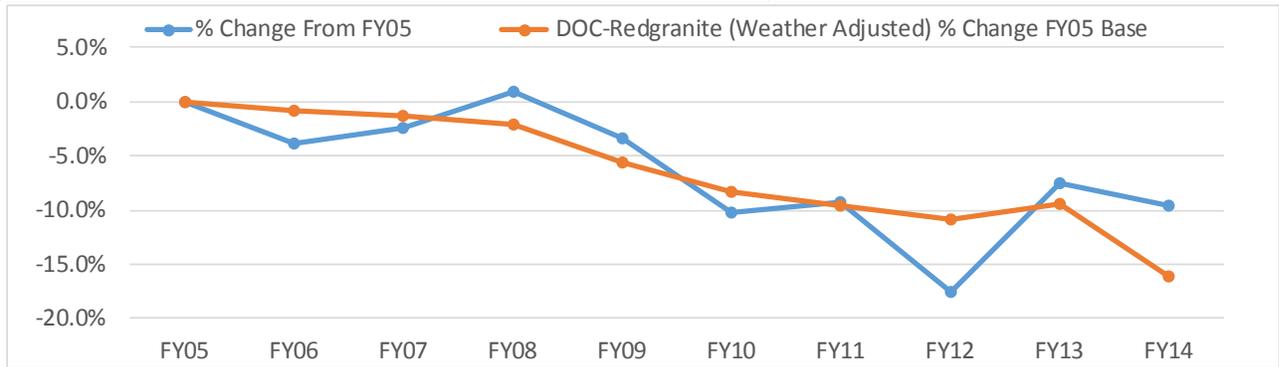
DOC-Racine Youth		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	207,697	85,046	38,193	123,239	0.0%	100.0%	100.0%	123,239	0.0%
FY06	207,697	80,443	40,758	121,201	-1.7%	106.4%	97.9%	125,477	1.8%
FY07	207,697	80,478	40,715	121,193	-1.7%	102.8%	98.9%	123,005	-0.2%
FY08	207,697	66,072	40,406	106,478	-13.6%	98.5%	98.5%	104,893	-14.9%
FY09	207,697	72,363	38,660	111,023	-9.9%	97.3%	99.1%	108,744	-11.8%
FY10	207,697	72,763	37,540	110,303	-10.5%	101.4%	99.7%	111,177	-9.8%
FY11	207,697	89,156	39,752	128,908	4.6%	98.8%	97.6%	126,857	2.9%
FY12	207,697	75,118	41,040	116,158	-5.7%	112.7%	97.6%	124,690	1.2%
FY13	207,697	84,271	41,215	125,486	1.8%	98.6%	98.6%	123,688	0.4%
FY14	207,697	89,930	36,137	126,067	2.3%	91.7%	97.8%	117,821	-4.4%



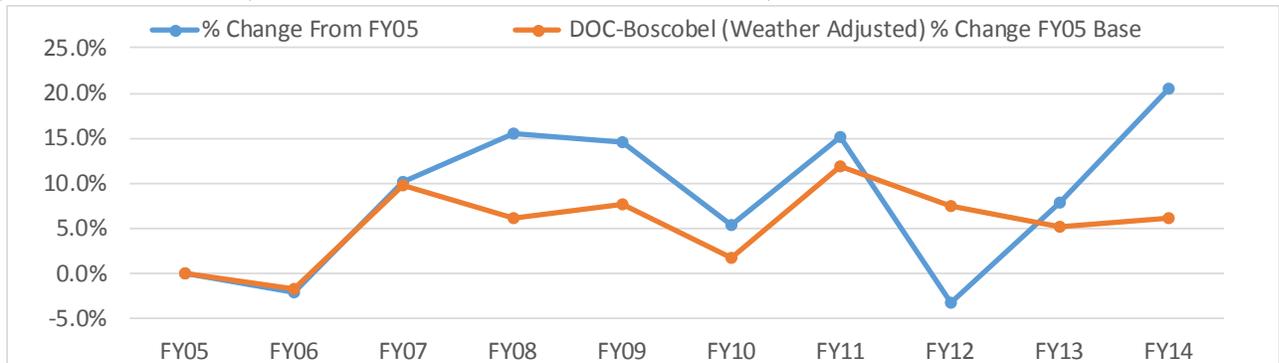
DOC-Racine		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	409,046	106,944	67,085	174,029	0.0%	100.0%	100.0%	174,029	0.0%
FY06	409,046	109,439	68,714	178,153	2.4%	104.4%	99.5%	182,578	4.9%
FY07	409,046	110,566	68,676	179,242	3.0%	101.7%	99.8%	180,956	4.0%
FY08	409,046	103,329	68,480	171,809	-1.3%	98.0%	98.9%	169,025	-2.9%
FY09	409,046	112,264	68,076	180,340	3.6%	96.3%	99.3%	175,753	1.0%
FY10	409,046	105,822	64,164	169,986	-2.3%	104.1%	100.1%	174,333	0.2%
FY11	409,046	110,909	61,212	172,121	-1.1%	99.3%	98.9%	170,631	-2.0%
FY12	409,046	97,050	60,909	157,959	-9.2%	111.5%	100.1%	169,224	-2.8%
FY13	409,046	104,257	60,837	165,093	-5.1%	99.5%	99.5%	164,300	-5.6%
FY14	409,046	120,628	63,458	184,086	5.8%	91.1%	98.9%	172,628	-0.8%



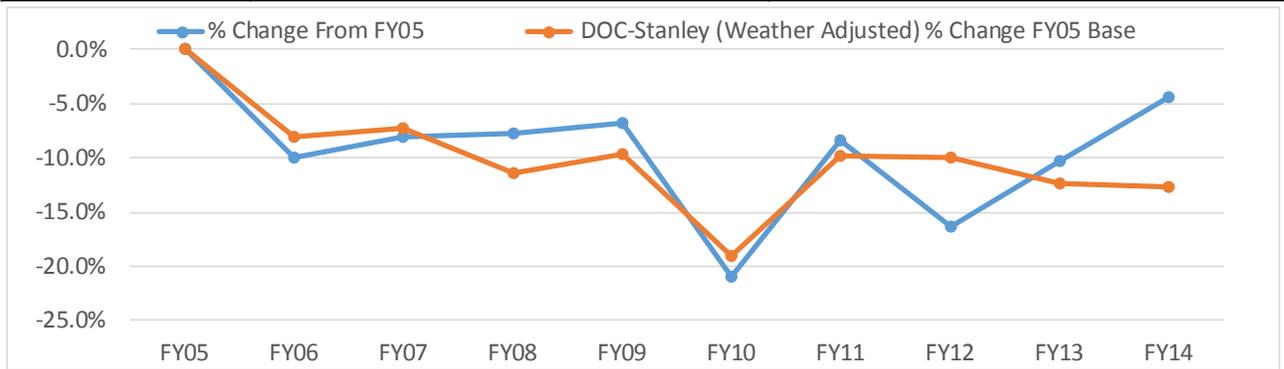
DOC-Redgranite		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	310,135	152,068	61,358	213,425	0.0%	100.0%	100.0%	213,425	0.0%
FY06	310,135	143,563	61,625	205,188	-3.9%	104.5%	100.0%	211,669	-0.8%
FY07	310,135	147,920	60,417	208,337	-2.4%	101.6%	100.0%	210,643	-1.3%
FY08	310,135	154,523	60,863	215,386	0.9%	96.0%	99.4%	208,905	-2.1%
FY09	310,135	145,411	60,714	206,125	-3.4%	96.9%	99.6%	201,295	-5.7%
FY10	310,135	131,445	60,011	191,456	-10.3%	103.1%	100.2%	195,642	-8.3%
FY11	310,135	134,920	58,674	193,594	-9.3%	99.8%	99.5%	192,989	-9.6%
FY12	310,135	118,110	57,891	176,001	-17.5%	111.9%	100.4%	190,318	-10.8%
FY13	310,135	139,269	57,954	197,223	-7.6%	97.2%	99.7%	193,168	-9.5%
FY14	310,135	137,482	55,539	193,021	-9.6%	90.3%	98.9%	179,051	-16.1%



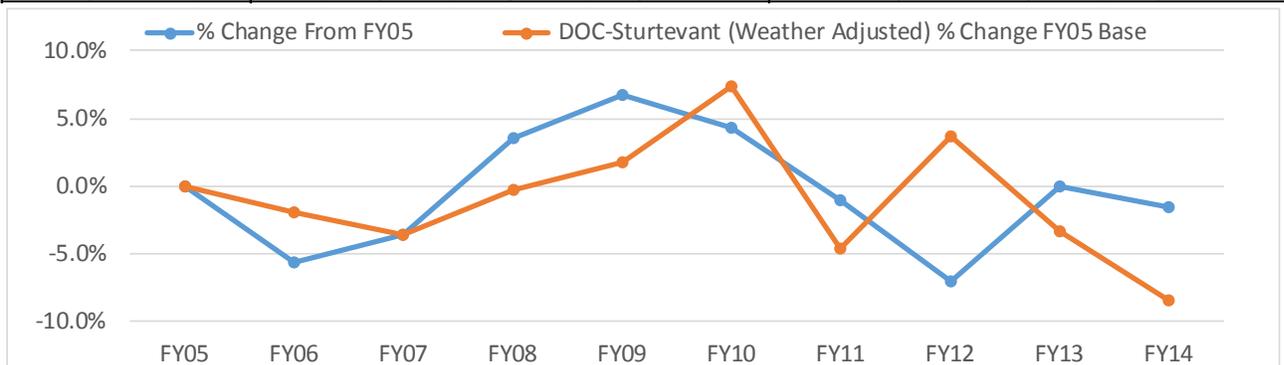
DOC-Boscobel		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	195,000	117,908	65,580	183,488	0.0%	100.0%	100.0%	183,488	0.0%
FY06	195,000	110,590	69,209	179,800	-2.0%	101.4%	98.8%	180,480	-1.6%
FY07	195,000	130,509	71,510	202,019	10.1%	100.2%	99.0%	201,606	9.9%
FY08	195,000	140,829	71,092	211,921	15.5%	88.6%	98.5%	194,802	6.2%
FY09	195,000	141,322	68,940	210,262	14.6%	91.3%	99.4%	197,479	7.6%
FY10	195,000	125,478	67,731	193,210	5.3%	95.1%	99.5%	186,696	1.7%
FY11	195,000	142,574	68,570	211,144	15.1%	97.0%	97.7%	205,316	11.9%
FY12	195,000	110,054	67,349	177,403	-3.3%	119.1%	98.4%	197,355	7.6%
FY13	195,000	131,264	66,796	198,059	7.9%	97.1%	98.3%	193,128	5.3%
FY14	195,000	154,267	66,998	221,265	20.6%	83.2%	98.9%	194,649	6.1%



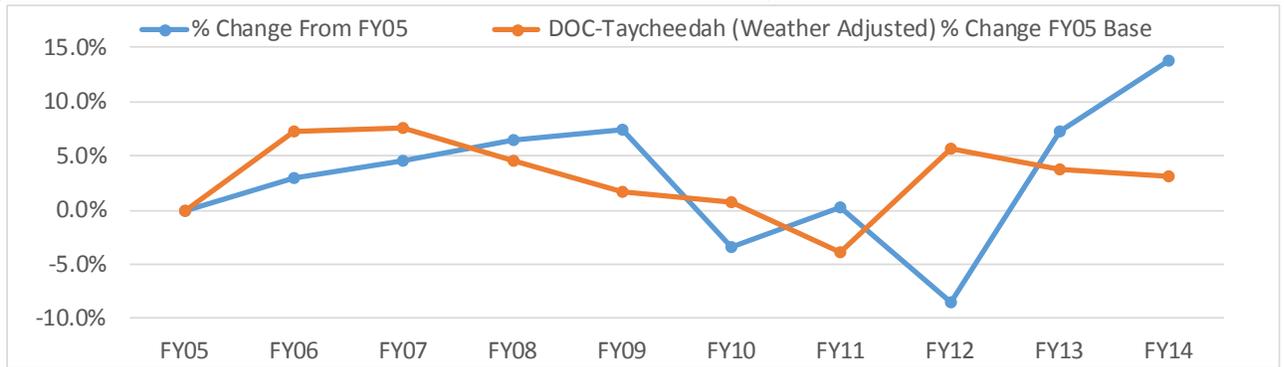
DOC-Stanley		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	411,897	136,226	68,314	204,540	0.0%	100.0%	100.0%	204,540	0.0%
FY06	411,897	118,035	66,203	184,238	-9.9%	103.4%	99.9%	188,166	-8.0%
FY07	411,897	130,405	57,584	187,989	-8.1%	101.3%	100.1%	189,759	-7.2%
FY08	411,897	133,092	55,500	188,592	-7.8%	95.0%	98.8%	181,280	-11.4%
FY09	411,897	135,351	55,173	190,524	-6.9%	96.3%	98.5%	184,732	-9.7%
FY10	411,897	109,698	51,820	161,518	-21.0%	103.3%	101.2%	165,713	-19.0%
FY11	411,897	134,274	53,285	187,559	-8.3%	97.9%	99.5%	184,465	-9.8%
FY12	411,897	118,819	52,235	171,054	-16.4%	110.8%	100.7%	184,224	-9.9%
FY13	411,897	133,715	49,943	183,658	-10.2%	96.8%	99.8%	179,205	-12.4%
FY14	411,897	145,049	50,450	195,499	-4.4%	88.9%	98.4%	178,572	-12.7%



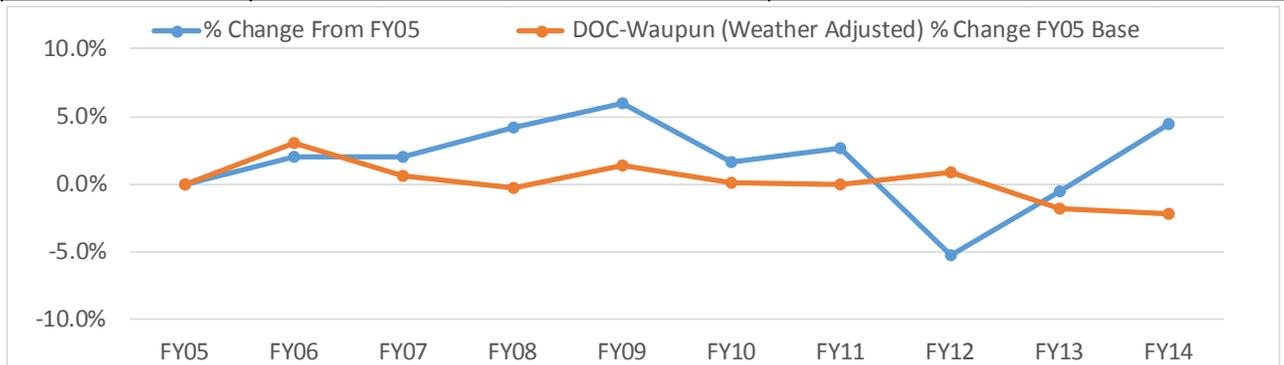
DOC-Sturtevant		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	93,312	131,324	54,613	185,937	0.0%	100.0%	100.0%	185,937	0.0%
FY06	93,312	122,768	52,729	175,497	-5.6%	105.9%	99.1%	182,241	-2.0%
FY07	93,312	124,053	55,178	179,231	-3.6%	100.3%	99.6%	179,383	-3.5%
FY08	93,312	134,062	58,563	192,625	3.6%	94.8%	99.5%	185,382	-0.3%
FY09	93,312	138,779	59,728	198,507	6.8%	93.5%	99.7%	189,333	1.8%
FY10	93,312	136,318	57,564	193,882	4.3%	104.4%	99.8%	199,771	7.4%
FY11	93,312	125,983	58,048	184,031	-1.0%	95.1%	99.0%	177,255	-4.7%
FY12	93,312	115,209	57,756	172,965	-7.0%	117.7%	99.0%	192,802	3.7%
FY13	93,312	127,853	58,103	185,956	0.0%	95.3%	99.7%	179,748	-3.3%
FY14	93,312	126,438	56,699	183,137	-1.5%	90.1%	99.2%	170,185	-8.5%



DOC-Taycheedah		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	380,940	81,875	37,036	118,910	0.0%	100.0%	100.0%	118,910	0.0%
FY06	380,940	84,843	37,608	122,451	3.0%	105.9%	100.1%	127,492	7.2%
FY07	380,940	87,325	37,003	124,328	4.6%	103.9%	100.3%	127,859	7.5%
FY08	380,940	88,875	37,777	126,653	6.5%	97.6%	99.5%	124,318	4.5%
FY09	380,940	89,681	38,027	127,708	7.4%	92.5%	99.8%	120,885	1.7%
FY10	380,940	77,349	37,471	114,820	-3.4%	106.8%	99.4%	119,836	0.8%
FY11	380,940	81,955	37,156	119,112	0.2%	94.4%	99.4%	114,256	-3.9%
FY12	380,940	70,353	38,382	108,735	-8.6%	123.9%	100.4%	125,693	5.7%
FY13	380,940	89,724	37,780	127,504	7.2%	95.5%	99.8%	123,364	3.7%
FY14	380,940	97,793	37,471	135,264	13.8%	87.3%	99.5%	122,710	3.2%



DOC-Waupun		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	1,260,274	203,602	41,632	245,233	0.0%	100.0%	100.0%	245,233	0.0%
FY06	1,260,274	209,536	40,731	250,267	2.1%	101.3%	99.5%	252,810	3.1%
FY07	1,260,274	209,439	40,638	250,078	2.0%	98.5%	99.7%	246,800	0.6%
FY08	1,260,274	213,020	42,524	255,545	4.2%	95.0%	99.3%	244,539	-0.3%
FY09	1,260,274	217,938	42,051	259,989	6.0%	94.9%	99.6%	248,688	1.4%
FY10	1,260,274	208,344	40,815	249,159	1.6%	98.3%	100.1%	245,612	0.2%
FY11	1,260,274	208,778	43,122	251,900	2.7%	96.4%	102.0%	245,314	0.0%
FY12	1,260,274	190,756	41,753	232,509	-5.2%	106.8%	104.4%	247,288	0.8%
FY13	1,260,274	202,136	41,702	243,838	-0.6%	97.0%	107.2%	240,784	-1.8%
FY14	1,260,274	214,423	41,576	255,999	4.4%	92.8%	98.2%	239,743	-2.2%



# Agency Energy Use Summary

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**WISCONSIN DEPARTMENT  
of HEALTH SERVICES**

## SCOPE

Includes five facilities:

1. Mendota Complex - Mendota Mental Health Institute and Center Wisconsin Center;
2. Northern Center and Chippewa Valley CTF (DOC);
3. Sand Ridge Center;
4. Southern Center - Southern Oaks Girls School (DOC), Ellsworth Correctional Center (DOC), and facilities now operated by Department of Veterans Affairs; and
5. Winnebago Complex - Winnebago Mental Health Institute and Wisconsin Resources Center.

## ENERGY CONSUMPTION

**Total Change from Base - Weather Adjusted: 7.6 percent decrease.**

Energy use (BTU/GSF/Yr) for FY14 was 7.6 percent lower than in the base fiscal year, FY05.

**Latest Year Change - Weather Adjusted: 3.9 percent decrease.**

Energy use (BTU/GSF/Yr) for FY14 decreased 3.9 percent from the previous fiscal year.

***Average Annual Change - Weather Adjusted: 0.8 percent decrease per year.***

On average, energy use (BTU/GSF/Yr) has decreased 0.8 percent since the base year, FY05.

## GSF AND CONSUMPTION STATISTICS

***GSF Change from Base: -2.4 percent decrease.***

Gross square footage has decreased 2.4% from the base fiscal year, FY05.

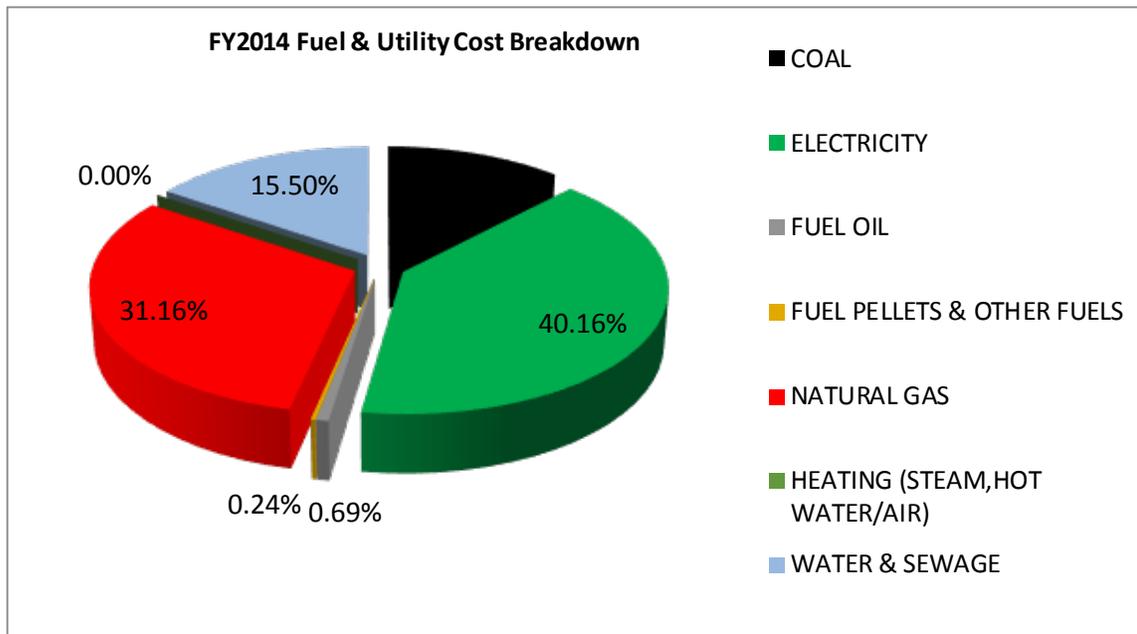
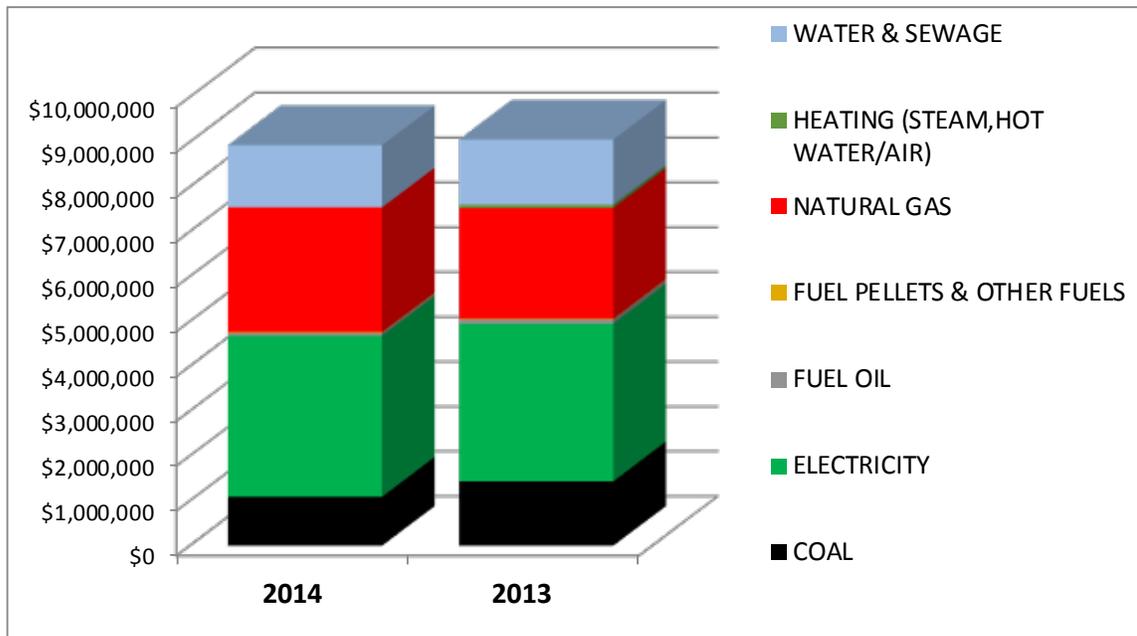
***Consumption Change from Base: 2.9 percent decrease.***

Total consumption was 2.9 percent less when compared to FY05. Total energy (million BTU) purchases in FY14 were 9.8 percent less than in the base year when adjusted for weather compared to FY05.

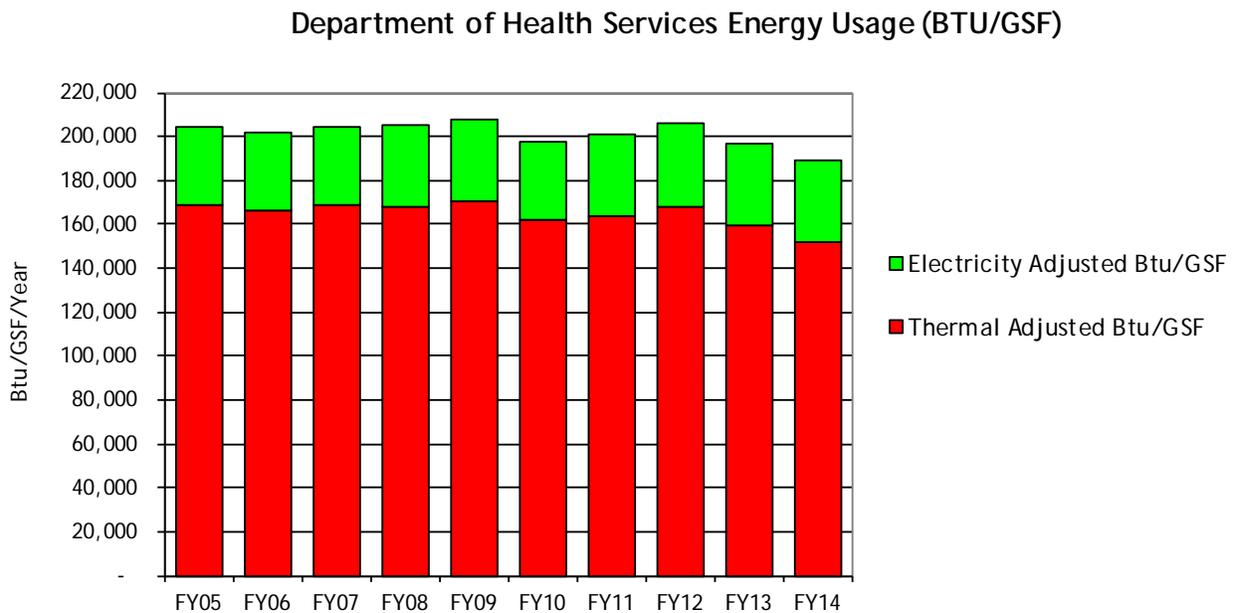
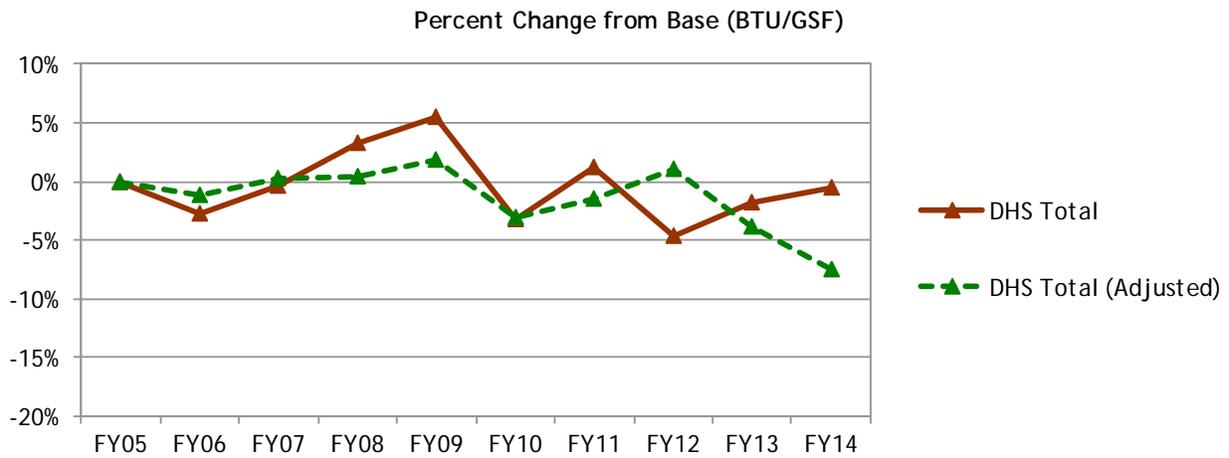
Agency Name: Health Services, Department of (435)

Category Name: Fuel and Utilities

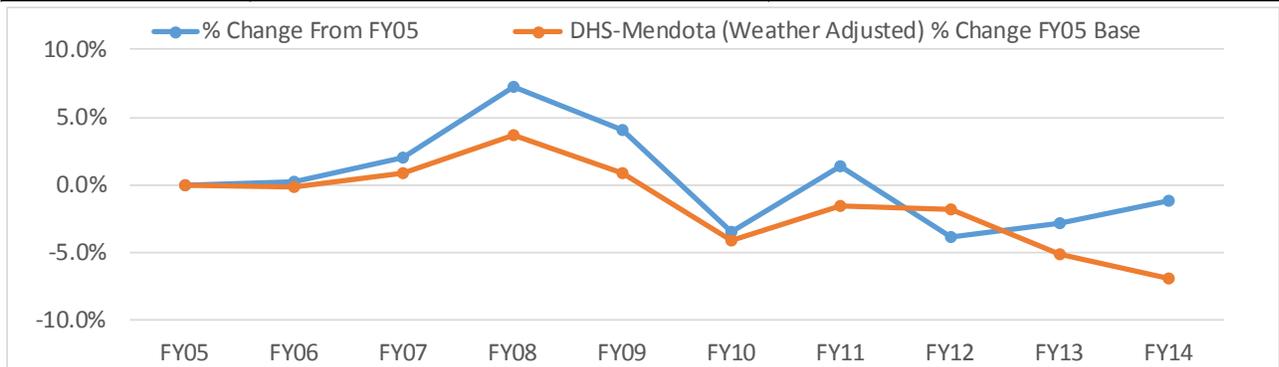
Subcategory Code	Subcategory Name	Fiscal Year	
		2014	2013
3600	COAL	\$ 1,094,517	\$ 1,438,714
2500	ELECTRICITY	\$ 3,586,404	\$ 3,515,748
3610	FUEL OIL	\$ 61,349	\$ 90,656
3620	FUEL PELLETS & OTHER FUELS	\$ 21,243	\$ 16,515
2510	NATURAL GAS	\$ 2,782,269	\$ 2,472,451
2520	HEATING (STEAM,HOT WATER/AIR)	\$ -	\$ 70,508
2540	WATER & SEWAGE	\$ 1,384,599	\$ 1,453,374
<b>Total:</b>		<b>\$ 8,930,381</b>	<b>\$ 9,057,966</b>



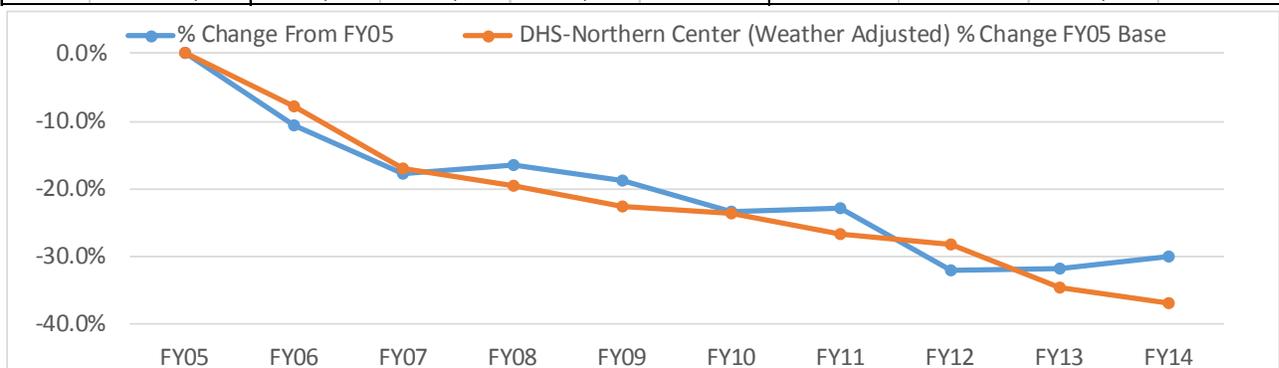
Department of Health Services Department of Health Services Total									
Fiscal Year	GSF	BTU/GSF				Weather-Adjusted			
		Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
<b>FY05</b>	4,247,798	169,215	34,970	204,184	0.0%	100.0%	100.0%	204,184	0.0%
<b>FY06</b>	4,247,798	162,465	36,013	198,479	-2.8%	102.3%	98.9%	201,822	-1.2%
<b>FY07</b>	4,247,798	167,295	36,142	203,437	-0.4%	100.8%	99.4%	204,599	0.2%
<b>FY08</b>	4,247,798	173,573	37,301	210,874	3.3%	96.8%	99.0%	204,982	0.4%
<b>FY09</b>	4,099,238	177,474	37,891	215,365	5.5%	95.9%	99.7%	207,951	1.8%
<b>FY10</b>	4,198,234	161,722	35,845	197,567	-3.2%	100.2%	100.3%	197,940	-3.1%
<b>FY11</b>	4,198,234	168,916	37,803	206,720	1.2%	96.9%	98.9%	201,104	-1.5%
<b>FY12</b>	4,088,791	155,669	39,096	194,765	-4.6%	107.8%	98.5%	206,389	1.1%
<b>FY13</b>	4,145,773	163,386	37,009	200,396	-1.9%	97.6%	99.6%	196,395	-3.8%
<b>FY14</b>	4,145,773	166,387	36,777	203,164	-0.5%	91.5%	99.2%	188,741	-7.6%



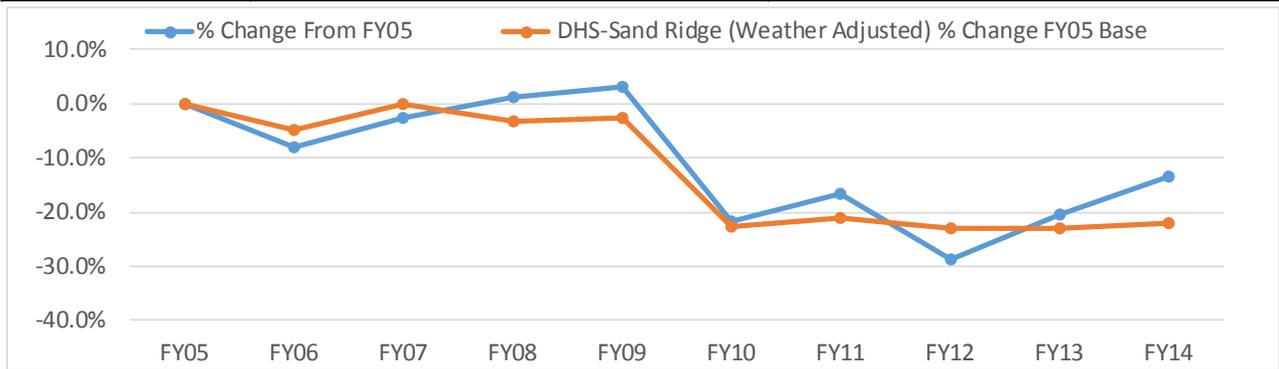
DHS-Mendota		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	1,372,434	227,844	34,334	262,179	0.0%	100.0%	100.0%	262,179	0.0%
FY06	1,372,434	226,149	36,698	262,847	0.3%	99.7%	99.2%	261,807	-0.1%
FY07	1,372,434	231,764	35,562	267,326	2.0%	98.8%	99.8%	264,561	0.9%
FY08	1,372,434	244,822	36,281	281,103	7.2%	96.3%	99.4%	271,721	3.6%
FY09	1,372,434	237,926	34,958	272,884	4.1%	96.5%	100.1%	264,592	0.9%
FY10	1,372,434	221,818	31,415	253,233	-3.4%	99.1%	100.6%	251,450	-4.1%
FY11	1,372,434	229,981	35,682	265,662	1.3%	96.8%	99.1%	258,018	-1.6%
FY12	1,372,434	216,207	35,769	251,976	-3.9%	102.8%	98.6%	257,618	-1.7%
FY13	1,372,434	220,456	34,450	254,906	-2.8%	97.2%	100.2%	248,817	-5.1%
FY14	1,372,434	224,157	35,065	259,222	-1.1%	93.4%	99.0%	244,170	-6.9%



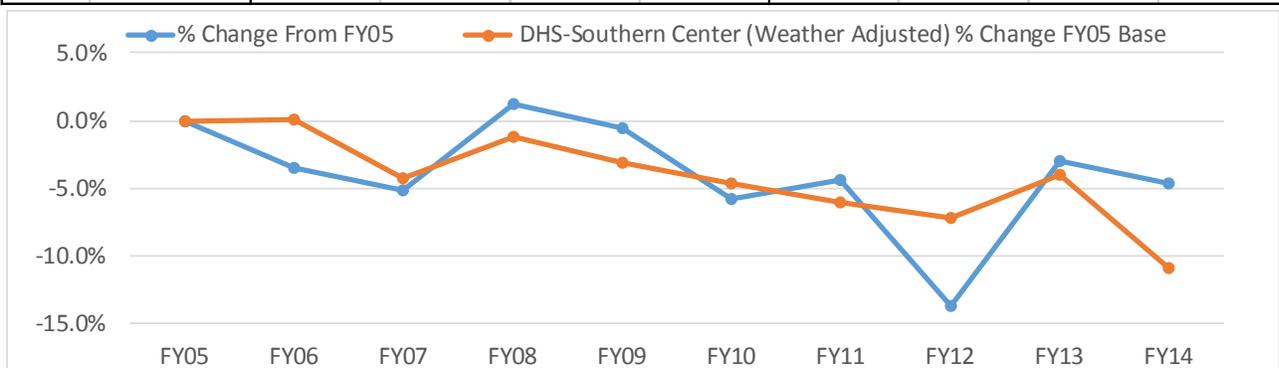
DHS-Northern Center		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	721,377	154,158	32,509	186,667	0.0%	100.0%	100.0%	186,667	0.0%
FY06	721,377	138,148	28,700	166,848	-10.6%	104.1%	98.0%	171,942	-7.9%
FY07	721,377	128,076	25,282	153,358	-17.8%	101.6%	98.4%	154,994	-17.0%
FY08	721,377	129,993	25,810	155,803	-16.5%	95.7%	99.3%	150,088	-19.6%
FY09	721,377	127,343	24,243	151,585	-18.8%	94.5%	100.1%	144,594	-22.5%
FY10	721,377	118,921	24,379	143,300	-23.2%	99.3%	100.4%	142,508	-23.7%
FY11	721,377	120,864	23,395	144,259	-22.7%	93.9%	100.0%	136,879	-26.7%
FY12	721,377	102,543	24,515	127,058	-31.9%	107.2%	98.9%	134,169	-28.1%
FY13	721,377	103,289	24,090	127,378	-31.8%	94.9%	99.8%	122,116	-34.6%
FY14	721,377	107,274	23,552	130,826	-29.9%	87.5%	101.3%	117,715	-36.9%



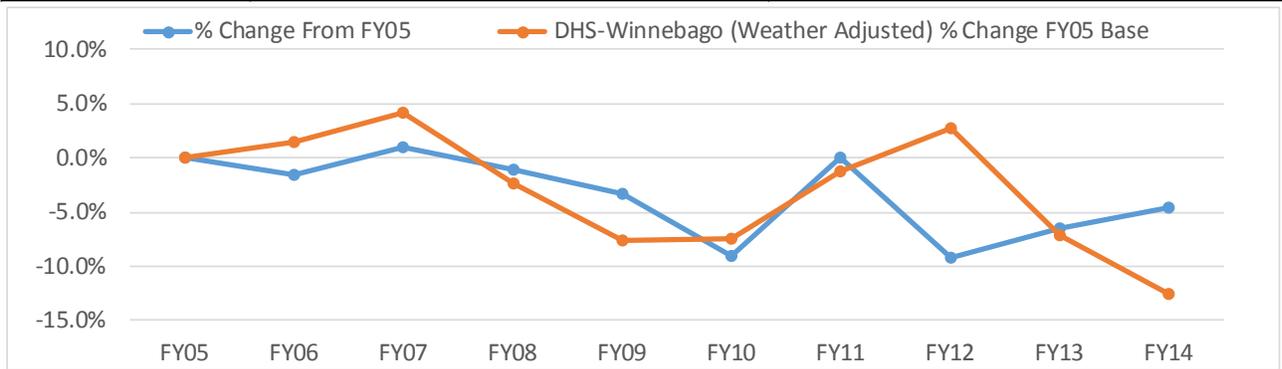
DHS-Sand Ridge		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	203,119	100,539	51,117	151,656	0.0%	100.0%	100.0%	151,656	0.0%
FY06	203,119	87,358	52,128	139,486	-8.0%	105.6%	99.7%	144,216	-4.9%
FY07	203,119	94,946	52,902	147,849	-2.5%	104.0%	99.7%	151,479	-0.1%
FY08	203,119	99,167	54,178	153,345	1.1%	94.0%	98.9%	146,841	-3.2%
FY09	248,119	105,562	50,889	156,451	3.2%	92.2%	99.5%	147,921	-2.5%
FY10	339,814	79,535	38,918	118,453	-21.9%	98.5%	100.1%	117,304	-22.7%
FY11	339,814	84,715	41,758	126,473	-16.6%	92.7%	98.7%	119,748	-21.0%
FY12	339,814	64,791	43,218	108,009	-28.8%	112.9%	100.8%	116,689	-23.1%
FY13	339,814	79,113	41,740	120,853	-20.3%	95.1%	99.2%	116,630	-23.1%
FY14	339,814	88,104	43,145	131,248	-13.5%	86.1%	97.8%	118,046	-22.2%



DHS-Southern Center		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	939,743	155,403	31,336	186,739	0.0%	100.0%	100.0%	186,739	0.0%
FY06	939,743	147,328	32,881	180,208	-3.5%	104.9%	98.2%	186,813	0.0%
FY07	1,061,743	144,130	33,075	177,205	-5.1%	101.3%	99.0%	178,708	-4.3%
FY08	1,061,743	153,475	35,502	188,977	1.2%	97.5%	98.3%	184,624	-1.1%
FY09	1,061,743	152,293	33,475	185,768	-0.5%	97.1%	98.7%	180,959	-3.1%
FY10	1,061,743	141,506	34,390	175,896	-5.8%	101.7%	99.7%	178,140	-4.6%
FY11	1,061,743	143,745	34,848	178,593	-4.4%	98.4%	97.8%	175,493	-6.0%
FY12	1,061,743	127,688	33,517	161,206	-13.7%	110.0%	97.6%	173,208	-7.2%
FY13	1,061,743	149,213	31,986	181,199	-3.0%	98.9%	99.2%	179,326	-4.0%
FY14	1,061,743	146,599	31,425	178,024	-4.7%	92.1%	99.6%	166,307	-10.9%



DHS-Winnebago		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	955,036	134,468	33,633	168,101	0.0%	100.0%	100.0%	168,101	0.0%
FY06	955,036	129,726	35,685	165,411	-1.6%	104.1%	99.3%	170,527	1.4%
FY07	955,036	133,870	35,879	169,749	1.0%	104.2%	99.8%	175,253	4.3%
FY08	955,036	130,290	36,031	166,321	-1.1%	98.6%	99.3%	164,256	-2.3%
FY09	955,036	126,929	35,484	162,413	-3.4%	94.4%	100.2%	155,345	-7.6%
FY10	955,036	116,707	36,041	152,748	-9.1%	102.1%	101.0%	155,541	-7.5%
FY11	955,036	130,802	37,324	168,126	0.0%	98.5%	99.5%	165,966	-1.3%
FY12	955,036	113,301	39,302	152,604	-9.2%	118.2%	99.0%	172,793	2.8%
FY13	955,036	120,395	36,801	157,195	-6.5%	99.3%	99.6%	156,224	-7.1%
FY14	955,036	124,801	35,558	160,359	-4.6%	89.8%	98.4%	147,020	-12.5%



# Agency Energy Use Summary

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## SCOPE

Includes the Wisconsin School for the Deaf (Delavan) and the Wisconsin School for the Blind and Visually Impaired (Janesville).

## ENERGY CONSUMPTION

**Total Change from Base - Weather Adjusted: 1.9 percent increase.**

Energy use (BTU/GSF/Yr) for FY14 was 1.9 percent higher than in the base fiscal year, FY05.

**Latest Year Change - Weather Adjusted: 4.2 percent decrease.**

Energy use (BTU/GSF/Yr) for FY14 decreased 4.2 percent from the previous fiscal year.

***Average Annual Change - Weather Adjusted: 0.2 percent increase per year.***

On average, energy use (BTU/GSF/Yr) has increased 0.2 percent since the base year, FY05.

## GSF AND CONSUMPTION STATISTICS

***GSF Change from Base: 0 percent.***

Gross square footage has not changed from the base fiscal year, FY05.

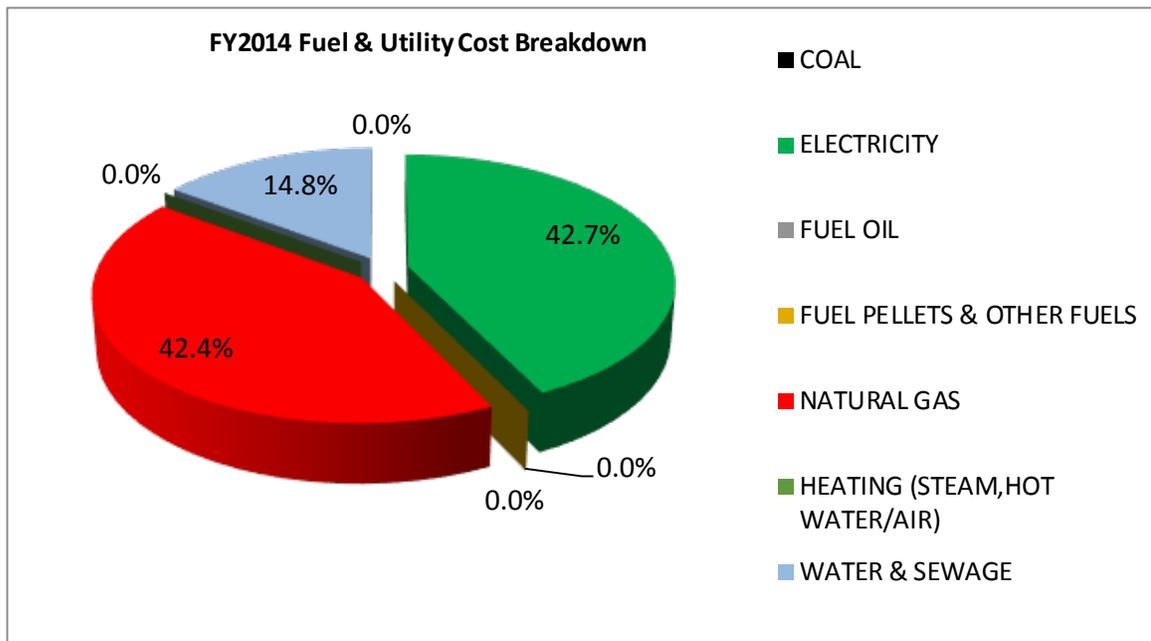
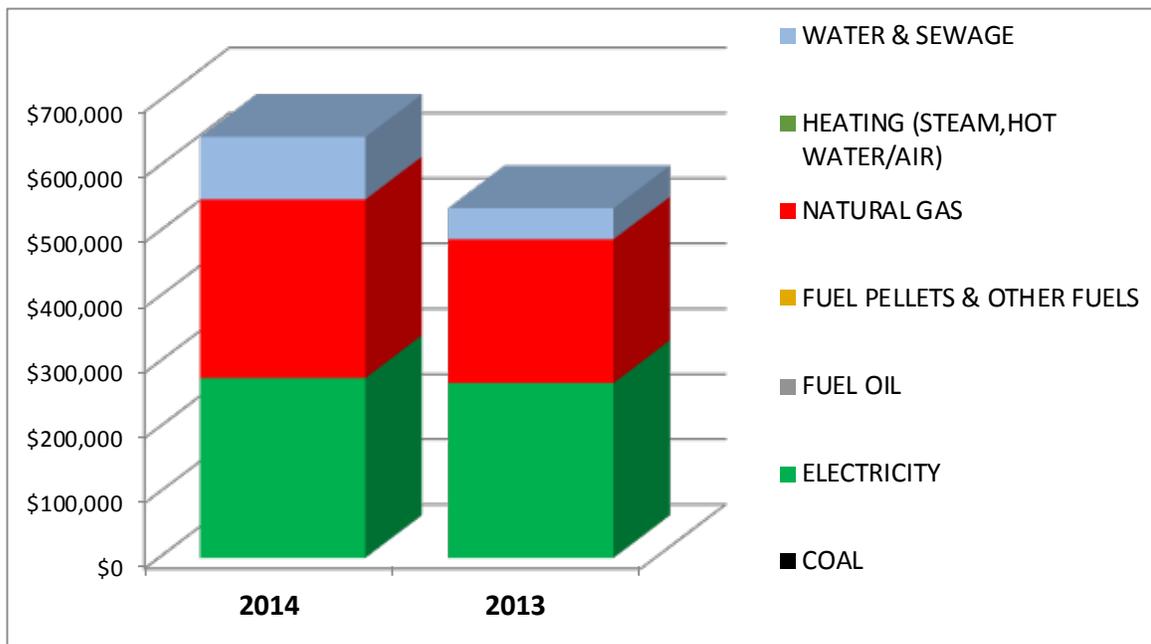
***Consumption Change from Base: 13.6 percent increase.***

Total consumption was 13.6 percent greater when compared to FY05. Total energy (million BTU) purchases in FY14 were 1.9 percent greater than in the base year when adjusted for weather compared to FY05.

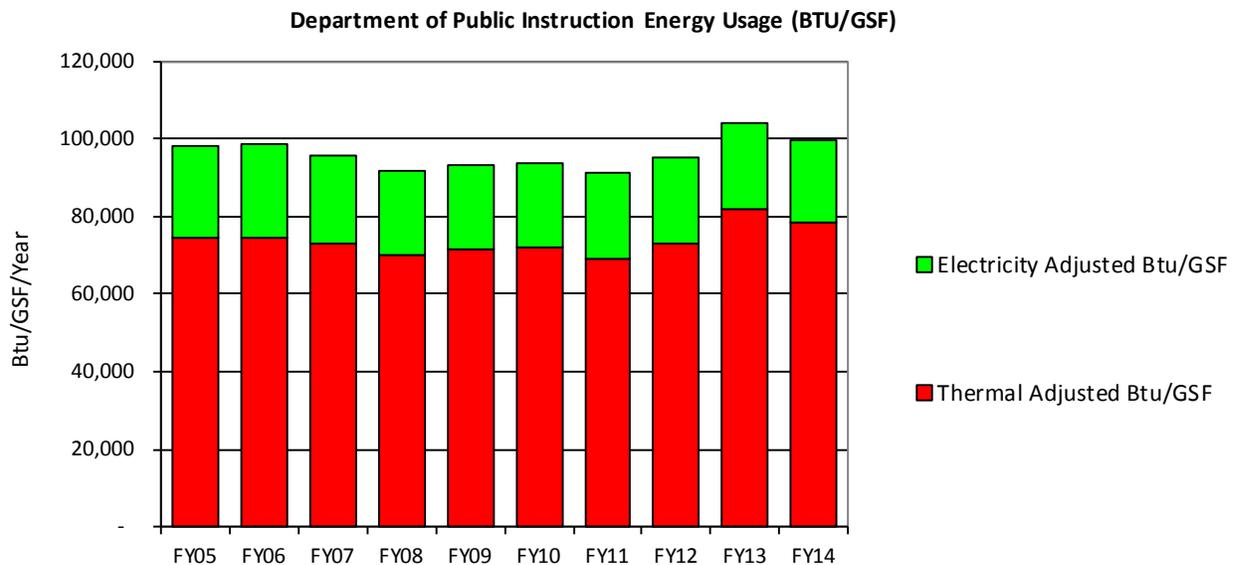
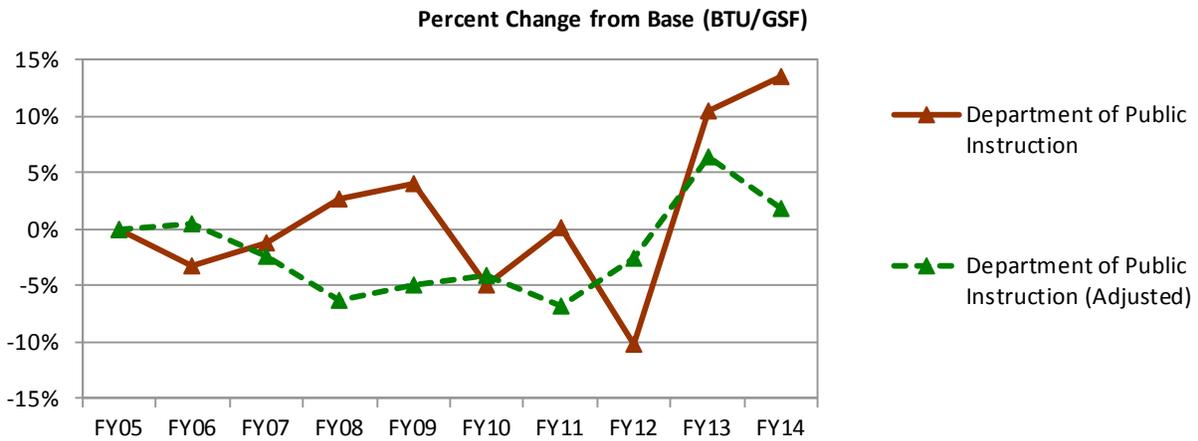
**Agency Name: Public Instruction, Department of (255)**

**Category Name: Fuel and Utilities**

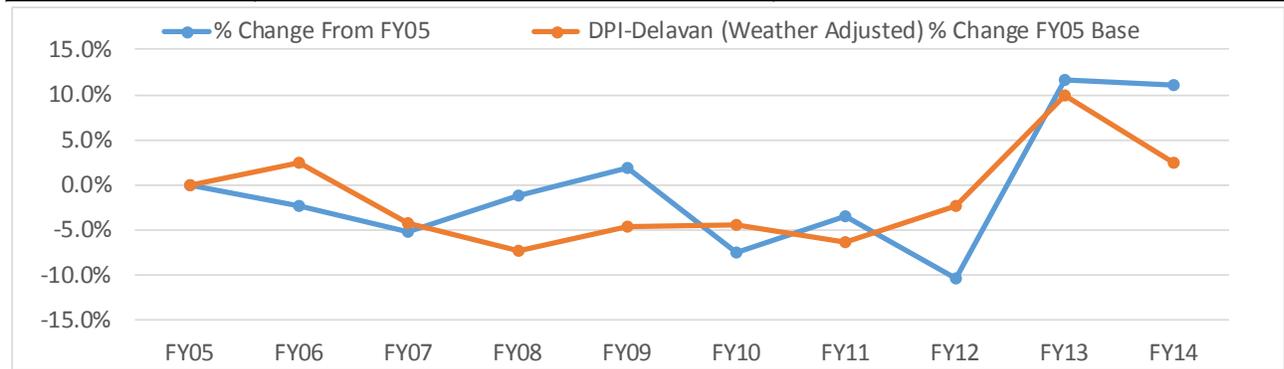
Subcategory Code	Subcategory Name	Fiscal Year	
		2014	2013
3600	COAL	\$ -	\$ -
2500	ELECTRICITY	\$ 275,624	\$ 268,046
3610	FUEL OIL	\$ -	\$ -
3620	FUEL PELLETS & OTHER FUELS	\$ -	\$ -
2510	NATURAL GAS	\$ 273,815	\$ 220,188
2520	HEATING (STEAM,HOT WATER/AIR)	\$ -	\$ -
2540	WATER & SEWAGE	\$ 95,723	\$ 47,749
<b>Total</b>		<b>\$ 645,163</b>	<b>\$ 535,984</b>



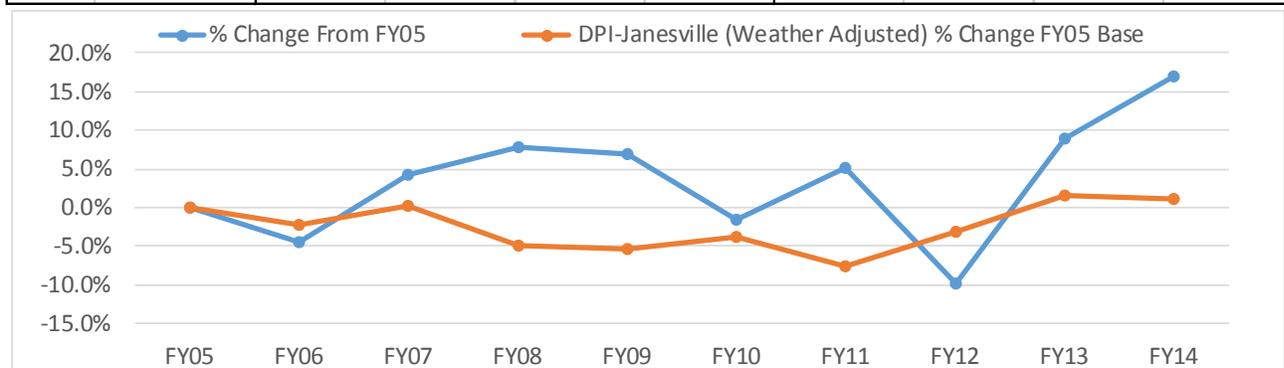
Department of Public Instruction									
Department of Public Instruction									
Fiscal Year	GSF	BTU/GSF				Weather-Adjusted			
		Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	441,183	74,517	23,484	98,001	0.0%	100.0%	100.0%	98,001	0.0%
FY06	441,183	70,542	24,293	94,835	-3.2%	106.0%	97.7%	98,474	0.5%
FY07	441,183	73,983	22,893	96,876	-1.1%	98.9%	98.6%	95,716	-2.3%
FY08	441,183	78,081	22,496	100,578	2.6%	89.5%	97.8%	91,883	-6.2%
FY09	441,183	80,109	21,788	101,897	4.0%	89.6%	98.3%	93,190	-4.9%
FY10	441,183	71,838	21,292	93,130	-5.0%	100.5%	102.3%	93,982	-4.1%
FY11	441,183	75,226	22,980	98,206	0.2%	91.8%	96.8%	91,297	-6.8%
FY12	441,183	65,293	22,746	88,039	-10.2%	111.7%	98.6%	95,393	-2.7%
FY13	441,183	85,243	23,015	108,258	10.5%	95.8%	98.0%	104,236	6.4%
FY14	441,183	89,901	21,379	111,281	13.6%	87.3%	99.7%	99,836	1.9%



DPI-Delavan		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	244,979	74,564	26,898	101,462	0.0%	100.0%	100.0%	101,462	0.0%
FY06	244,979	70,361	28,819	99,180	-2.2%	108.1%	96.7%	103,925	2.4%
FY07	244,979	69,028	27,244	96,272	-5.1%	102.0%	98.2%	97,162	-4.2%
FY08	244,979	73,870	26,336	100,207	-1.2%	92.6%	97.8%	94,142	-7.2%
FY09	244,979	77,043	26,286	103,329	1.8%	92.2%	98.0%	96,822	-4.6%
FY10	244,979	68,681	25,092	93,773	-7.6%	103.5%	103.4%	97,004	-4.4%
FY11	244,979	71,129	26,863	97,992	-3.4%	96.8%	97.3%	94,997	-6.4%
FY12	244,979	63,083	27,856	90,939	-10.4%	113.7%	98.2%	99,102	-2.3%
FY13	244,979	84,382	28,809	113,190	11.6%	98.9%	97.5%	111,520	9.9%
FY14	244,979	87,340	25,271	112,611	11.0%	90.0%	100.3%	103,937	2.4%



DPI-Janesville		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	196,204	74,458	19,222	93,680	0.0%	100.0%	100.0%	93,680	0.0%
FY06	196,204	70,768	18,642	89,410	-4.6%	103.3%	99.5%	91,667	-2.1%
FY07	196,204	80,169	17,460	97,630	4.2%	95.5%	99.3%	93,911	0.2%
FY08	196,204	83,339	17,702	101,041	7.9%	86.1%	97.6%	89,063	-4.9%
FY09	196,204	83,937	16,172	100,109	6.9%	86.6%	98.8%	88,655	-5.4%
FY10	196,204	75,780	16,547	92,327	-1.4%	97.1%	100.4%	90,209	-3.7%
FY11	196,204	80,341	18,133	98,474	5.1%	86.3%	95.7%	86,677	-7.5%
FY12	196,204	68,052	16,366	84,418	-9.9%	109.5%	99.4%	90,761	-3.1%
FY13	196,204	86,319	15,780	102,099	9.0%	92.1%	99.2%	95,142	1.6%
FY14	196,204	93,100	16,520	109,620	17.0%	84.3%	98.4%	94,716	1.1%



# Agency Energy Use Summary

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## ENERGY CONSUMPTION

**Total Change from Base - Weather Adjusted: 11.6 percent decrease.**

Energy use (BTU/GSF/Yr) for FY14 was 11.6 percent lower than in the base fiscal year, FY05.

**Latest Year Change - Weather Adjusted: 2.8 percent decrease.**

Energy use (BTU/GSF/Yr) for FY14 decreased 2.8 percent from the previous fiscal year.

***Average Annual Change - Weather Adjusted: 1.3 percent decrease per year.***

On average, energy use (BTU/GSF/Yr) has decreased 1.3 percent since the base year, FY05.

## GSF AND CONSUMPTION STATISTICS

***GSF Change from Base: 0 percent Decrease.***

Gross square footage has not changed from the base fiscal year, FY05.

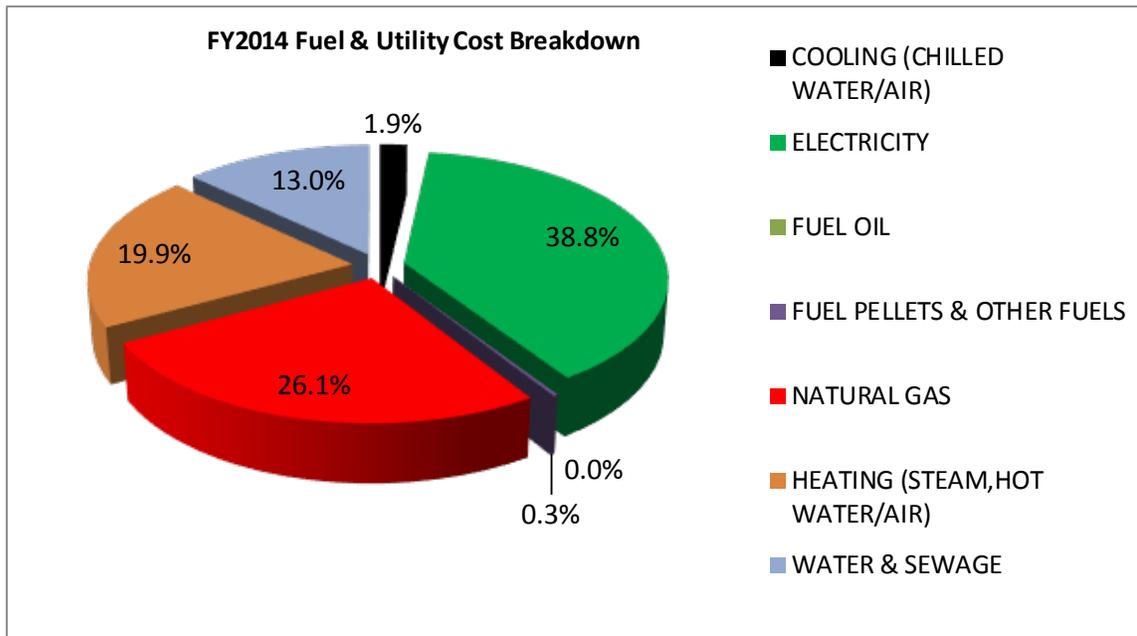
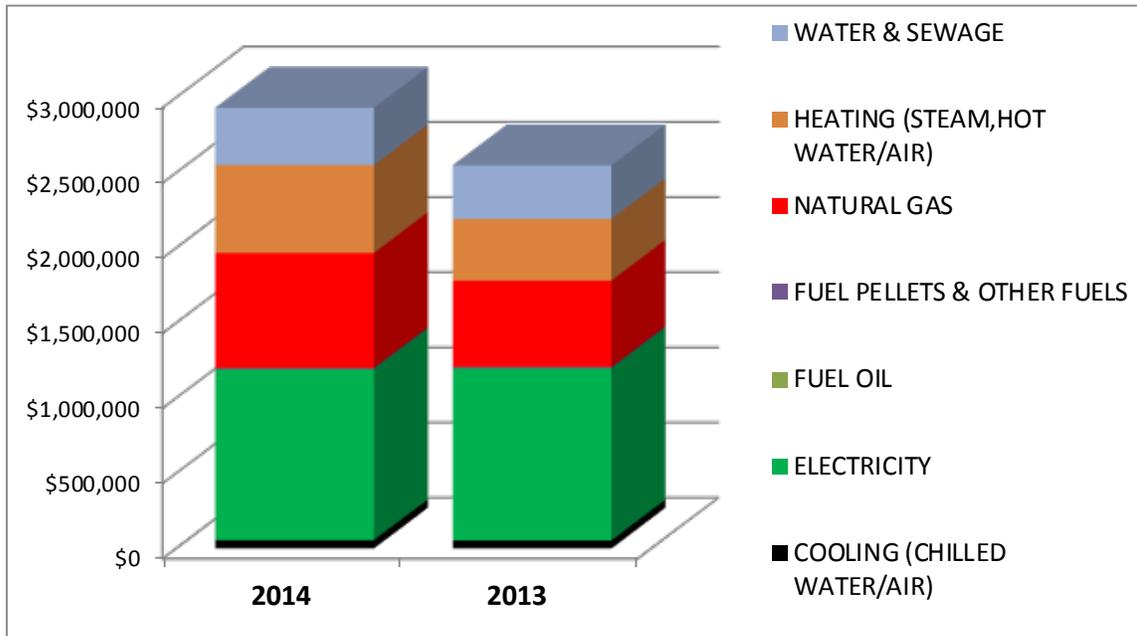
***Consumption Change from Base: 2.4 percent decrease.***

Total consumption was 2.4 percent less when compared to FY05. Total energy (million BTU) purchases in FY14 were 11.6 percent less than in the base year when adjusted for weather compared to FY05.

Agency Name: Veterans Affairs, Department of (485)

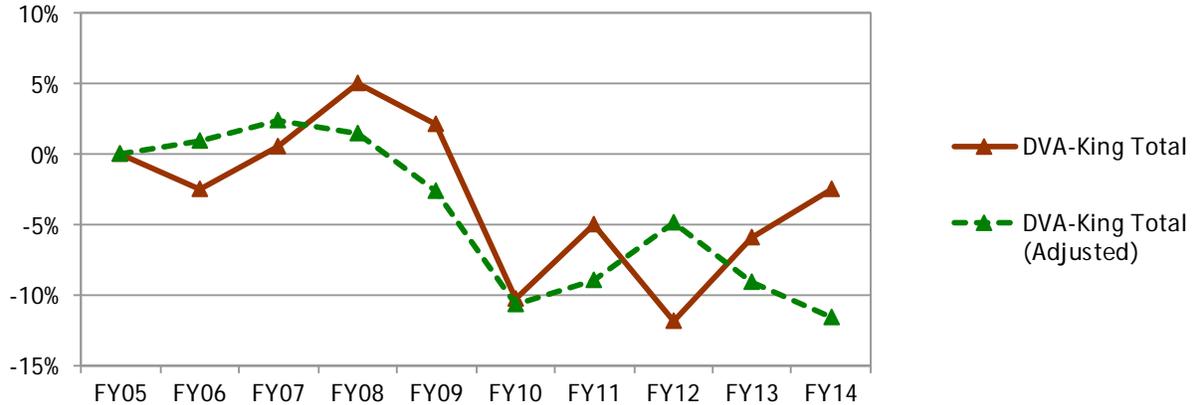
Category Name: Fuel and Utilities

Subcategory Code	Subcategory Name	Fiscal Year 2014	Fiscal Year 2013
2530	COOLING (CHILLED WATER/AIR)	\$ 55,101	\$ 53,727
2500	ELECTRICITY	\$ 1,138,505	\$ 1,145,460
3610	FUEL OIL	\$ -	\$ -
3620	FUEL PELLETS & OTHER FUELS	\$ 7,550	\$ 8,868
2510	NATURAL GAS	\$ 765,264	\$ 575,567
2520	HEATING (STEAM,HOT WATER/AIR)	\$ 584,660	\$ 408,763
2540	WATER & SEWAGE	\$ 382,025	\$ 358,219
<b>Total:</b>		<b>\$ 2,933,105</b>	<b>\$ 2,550,604</b>

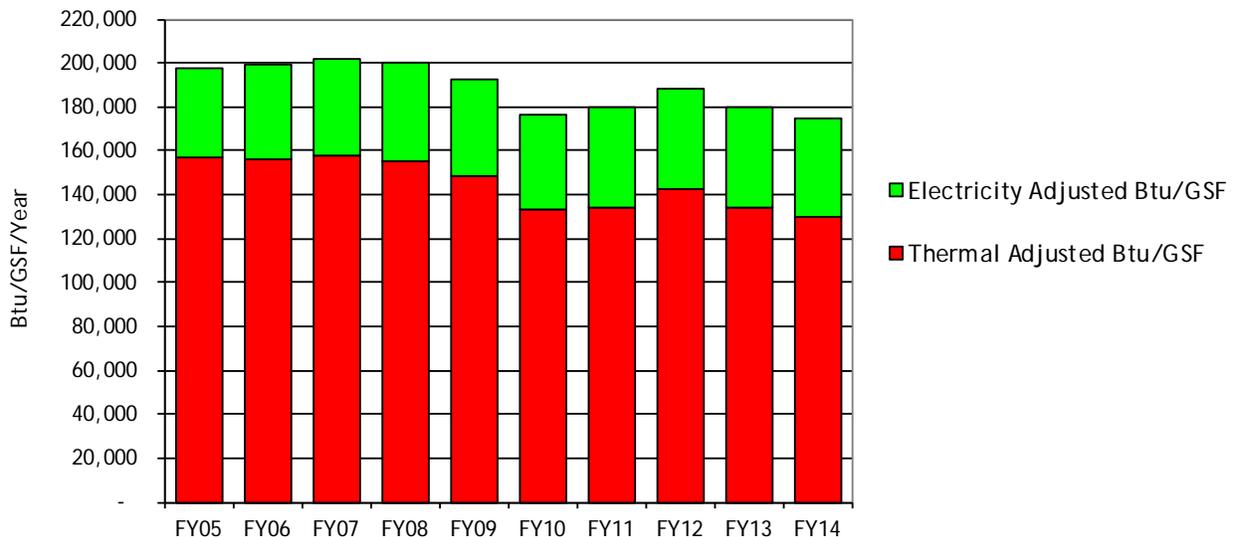


Department of Veterans Affairs Wisconsin Veterans Home at King									
Fiscal Year	GSF	BTU/GSF				Weather-Adjusted			
		Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
<b>FY05</b>	733,728	156,662	40,749	197,411	0.0%	100.0%	100.0%	197,411	0.0%
<b>FY06</b>	733,728	148,953	43,635	192,588	-2.4%	104.7%	99.3%	199,228	0.9%
<b>FY07</b>	733,728	154,261	44,374	198,635	0.6%	102.4%	99.6%	202,142	2.4%
<b>FY08</b>	733,728	162,343	45,139	207,482	5.1%	95.9%	99.1%	200,381	1.5%
<b>FY09</b>	733,728	157,632	44,029	201,661	2.2%	94.0%	99.9%	192,177	-2.7%
<b>FY10</b>	733,728	133,891	43,308	177,199	-10.2%	99.3%	100.5%	176,469	-10.6%
<b>FY11</b>	733,728	142,187	45,433	187,620	-5.0%	94.4%	100.3%	179,779	-8.9%
<b>FY12</b>	733,728	128,442	45,496	173,938	-11.9%	111.2%	99.0%	187,877	-4.8%
<b>FY13</b>	733,728	140,005	45,722	185,726	-5.9%	95.5%	100.1%	179,551	-9.0%
<b>FY14</b>	733,728	147,437	45,185	192,623	-2.4%	87.9%	99.6%	174,574	-11.6%

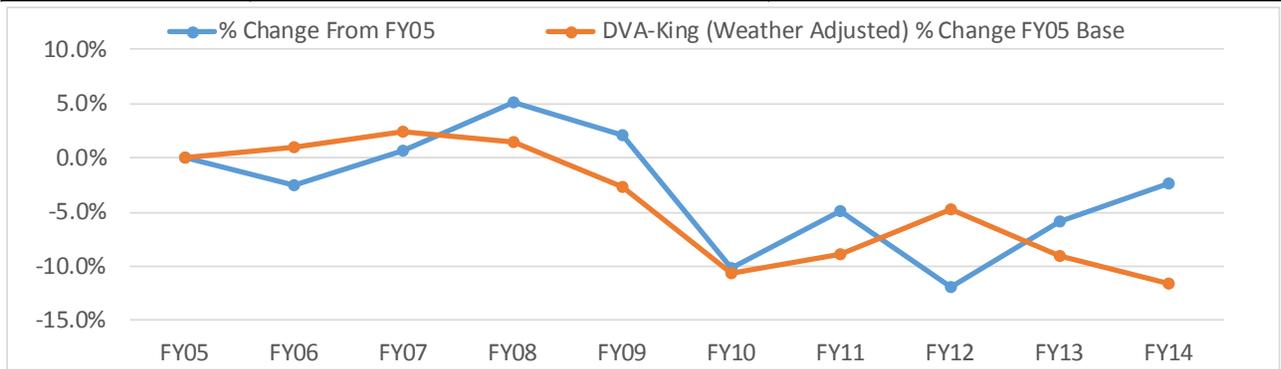
Percent Change from Base (BTU/GSF)



Department of Veterans Affairs Energy Usage (BTU/GSF)



Fiscal Year	DVA-King GSF	BTU/GSF				Weather-Adjusted			
		Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	733,728	156,662	40,749	197,411	0.0%	100.0%	100.0%	197,411	0.0%
FY06	733,728	148,953	43,635	192,588	-2.4%	104.7%	99.3%	199,228	0.9%
FY07	733,728	154,261	44,374	198,635	0.6%	102.4%	99.6%	202,142	2.4%
FY08	733,728	162,343	45,139	207,482	5.1%	95.9%	99.1%	200,381	1.5%
FY09	733,728	157,632	44,029	201,661	2.2%	94.0%	99.9%	192,177	-2.7%
FY10	733,728	133,891	43,308	177,199	-10.2%	99.3%	100.5%	176,469	-10.6%
FY11	733,728	142,187	45,433	187,620	-5.0%	94.4%	100.3%	179,779	-8.9%
FY12	733,728	128,442	45,496	173,938	-11.9%	111.2%	99.0%	187,877	-4.8%
FY13	733,728	140,005	45,722	185,726	-5.9%	95.5%	100.1%	179,551	-9.0%
FY14	733,728	147,437	45,185	192,623	-2.4%	87.9%	99.6%	174,574	-11.6%



# Agency Energy Use Summary

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## Department of Natural Resources



### SCOPE

Includes the larger Department of Natural Resources facilities: DNR-South Central Office Madison; DNR-Darwin Road Madison; DNR-Green Bay Office (New FY2006); DNR-LeMay Forestry Center; and DNR-Southeast Office.

### ENERGY CONSUMPTION

**Total Change from Base - Weather Adjusted: 13 percent decrease.**

Energy use (BTU/GSF/Yr) for FY14 was 13 percent lower than in the base fiscal year, FY05.

**Latest Year Change - Weather Adjusted: 0.6 percent increase.**

Energy use (BTU/GSF/Yr) for FY14 increased 0.6 percent from the previous fiscal year.

***Average Annual Change - Weather Adjusted: 1.4 percent decrease per year.***

On average, energy use (BTU/GSF/Yr) has decreased 1.4 percent since the base year, FY05.

### GSF AND CONSUMPTION STATISTICS

***GSF Change from Base: 24.1 percent.***

Gross square footage has increased 24.1% from the base fiscal year, FY05.

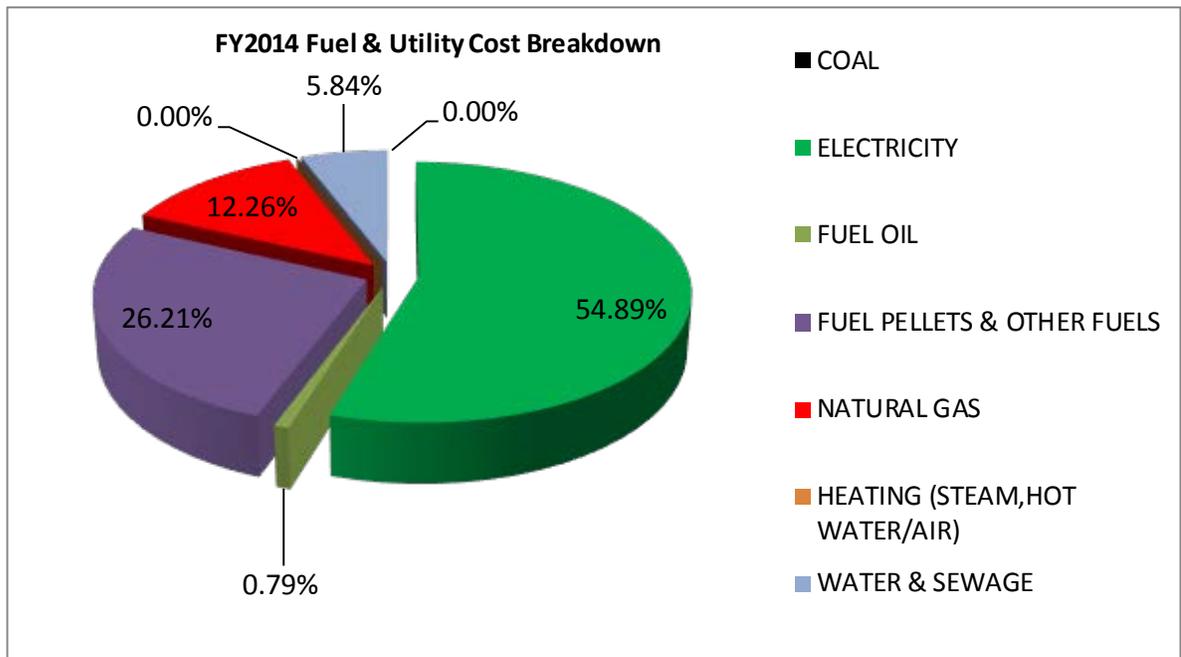
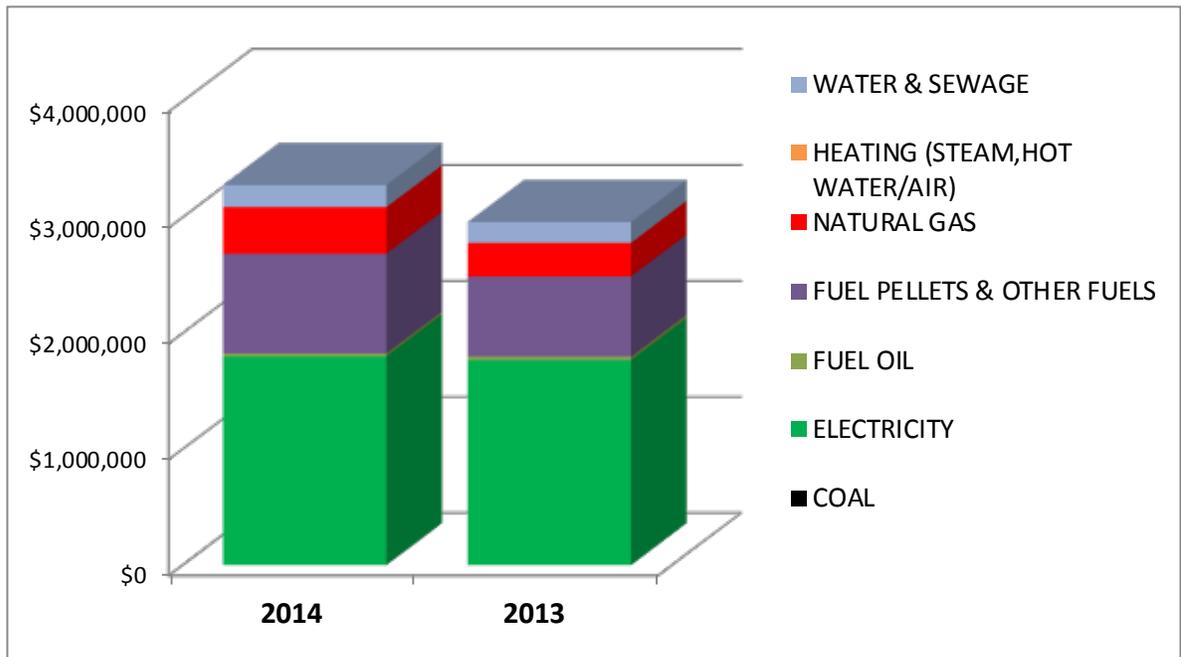
***Consumption Change from Base: 18.1 percent increase.***

Total consumption was 18.1 percent greater when compared to FY05. Total energy (million BTU) purchases in FY14 were 7.9 percent greater than in the base year when adjusted for weather compared to FY05.

Agency Name: Natural Resources, Department of (370)

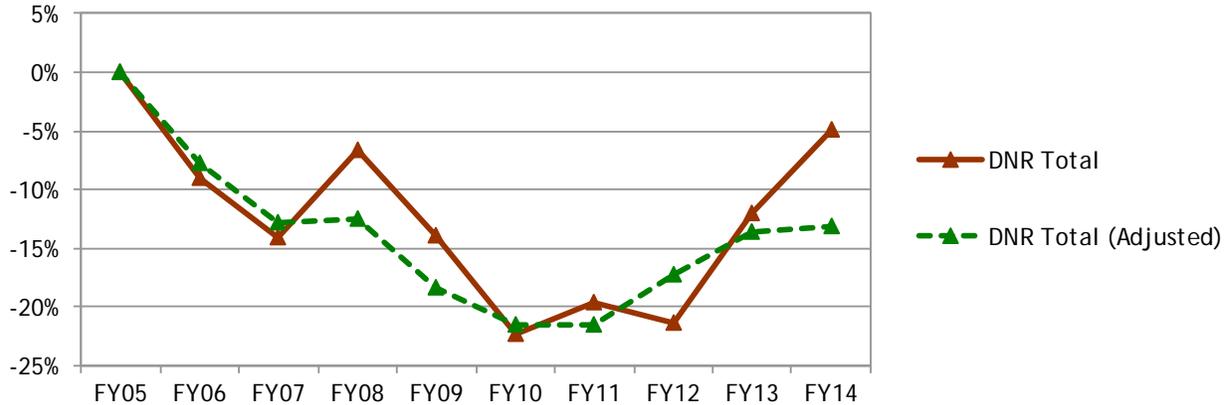
Category Name: Fuel and Utilities

Subcategory Code	Subcategory Name	Fiscal Year 2014	Fiscal Year 2013
3600	COAL	\$ -	\$ -
2500	ELECTRICITY	\$ 1,800,288	\$ 1,768,640
3610	FUEL OIL	\$ 26,033	\$ 30,173
3620	FUEL PELLETS & OTHER FUELS	\$ 859,702	\$ 690,618
2510	NATURAL GAS	\$ 402,155	\$ 290,713
2520	HEATING (STEAM,HOT WATER/AIR)	\$ -	\$ -
2540	WATER & SEWAGE	\$ 191,697	\$ 179,071
<b>Total</b>		<b>\$ 3,279,875</b>	<b>\$ 2,959,214</b>

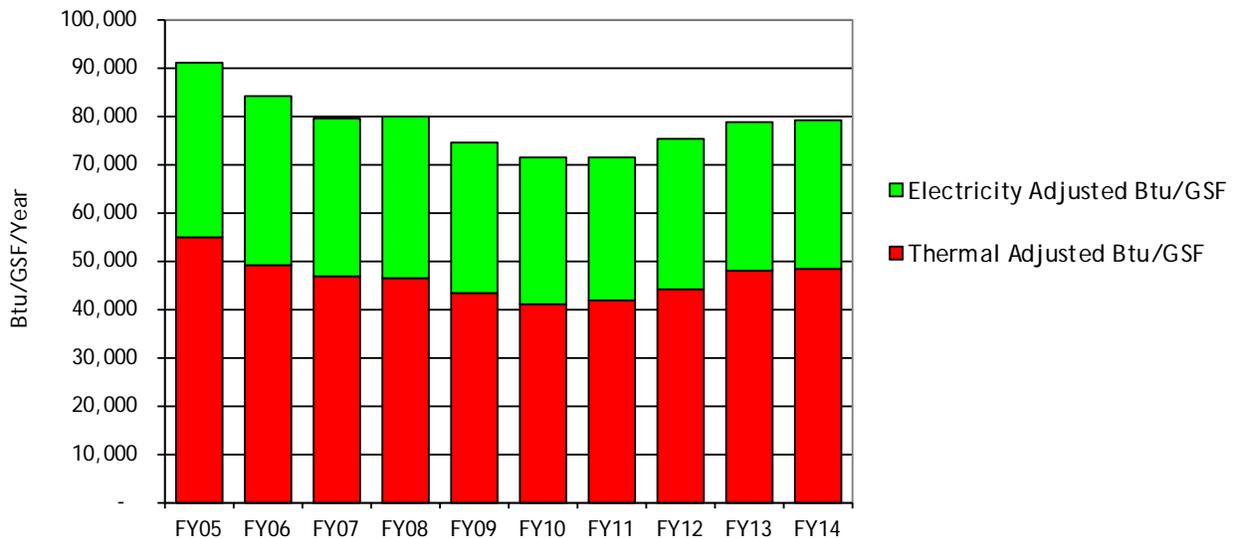


Department of Natural Resources									
DNR Total									
Fiscal Year	GSF	BTU/GSF				Weather-Adjusted			
		Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
<b>FY05</b>	143,537	54,673	36,265	90,938	0.0%	100.0%	100.0%	90,938	0.0%
<b>FY06</b>	178,097	47,581	35,179	82,760	-9.0%	103.1%	99.0%	83,877	-7.8%
<b>FY07</b>	178,097	45,636	32,530	78,167	-14.0%	102.7%	99.5%	79,236	-12.9%
<b>FY08</b>	178,097	50,995	33,942	84,937	-6.6%	91.0%	98.0%	79,637	-12.4%
<b>FY09</b>	178,097	46,820	31,459	78,279	-13.9%	92.3%	98.7%	74,264	-18.3%
<b>FY10</b>	178,097	40,280	30,374	70,654	-22.3%	101.6%	100.2%	71,363	-21.5%
<b>FY11</b>	178,097	43,051	30,075	73,126	-19.6%	96.9%	98.4%	71,332	-21.6%
<b>FY12</b>	178,097	39,777	31,797	71,574	-21.3%	110.3%	98.5%	75,213	-17.3%
<b>FY13</b>	178,097	49,027	30,956	79,983	-12.0%	97.7%	99.2%	78,615	-13.6%
<b>FY14</b>	178,097	55,082	31,470	86,552	-4.8%	87.4%	98.3%	79,073	-13.0%

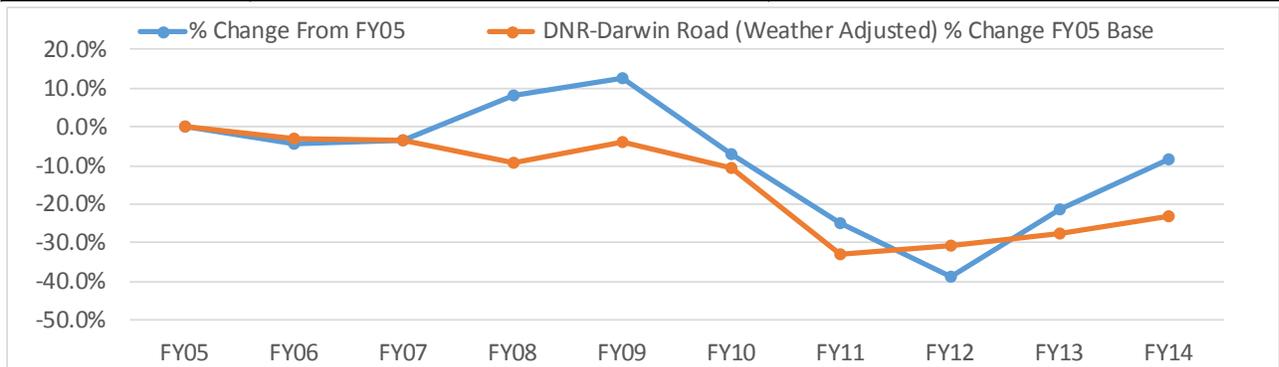
Percent Change from Base (BTU/GSF)



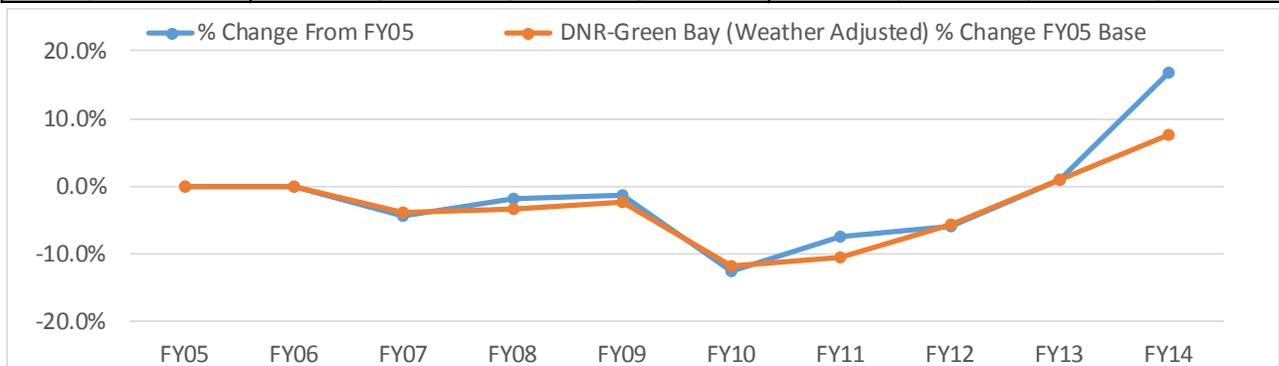
Department of Natural Resources Energy Usage (BTU/GSF)



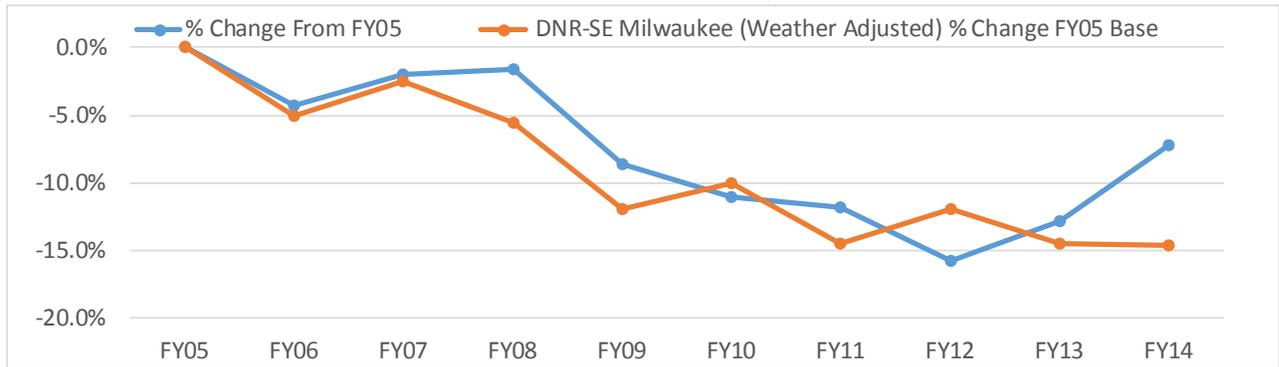
DNR-Darwin Road		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	24,820	47,047	22,255	69,301	0.0%	100.0%	100.0%	69,301	0.0%
FY06	24,820	43,461	22,728	66,189	-4.5%	102.4%	99.7%	67,180	-3.1%
FY07	24,820	44,895	22,013	66,908	-3.5%	100.5%	99.6%	67,061	-3.2%
FY08	24,820	51,362	23,685	75,047	8.3%	77.5%	97.4%	62,865	-9.3%
FY09	24,820	55,101	22,860	77,960	12.5%	79.6%	99.1%	66,524	-4.0%
FY10	24,820	43,674	20,910	64,584	-6.8%	93.7%	100.0%	61,823	-10.8%
FY11	24,820	31,616	20,462	52,077	-24.9%	83.7%	98.1%	46,533	-32.9%
FY12	24,820	22,538	19,849	42,388	-38.8%	124.4%	100.1%	47,908	-30.9%
FY13	24,820	34,408	19,983	54,391	-21.5%	88.6%	99.3%	50,302	-27.4%
FY14	24,820	41,689	21,680	63,369	-8.6%	75.5%	100.3%	53,207	-23.2%



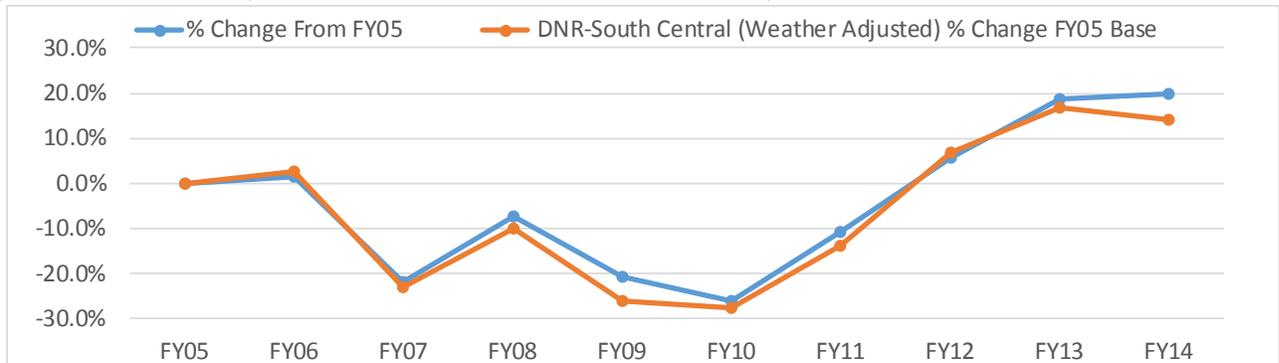
DNR-Green Bay		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	-	-	-	-	0.0%	0.0%	0.0%	-	0.0%
FY06	34,560	21,413	30,196	51,608	0.0%	100.0%	100.0%	51,608	0.0%
FY07	34,560	22,245	27,077	49,321	-4.4%	100.0%	100.9%	49,562	-4.0%
FY08	34,560	23,084	27,565	50,649	-1.9%	100.0%	97.4%	49,937	-3.2%
FY09	34,560	23,745	27,225	50,970	-1.2%	100.0%	98.1%	50,449	-2.2%
FY10	34,560	20,380	24,736	45,116	-12.6%	100.0%	101.7%	45,537	-11.8%
FY11	34,560	25,885	21,930	47,816	-7.3%	95.2%	98.5%	46,252	-10.4%
FY12	34,560	23,122	25,493	48,615	-5.8%	100.1%	100.3%	48,723	-5.6%
FY13	34,560	27,615	24,483	52,098	0.9%	100.0%	100.0%	52,118	1.0%
FY14	34,560	35,477	24,798	60,275	16.8%	88.9%	96.5%	55,489	7.5%



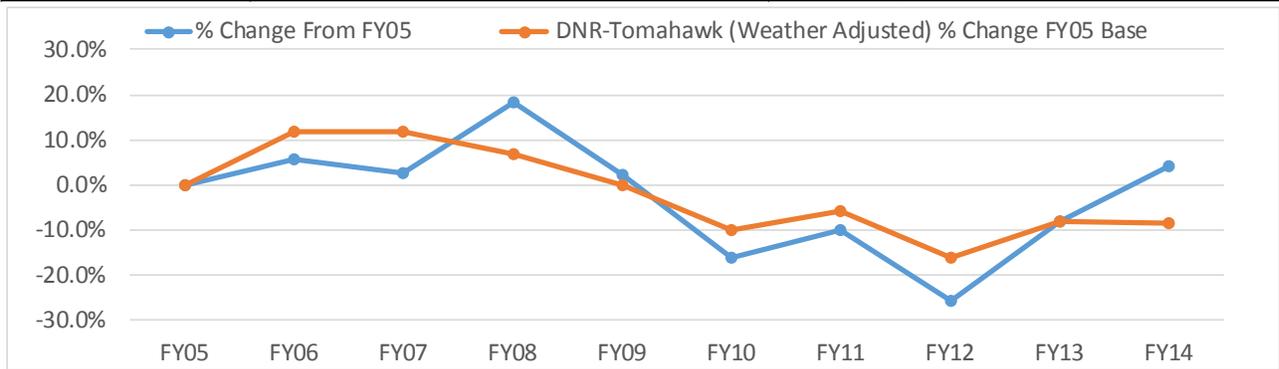
DNR-SE Milwaukee		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	48,000	56,758	50,237	106,995	0.0%	100.0%	100.0%	106,995	0.0%
FY06	48,000	53,584	48,787	102,371	-4.3%	100.1%	98.3%	101,585	-5.1%
FY07	48,000	56,573	48,350	104,923	-1.9%	99.9%	98.9%	104,333	-2.5%
FY08	48,000	59,854	45,493	105,347	-1.5%	94.4%	97.8%	101,021	-5.6%
FY09	48,000	55,621	42,173	97,794	-8.6%	94.1%	99.3%	94,250	-11.9%
FY10	48,000	51,115	44,113	95,228	-11.0%	102.2%	99.8%	96,286	-10.0%
FY11	48,000	51,223	43,089	94,312	-11.9%	95.5%	98.7%	91,488	-14.5%
FY12	48,000	47,992	42,172	90,164	-15.7%	110.6%	97.8%	94,295	-11.9%
FY13	48,000	52,740	40,593	93,333	-12.8%	97.1%	99.3%	91,522	-14.5%
FY14	48,000	58,775	40,571	99,346	-7.1%	87.6%	98.4%	91,418	-14.6%



DNR-South Central		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	33,976	63,636	37,605	101,241	0.0%	100.0%	100.0%	101,241	0.0%
FY06	33,976	63,242	39,468	102,709	1.5%	102.9%	98.2%	103,817	2.5%
FY07	33,976	46,915	32,320	79,235	-21.7%	97.7%	99.2%	77,871	-23.1%
FY08	33,976	55,857	38,096	93,953	-7.2%	96.6%	97.6%	91,151	-10.0%
FY09	33,976	48,475	31,879	80,354	-20.6%	91.0%	96.8%	74,974	-25.9%
FY10	33,976	44,576	30,180	74,756	-26.2%	97.0%	100.1%	73,437	-27.5%
FY11	33,976	57,031	33,321	90,352	-10.8%	96.1%	96.8%	87,067	-14.0%
FY12	33,976	65,252	41,886	107,138	5.8%	104.3%	96.0%	108,307	7.0%
FY13	33,976	79,677	40,453	120,130	18.7%	98.6%	98.3%	118,322	16.9%
FY14	33,976	80,180	41,102	121,282	19.8%	94.4%	97.1%	115,617	14.2%



DNR-Tomahawk		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	36,741	48,814	26,236	75,049	0.0%	100.0%	100.0%	75,049	0.0%
FY06	36,741	52,654	26,536	79,190	5.5%	108.9%	100.2%	83,937	11.8%
FY07	36,741	52,670	24,294	76,964	2.6%	113.1%	100.0%	83,846	11.7%
FY08	36,741	60,931	27,939	88,870	18.4%	86.1%	99.6%	80,322	7.0%
FY09	36,741	49,901	26,866	76,768	2.3%	96.9%	99.7%	75,127	0.1%
FY10	36,741	38,580	24,299	62,879	-16.2%	112.4%	99.8%	67,620	-9.9%
FY11	36,741	43,317	24,227	67,544	-10.0%	107.5%	100.0%	70,790	-5.7%
FY12	36,741	32,801	22,913	55,714	-25.8%	121.1%	101.8%	63,043	-16.0%
FY13	36,741	45,853	23,084	68,936	-8.1%	100.5%	99.6%	69,083	-7.9%
FY14	36,741	54,536	23,563	78,099	4.1%	82.7%	100.6%	68,808	-8.3%



# Agency Energy Use Summary

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## Department of Transportation



### SCOPE

Includes the larger Department of Transportation facilities: DTD 1 Madison; DTD 1, Madison Lab; DTD 1, "A" Building Madison; DTD 1, "B" Building Madison; DTD 2, West Allis; DTD 3, Green Bay; and DTD 8, Superior.

### ENERGY CONSUMPTION

**Total Change from Base - Weather Adjusted: 23.1 percent decrease.**

Energy use (BTU/GSF/Yr) for FY14 was 23.1 percent lower than in the base fiscal year, FY05.

**Latest Year Change - Weather Adjusted: 0.5 percent increase.**

Energy use (BTU/GSF/Yr) for FY14 increased 0.5 percent from the previous fiscal year.

***Average Annual Change - Weather Adjusted: 2.6 percent decrease per year.***

On average, energy use (BTU/GSF/Yr) has decreased 2.6 percent since the base year, FY05.

### GSF AND CONSUMPTION STATISTICS

***GSF Change from Base: 0 percent.***

Gross square footage has not changed from the base fiscal year, FY05.

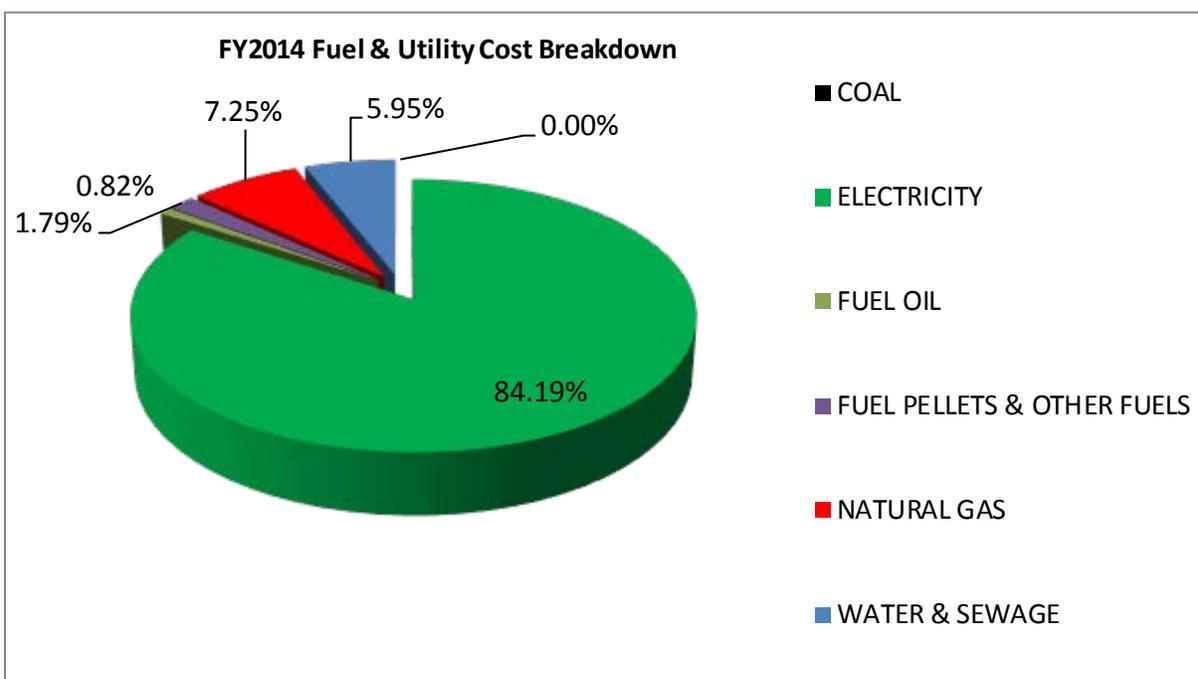
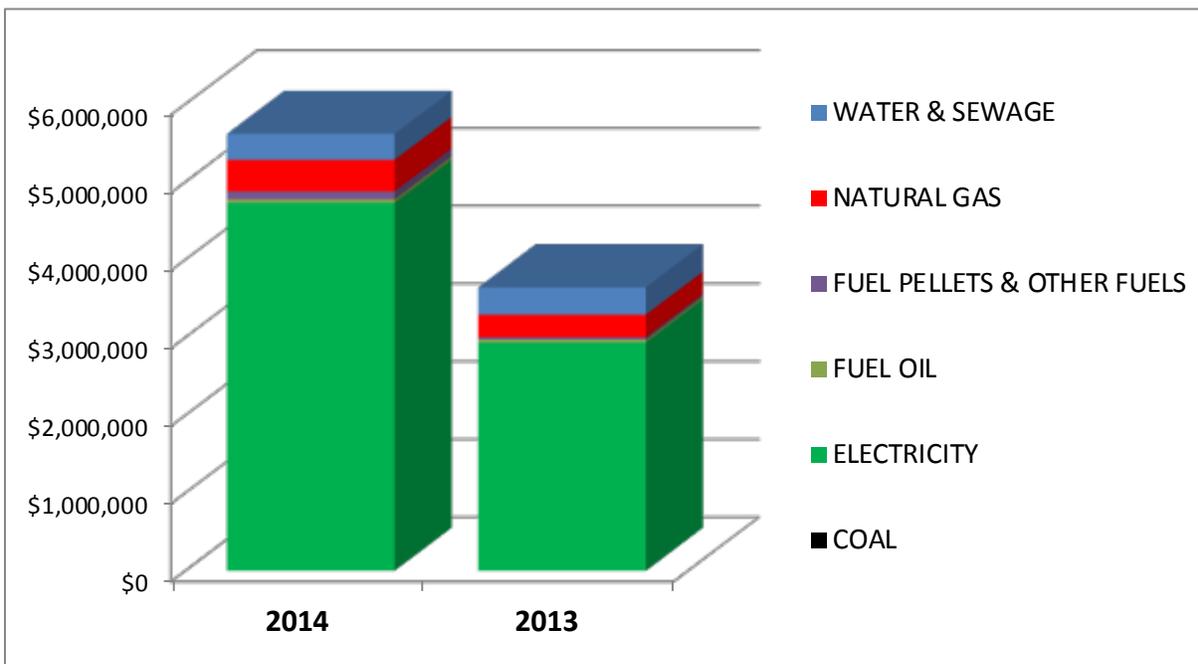
***Consumption Change from Base: 12.9 percent decrease.***

Total consumption was 12.9 percent less when compared to FY05. Total energy (million BTU) purchases in FY14 were 23.1 percent less than in the base year when adjusted for weather compared to FY05.

Agency Name: Transportation, Department of (395)

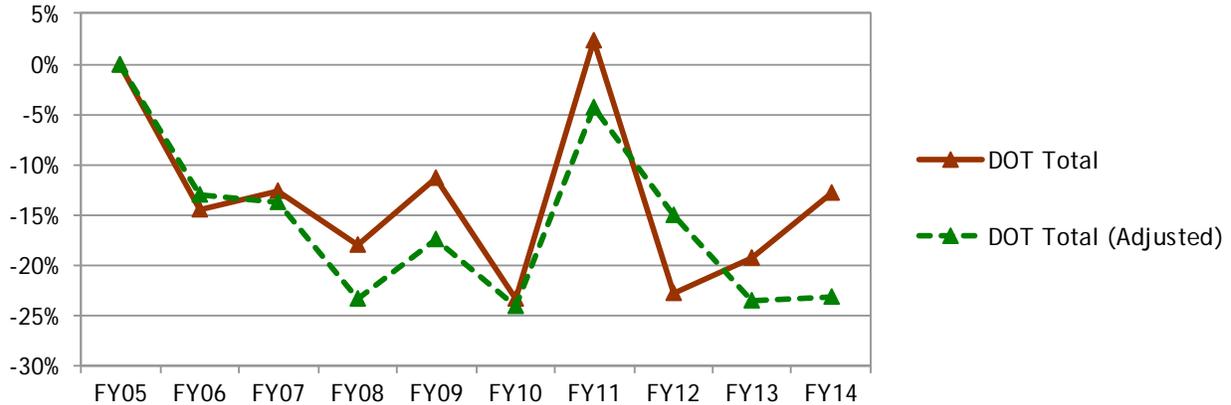
Category Name: Fuel and Utilities

Subcategory Code	Subcategory Name	Fiscal Year 2014	Fiscal Year 2013
3600	COAL	\$ -	\$ -
2500	ELECTRICITY	\$ 4,731,324	\$ 2,935,190
3610	FUEL OIL	\$ 46,276	\$ 38,990
3620	FUEL PELLETS & OTHER FUELS	\$ 100,471	\$ 31,142
2510	NATURAL GAS	\$ 407,370	\$ 289,975
2540	WATER & SEWAGE	\$ 334,181	\$ 350,569
<b>Total:</b>		<b>\$ 5,619,622</b>	<b>\$ 3,645,867</b>

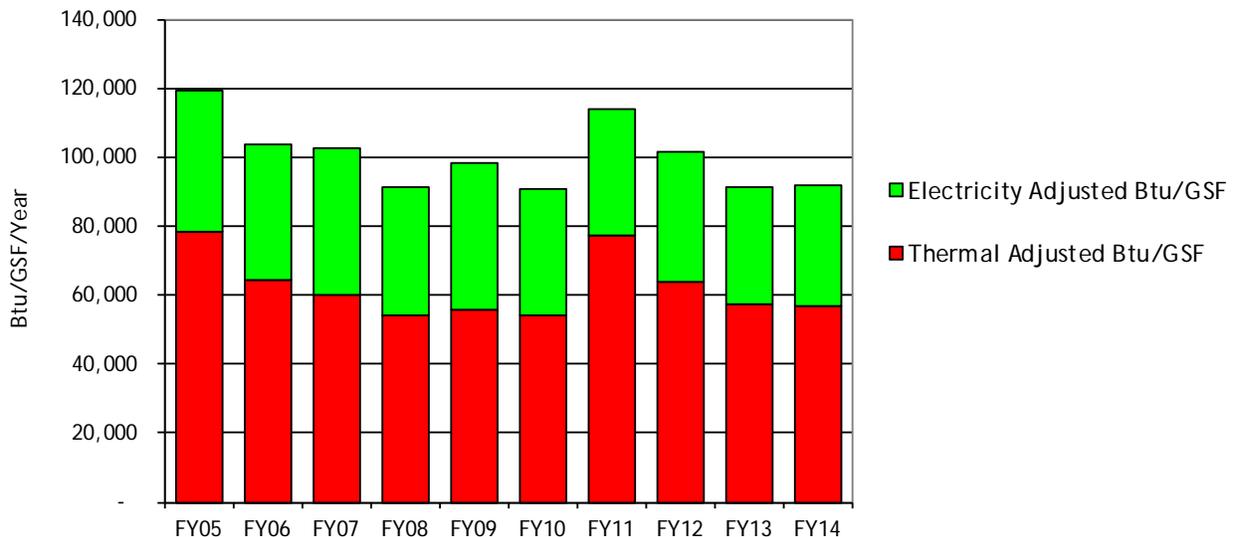


Department of Transportation DOT Total									
Fiscal Year	GSF	BTU/GSF				Weather-Adjusted			
		Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
<b>FY05</b>	303,373	78,586	40,562	119,148	0.0%	100.0%	100.0%	119,148	0.0%
<b>FY06</b>	303,373	62,872	39,056	101,928	-14.5%	102.6%	100.0%	103,575	-13.1%
<b>FY07</b>	303,373	61,354	42,757	104,111	-12.6%	97.8%	99.9%	102,745	-13.8%
<b>FY08</b>	303,373	60,505	37,287	97,793	-17.9%	89.4%	99.7%	91,230	-23.4%
<b>FY09</b>	303,373	63,146	42,591	105,737	-11.3%	88.3%	99.8%	98,270	-17.5%
<b>FY10</b>	303,373	55,108	36,287	91,395	-23.3%	98.4%	99.9%	90,492	-24.1%
<b>FY11</b>	303,373	85,021	36,943	121,964	2.4%	90.8%	99.7%	114,041	-4.3%
<b>FY12</b>	303,373	54,576	37,412	91,988	-22.8%	116.8%	100.4%	101,300	-15.0%
<b>FY13</b>	303,373	62,567	33,624	96,191	-19.3%	92.0%	99.7%	91,100	-23.5%
<b>FY14</b>	303,373	68,766	34,998	103,764	-12.9%	82.6%	99.4%	91,584	-23.1%

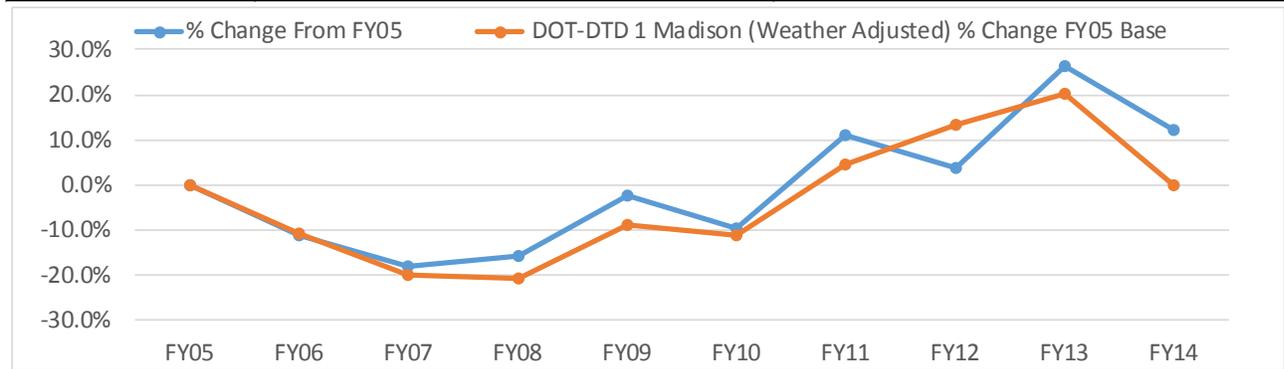
Percent Change from Base (BTU/GSF)



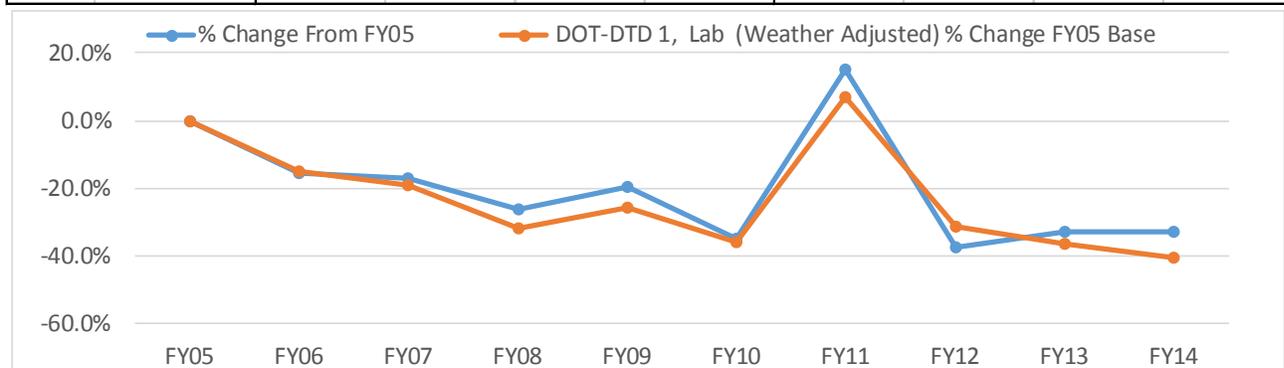
Department of Transportation Energy Usage (BTU/GSF)



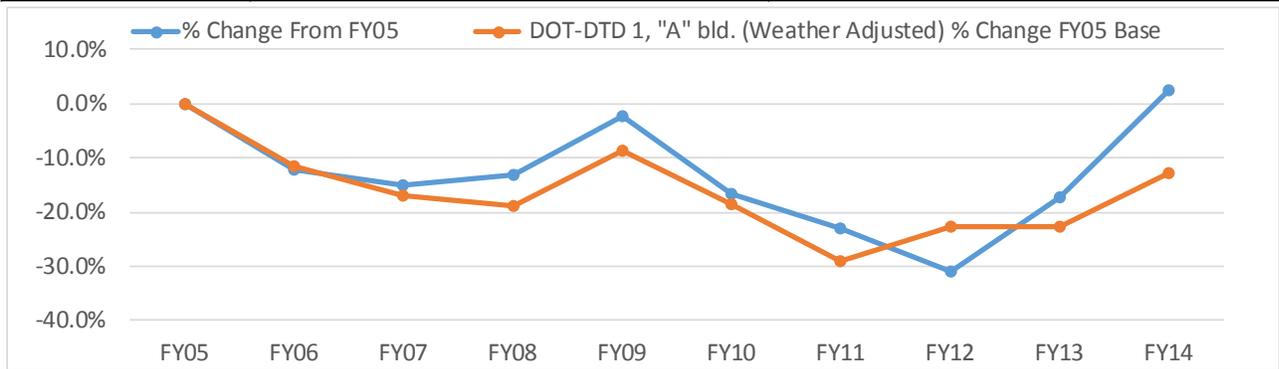
DOT-DTD 1 Madison		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	56,000	73,271	47,700	120,972	0.0%	100.0%	100.0%	120,972	0.0%
FY06	56,000	60,564	46,889	107,453	-11.2%	100.8%	100.0%	107,949	-10.8%
FY07	56,000	49,073	49,918	98,991	-18.2%	95.9%	100.0%	96,958	-19.9%
FY08	56,000	56,829	45,188	102,016	-15.7%	89.1%	100.0%	95,825	-20.8%
FY09	56,000	66,888	51,242	118,129	-2.3%	88.4%	100.0%	110,374	-8.8%
FY10	56,000	60,471	48,901	109,373	-9.6%	97.3%	100.0%	107,717	-11.0%
FY11	56,000	85,986	48,444	134,429	11.1%	90.7%	100.0%	126,453	4.5%
FY12	56,000	75,021	50,684	125,706	3.9%	115.1%	100.0%	137,001	13.2%
FY13	56,000	92,198	60,852	153,050	26.5%	91.8%	100.0%	145,457	20.2%
FY14	56,000	83,748	51,951	135,699	12.2%	82.4%	100.0%	120,981	0.0%



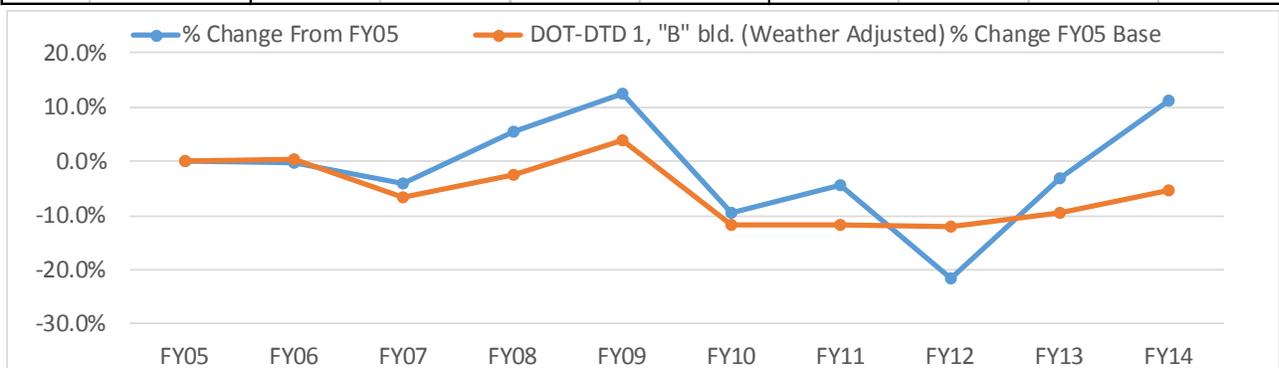
DOT-DTD 1, Lab		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	43,000	244,686	83,733	328,419	0.0%	100.0%	100.0%	328,419	0.0%
FY06	43,000	192,188	85,281	277,470	-15.5%	100.8%	100.0%	279,045	-15.0%
FY07	43,000	181,805	91,086	272,890	-16.9%	95.9%	100.0%	265,359	-19.2%
FY08	43,000	172,374	70,617	242,991	-26.0%	89.1%	100.0%	224,211	-31.7%
FY09	43,000	170,465	93,885	264,350	-19.5%	88.4%	100.0%	244,585	-25.5%
FY10	43,000	132,047	81,760	213,807	-34.9%	97.3%	100.0%	210,191	-36.0%
FY11	43,000	293,585	85,237	378,822	15.3%	90.7%	100.0%	351,589	7.1%
FY12	43,000	127,595	78,248	205,843	-37.3%	115.1%	100.0%	225,053	-31.5%
FY13	43,000	151,012	69,510	220,522	-32.9%	91.8%	100.0%	208,085	-36.6%
FY14	43,000	147,247	73,799	221,045	-32.7%	82.4%	100.0%	195,167	-40.6%



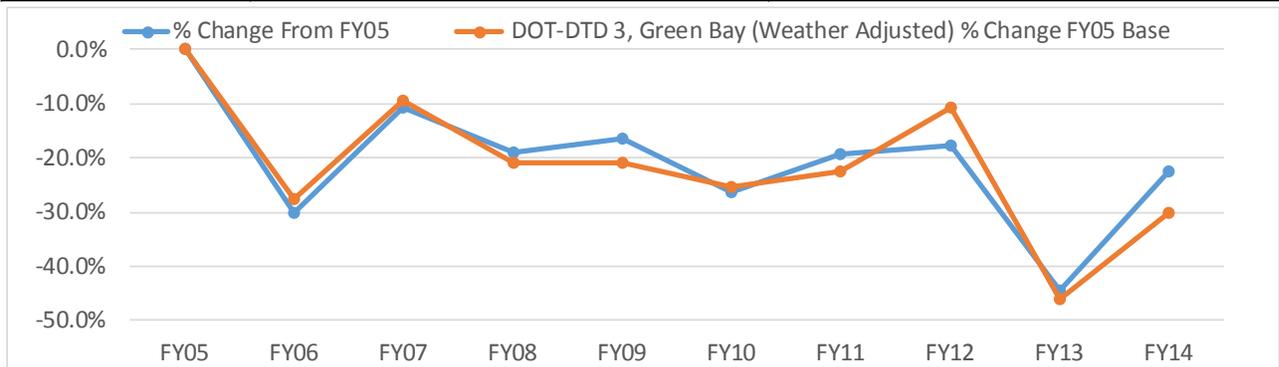
DOT-DTD 1, "A" bld.		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	51,700	21,795	16,588	38,383	0.0%	100.0%	100.0%	38,383	0.0%
FY06	51,700	17,944	15,812	33,756	-12.1%	100.8%	100.0%	33,903	-11.7%
FY07	51,700	17,402	15,194	32,596	-15.1%	95.9%	100.0%	31,876	-17.0%
FY08	51,700	19,507	13,792	33,299	-13.2%	89.1%	100.0%	31,173	-18.8%
FY09	51,700	21,598	15,939	37,536	-2.2%	88.4%	100.0%	35,032	-8.7%
FY10	51,700	25,460	6,559	32,020	-16.6%	97.3%	100.0%	31,322	-18.4%
FY11	51,700	23,778	5,713	29,491	-23.2%	90.7%	100.0%	27,285	-28.9%
FY12	51,700	20,857	5,619	26,476	-31.0%	115.1%	100.0%	29,616	-22.8%
FY13	51,700	26,178	5,605	31,783	-17.2%	91.8%	100.0%	29,627	-22.8%
FY14	51,700	33,420	5,946	39,366	2.6%	82.4%	100.0%	33,492	-12.7%



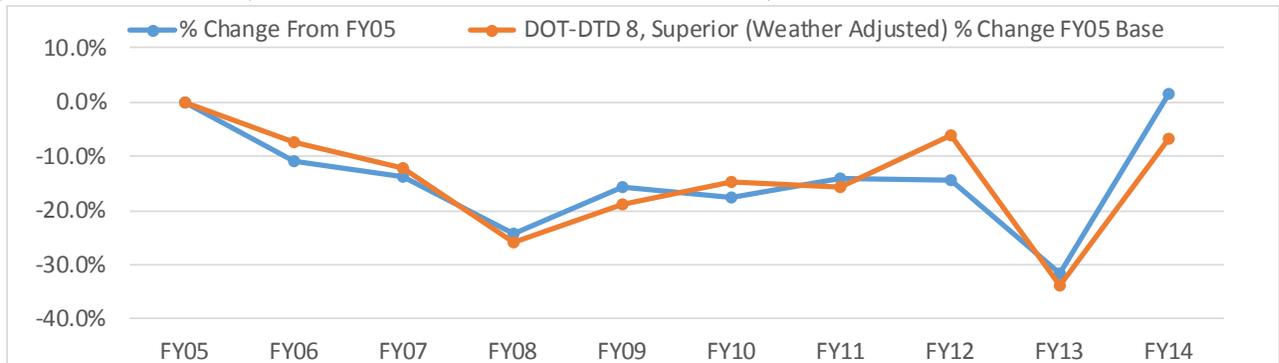
DOT-DTD 1, "B" bld.		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	51,200	34,129	18,468	52,596	0.0%	100.0%	100.0%	52,596	0.0%
FY06	51,200	34,133	18,318	52,451	-0.3%	100.8%	100.0%	52,731	0.3%
FY07	51,200	32,021	18,495	50,517	-4.0%	95.9%	100.0%	49,190	-6.5%
FY08	51,200	38,844	16,649	55,493	5.5%	89.1%	100.0%	51,261	-2.5%
FY09	51,200	39,789	19,462	59,251	12.7%	88.4%	100.0%	54,638	3.9%
FY10	51,200	38,316	9,199	47,516	-9.7%	97.3%	100.0%	46,466	-11.7%
FY11	51,200	41,586	8,694	50,280	-4.4%	90.7%	100.0%	46,422	-11.7%
FY12	51,200	33,178	8,119	41,296	-21.5%	115.1%	100.0%	46,292	-12.0%
FY13	51,200	42,508	8,512	51,019	-3.0%	91.8%	100.0%	47,519	-9.7%
FY14	51,200	49,828	8,742	58,570	11.4%	82.4%	100.0%	49,813	-5.3%



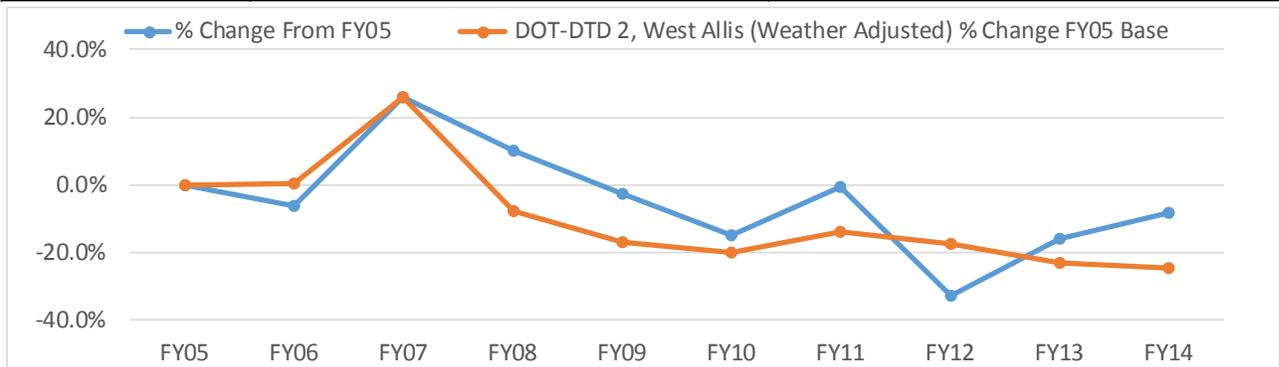
DOT-DTD 3, Green Bay		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	40,515	73,516	50,968	124,484	0.0%	100.0%	100.0%	124,484	0.0%
FY06	40,515	48,846	38,080	86,926	-30.2%	106.6%	100.0%	90,126	-27.6%
FY07	40,515	54,780	56,388	111,168	-10.7%	103.2%	100.0%	112,893	-9.3%
FY08	40,515	50,357	50,641	100,997	-18.9%	94.7%	100.0%	98,344	-21.0%
FY09	40,515	52,684	51,302	103,987	-16.5%	89.4%	100.0%	98,412	-20.9%
FY10	40,515	43,431	48,219	91,649	-26.4%	103.2%	100.0%	93,043	-25.3%
FY11	40,515	54,696	45,937	100,633	-19.2%	92.6%	100.0%	96,587	-22.4%
FY12	40,515	46,620	55,883	102,503	-17.7%	118.8%	100.0%	111,270	-10.6%
FY13	40,515	40,997	27,981	68,979	-44.6%	95.1%	100.0%	66,964	-46.2%
FY14	40,515	57,095	39,388	96,482	-22.5%	83.6%	100.0%	87,135	-30.0%



DOT-DTD 8, Superior		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	28,978	76,020	48,524	124,544	0.0%	100.0%	100.0%	124,544	0.0%
FY06	28,978	59,842	51,270	111,112	-10.8%	107.3%	100.0%	115,476	-7.3%
FY07	28,978	57,675	49,709	107,384	-13.8%	103.7%	100.0%	109,512	-12.1%
FY08	28,978	48,923	45,450	94,373	-24.2%	95.7%	100.0%	92,285	-25.9%
FY09	28,978	59,876	45,145	105,022	-15.7%	93.3%	100.0%	101,002	-18.9%
FY10	28,978	59,849	42,744	102,593	-17.6%	106.0%	100.0%	106,166	-14.8%
FY11	28,978	60,218	46,828	107,046	-14.0%	96.9%	100.0%	105,150	-15.6%
FY12	28,978	57,450	48,959	106,410	-14.6%	118.1%	100.0%	116,836	-6.2%
FY13	28,978	46,390	38,591	84,981	-31.8%	94.3%	100.0%	82,351	-33.9%
FY14	28,978	79,571	47,064	126,635	1.7%	86.6%	100.0%	115,965	-6.9%



DOT-DTD 2, West Allis		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	31,980	36,295	23,744	60,039	0.0%	100.0%	100.0%	60,039	0.0%
FY06	31,980	32,195	24,132	56,327	-6.2%	111.7%	100.7%	60,273	0.4%
FY07	31,980	50,579	25,072	75,651	26.0%	100.3%	99.0%	75,558	25.8%
FY08	31,980	40,839	25,348	66,187	10.2%	76.7%	95.3%	55,491	-7.6%
FY09	31,980	33,075	25,241	58,316	-2.9%	77.1%	96.1%	49,772	-17.1%
FY10	31,980	27,579	23,516	51,095	-14.9%	90.1%	98.9%	48,089	-19.9%
FY11	31,980	32,339	27,234	59,573	-0.8%	78.1%	96.6%	51,578	-14.1%
FY12	31,980	16,838	23,700	40,538	-32.5%	145.7%	105.9%	49,639	-17.3%
FY13	31,980	24,686	25,839	50,525	-15.8%	86.8%	96.2%	46,278	-22.9%
FY14	31,980	29,461	25,651	55,111	-8.2%	72.7%	92.6%	45,162	-24.8%



# Agency Energy Use Summary

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## SCOPE

Wisconsin Housing and Economic Development Authority (WHEDA) facility located at 201 West Washington Avenue, Madison

## ENERGY CONSUMPTION

**Total Change from Base - Weather Adjusted: 6.9 percent increase.**

Energy use (BTU/GSF/Yr) for FY14 was 6.9 percent higher than in the base fiscal year, FY05.

**Latest Year Change - Weather Adjusted: 5.7 percent increase.**

Energy use (BTU/GSF/Yr) for FY14 increased 5.7 percent from the previous fiscal year.

***Average Annual Change - Weather Adjusted: 0.8 percent increase per year.***

On average, energy use (BTU/GSF/Yr) has increased 0.8 percent since the base year, FY05.

## GSF AND CONSUMPTION STATISTICS

***GSF Change from Base: 0 percent.***

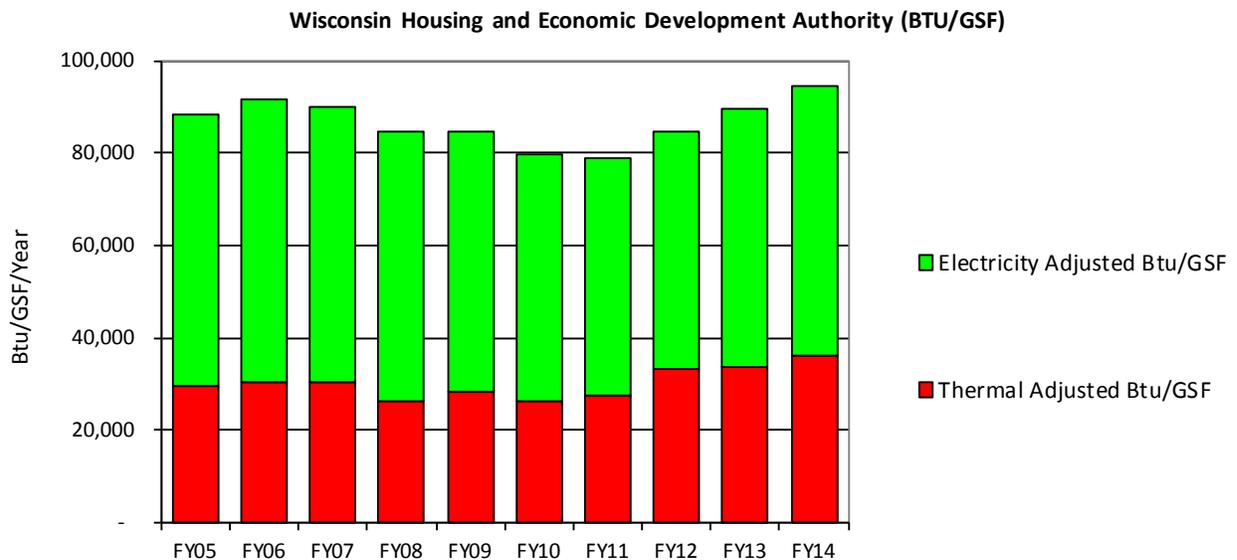
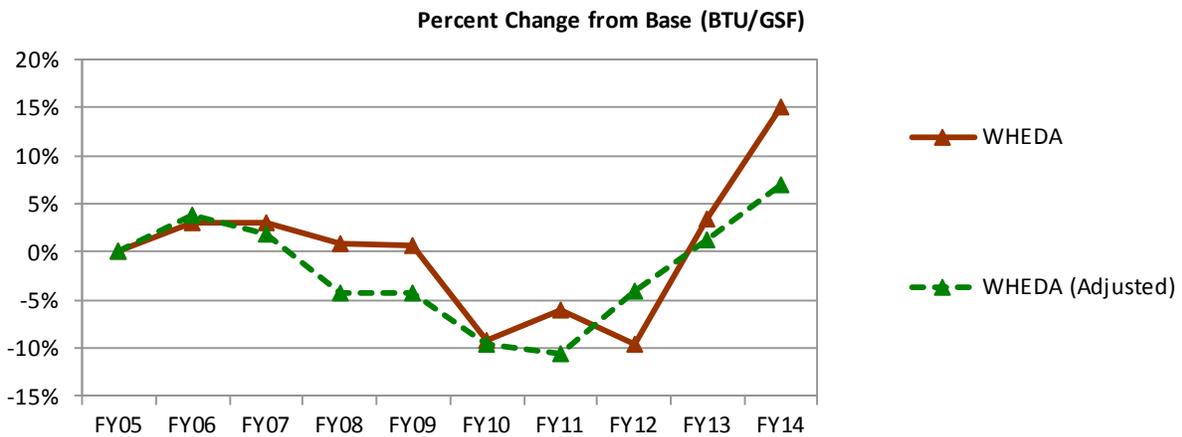
Gross square footage has not changed from the base fiscal year, FY05.

***Consumption Change from Base: 15 percent increase.***

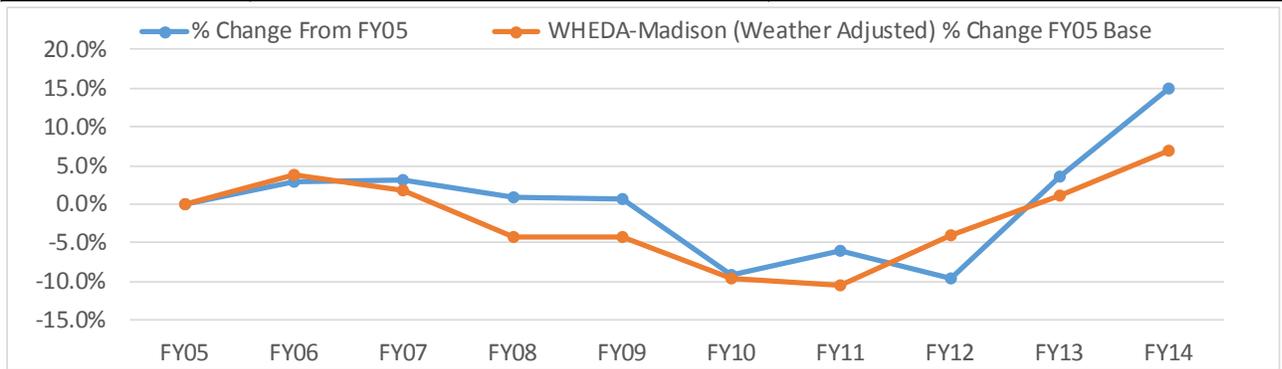
Total consumption was 15 percent greater when compared to FY05. Total energy (million BTU) purchases in FY14 were 6.9 percent greater than in the base year when adjusted for weather compared to FY05.

***Fuel & Utility Cost Breakdown for WHEDA is not available.***

Wisconsin Housing and Economic Development Authority									
WHEDA									
Fiscal Year	GSF	BTU/GSF				Weather-Adjusted			
		Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	161,000	29,417	58,994	88,411	0.0%	100.0%	100.0%	88,411	0.0%
FY06	161,000	29,171	61,897	91,068	3.0%	103.9%	99.4%	91,819	3.9%
FY07	161,000	31,582	59,559	91,141	3.1%	97.0%	99.9%	90,095	1.9%
FY08	161,000	30,665	58,493	89,158	0.8%	86.4%	99.5%	84,665	-4.2%
FY09	161,000	32,301	56,770	89,071	0.7%	87.7%	99.3%	84,691	-4.2%
FY10	161,000	26,768	53,565	80,333	-9.1%	97.7%	100.4%	79,941	-9.6%
FY11	161,000	30,955	52,083	83,038	-6.1%	89.0%	99.1%	79,142	-10.5%
FY12	161,000	27,572	52,415	79,987	-9.5%	120.2%	98.5%	84,809	-4.1%
FY13	161,000	35,774	55,739	91,513	3.5%	94.6%	99.8%	89,458	1.2%
FY14	161,000	42,798	58,899	101,697	15.0%	84.8%	98.9%	94,547	6.9%



WHEDA-Madison		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	161,000	29,417	58,994	88,411	0.0%	100.0%	100.0%	88,411	0.0%
FY06	161,000	29,171	61,897	91,068	3.0%	103.9%	99.4%	91,819	3.9%
FY07	161,000	31,582	59,559	91,141	3.1%	97.0%	99.9%	90,095	1.9%
FY08	161,000	30,665	58,493	89,158	0.8%	86.4%	99.5%	84,665	-4.2%
FY09	161,000	32,301	56,770	89,071	0.7%	87.7%	99.3%	84,691	-4.2%
FY10	161,000	26,768	53,565	80,333	-9.1%	97.7%	100.4%	79,941	-9.6%
FY11	161,000	30,955	52,083	83,038	-6.1%	89.0%	99.1%	79,142	-10.5%
FY12	161,000	27,572	52,415	79,987	-9.5%	120.2%	98.5%	84,809	-4.1%
FY13	161,000	35,774	55,739	91,513	3.5%	94.6%	99.8%	89,458	1.2%
FY14	161,000	42,798	58,899	101,697	15.0%	84.8%	98.9%	94,547	6.9%



# Agency Energy Use Summary

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## WISCONSIN STATE FAIR PARK

### SCOPE

Includes 640,976 gross square feet and 34 buildings located on the State Fair Park grounds West Allis, Wisconsin.

### ENERGY CONSUMPTION

**Total Change from Base - Weather Adjusted: 50.6 percent decrease.**

Energy use (BTU/GSF/Yr) for FY14 was 50.6 percent lower than in the base fiscal year, FY05.

**Latest Year Change - Weather Adjusted: 7.4 percent increase.**

Energy use (BTU/GSF/Yr) for FY14 increased 7.4 percent from the previous fiscal year.

***Average Annual Change - Weather Adjusted: 5.6 percent decrease per year.***

On average, energy use (BTU/GSF/Yr) has decreased 5.6 percent since the base year, FY05.

### GSF AND CONSUMPTION STATISTICS

***GSF Change from Base: 0 percent.***

Gross square footage has not changed from the base fiscal year, FY05.

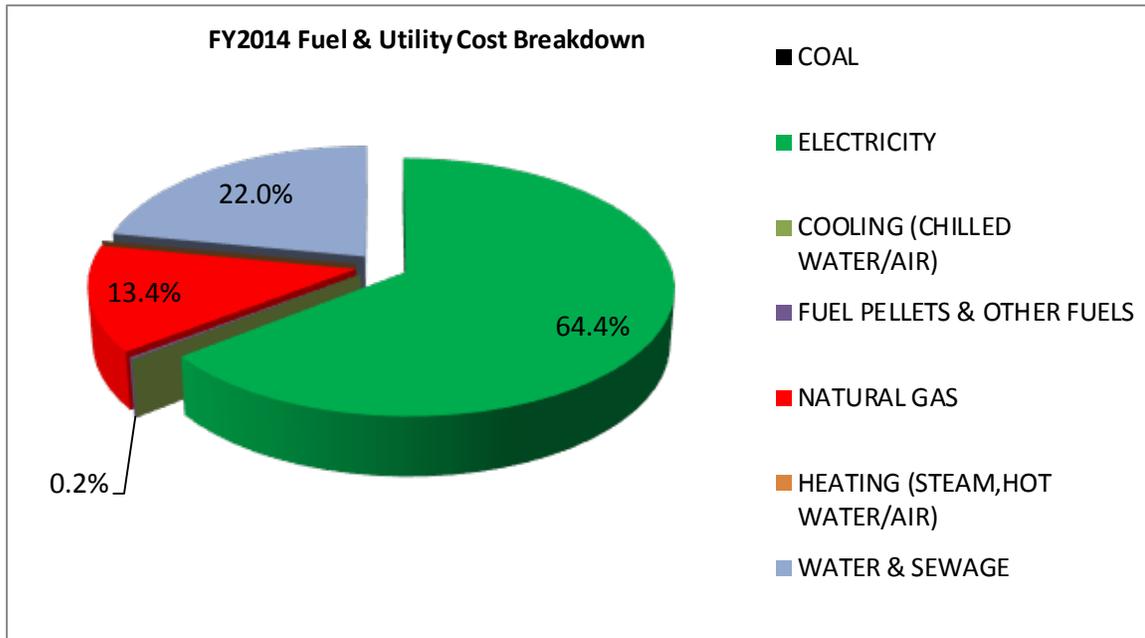
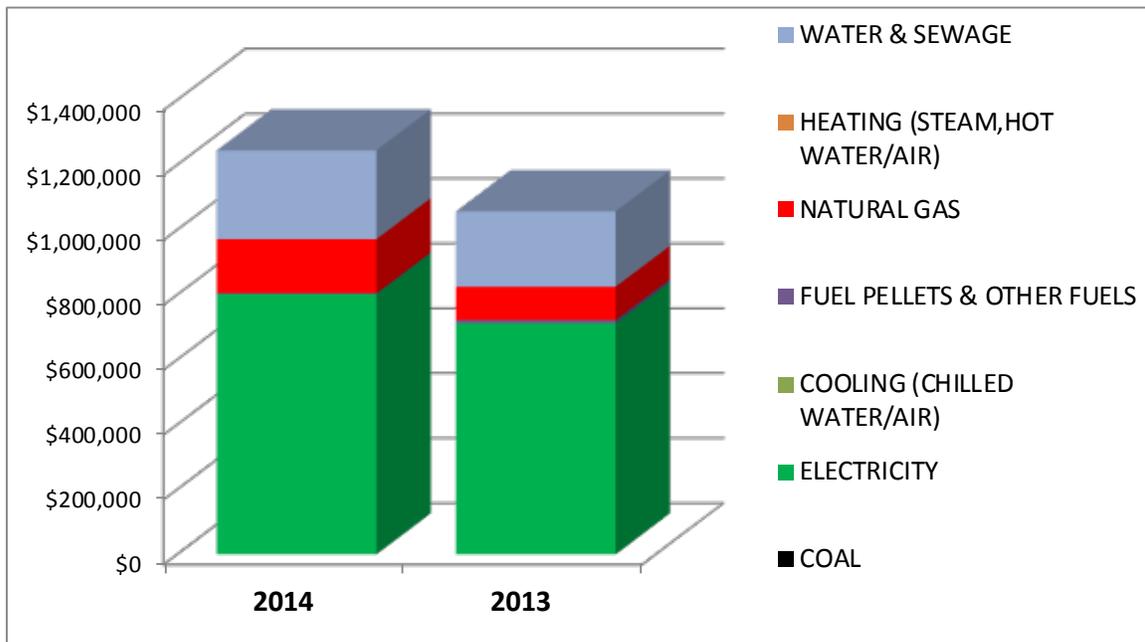
***Consumption Change from Base: 40.8 percent decrease.***

Total consumption was 40.8 percent less when compared to FY05. Total energy (million BTU) purchases in FY14 were 50.6 percent less than in the base year when adjusted for weather compared to FY05.

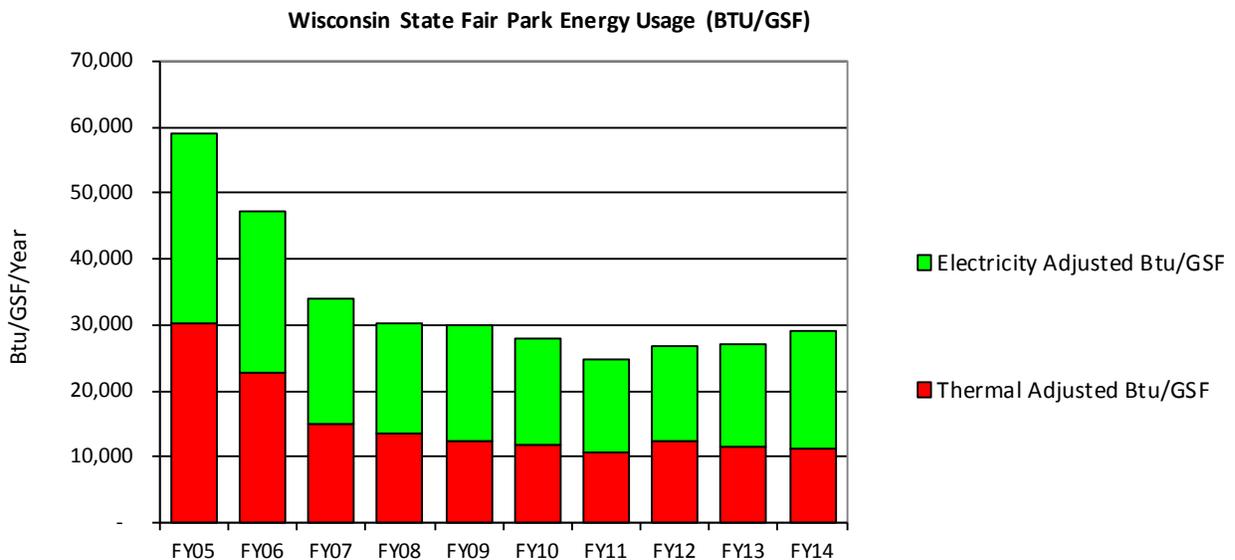
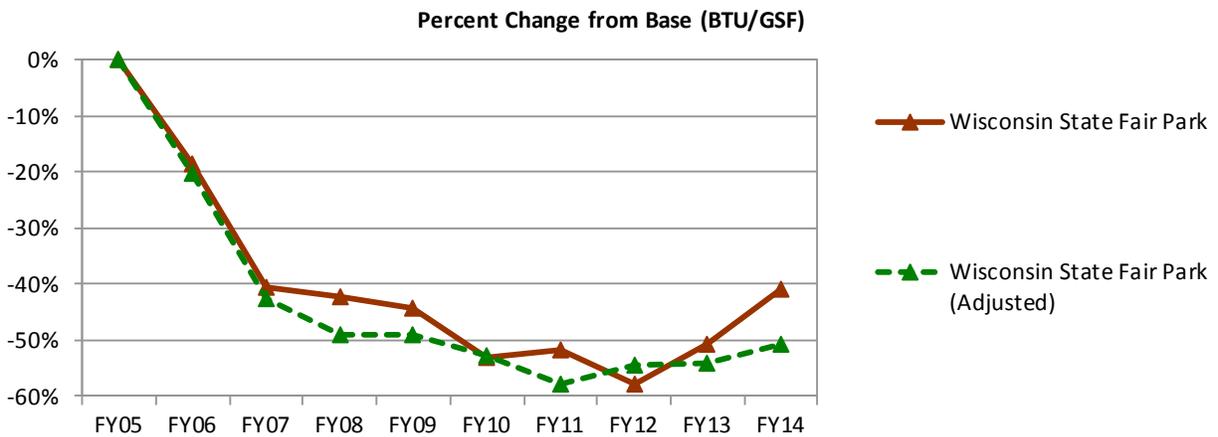
Agency Name: State Fair Park Board (190)

Category Name: Fuel and Utilities

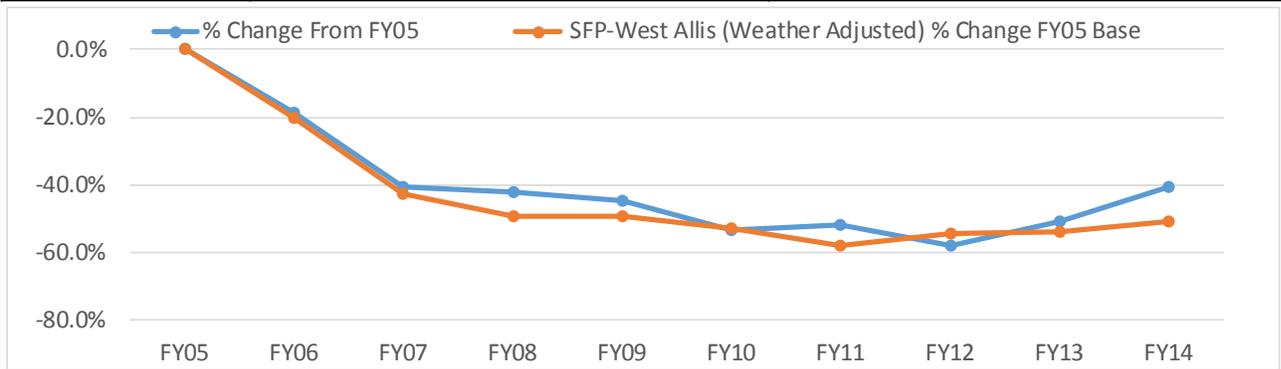
Subcategory Code	Subcategory Name	Fiscal Year 2014	Fiscal Year 2013
3600	COAL	\$ -	\$ -
2500	ELECTRICITY	\$ 801,994	\$ 712,474
2530	COOLING (CHILLED WATER/AIR)	\$ -	\$ -
3620	FUEL PELLETS & OTHER FUELS	\$ 2,770	\$ 9,860
2510	NATURAL GAS	\$ 166,669	\$ 102,449
2520	HEATING (STEAM,HOT WATER/AIR)	\$ -	\$ -
2540	WATER & SEWAGE	\$ 273,621	\$ 232,142
<b>Total:</b>		<b>\$ 1,245,054</b>	<b>\$ 1,056,924</b>



Wisconsin State Fair Park									
Wisconsin State Fair Park									
Fiscal Year	GSF	BTU/GSF				Weather-Adjusted			
		Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	640,976	30,236	28,864	59,100	0.0%	100.0%	100.0%	59,100	0.0%
FY06	640,976	21,015	27,022	48,038	-18.7%	108.4%	90.2%	47,167	-20.2%
FY07	640,976	14,903	20,127	35,030	-40.7%	100.1%	94.4%	33,934	-42.6%
FY08	640,976	14,880	19,271	34,151	-42.2%	90.9%	86.0%	30,088	-49.1%
FY09	640,976	13,723	19,127	32,850	-44.4%	89.9%	92.5%	30,027	-49.2%
FY10	640,976	11,270	16,355	27,625	-53.3%	105.2%	98.0%	27,883	-52.8%
FY11	640,976	11,533	16,992	28,525	-51.7%	91.2%	84.4%	24,860	-57.9%
FY12	640,976	9,215	15,746	24,962	-57.8%	134.7%	91.8%	26,873	-54.5%
FY13	640,976	12,317	16,742	29,059	-50.8%	92.9%	94.0%	27,180	-54.0%
FY14	640,976	14,972	20,021	34,992	-40.8%	74.3%	90.3%	29,201	-50.6%



SFP-West Allis		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	640,976	30,236	28,864	59,100	0.0%	100.0%	100.0%	59,100	0.0%
FY06	640,976	21,015	27,022	48,038	-18.7%	108.4%	90.2%	47,167	-20.2%
FY07	640,976	14,903	20,127	35,030	-40.7%	100.1%	94.4%	33,934	-42.6%
FY08	640,976	14,880	19,271	34,151	-42.2%	90.9%	86.0%	30,088	-49.1%
FY09	640,976	13,723	19,127	32,850	-44.4%	89.9%	92.5%	30,027	-49.2%
FY10	640,976	11,270	16,355	27,625	-53.3%	105.2%	98.0%	27,883	-52.8%
FY11	640,976	11,533	16,992	28,525	-51.7%	91.2%	84.4%	24,860	-57.9%
FY12	640,976	9,215	15,746	24,962	-57.8%	134.7%	91.8%	26,873	-54.5%
FY13	640,976	12,317	16,742	29,059	-50.8%	92.9%	94.0%	27,180	-54.0%
FY14	640,976	14,972	20,021	34,992	-40.8%	74.3%	90.3%	29,201	-50.6%



# Agency Energy Use Summary



## SCOPE

Various facilities and 290 buildings located throughout the State of Wisconsin.

## ENERGY CONSUMPTION

**Total Change from Base - Weather Adjusted: 9.2 percent decrease.**

Energy use (BTU/GSF/Yr) for FY14 was 9.2 percent lower than in the base fiscal year, FY05.

**Latest Year Change - Weather Adjusted: 0.8 percent decrease.**

Energy use (BTU/GSF/Yr) for FY14 decreased 0.8 percent from the previous fiscal year.

***Average Annual Change - Weather Adjusted: 1 percent decrease per year.***

On average, energy use (BTU/GSF/Yr) has decreased 1 percent since the base year, FY05.

## GSF AND CONSUMPTION STATISTICS

***GSF Change from Base: 16.4 percent.***

Gross square footage has increased 16.4% from the base fiscal year, FY05.

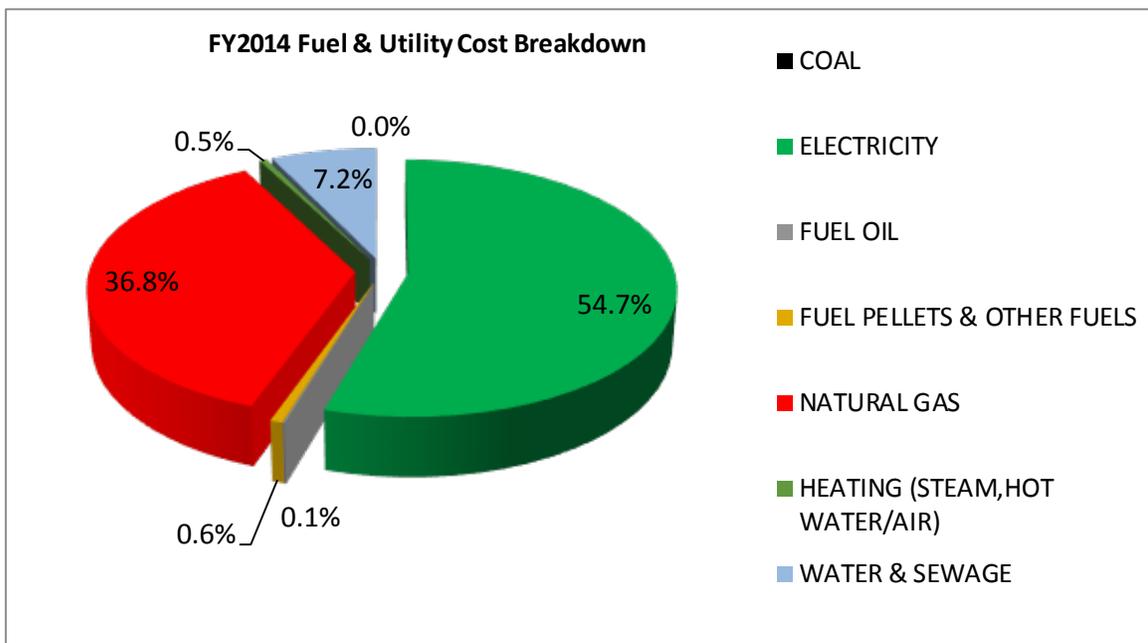
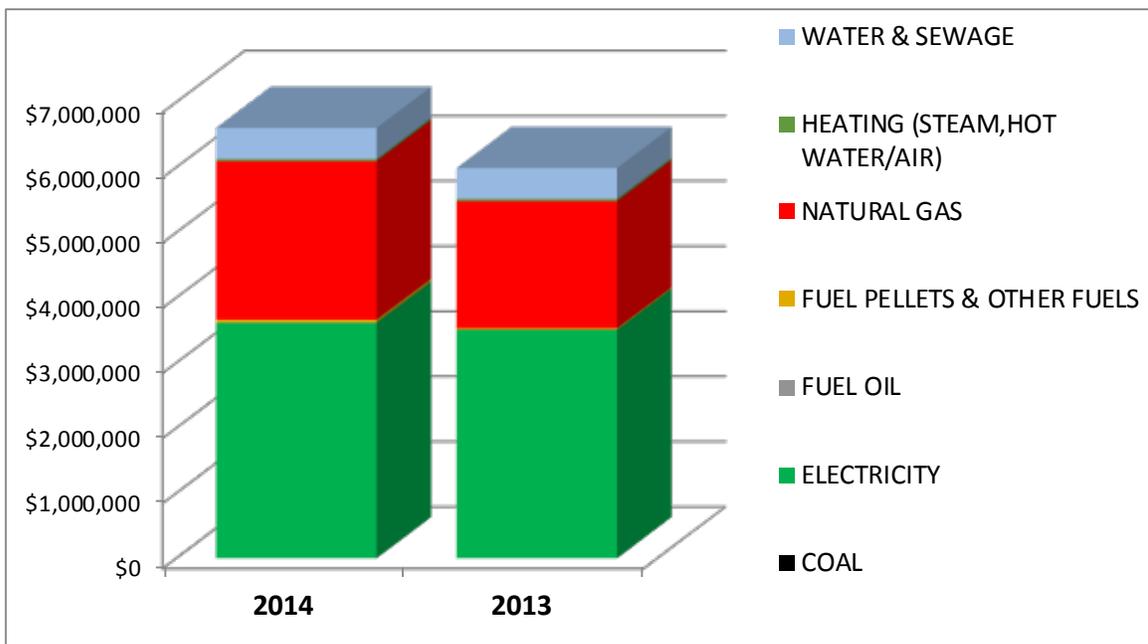
***Consumption Change from Base: 21.1 percent increase.***

Total consumption was 21.1 percent greater when compared to FY05. Total energy (million BTU) purchases in FY14 were 5.7 percent greater than in the base year when adjusted for weather compared to FY05.

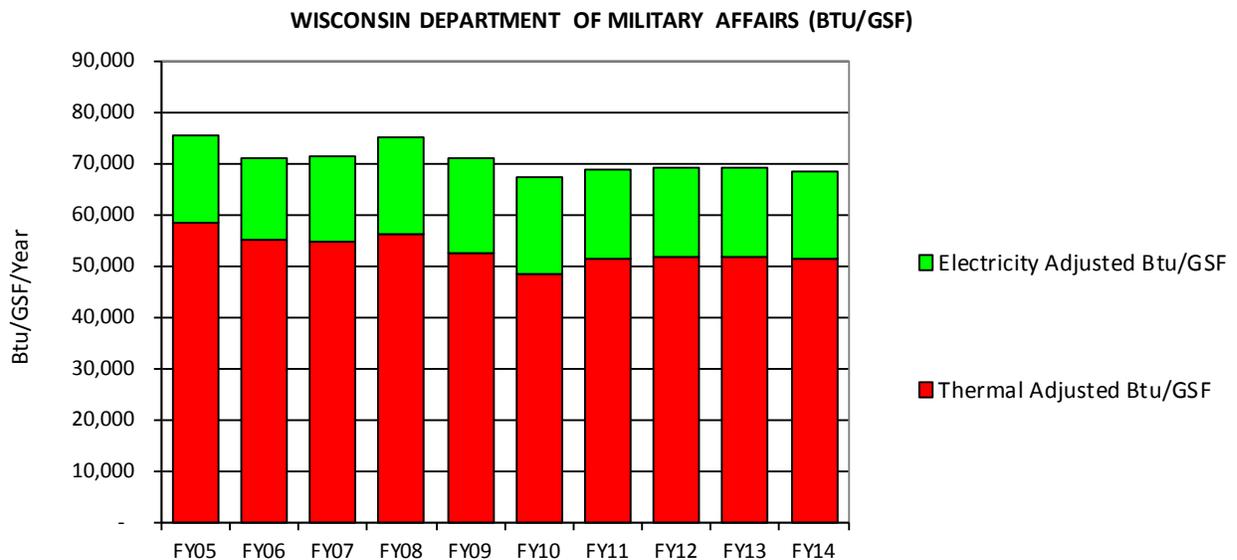
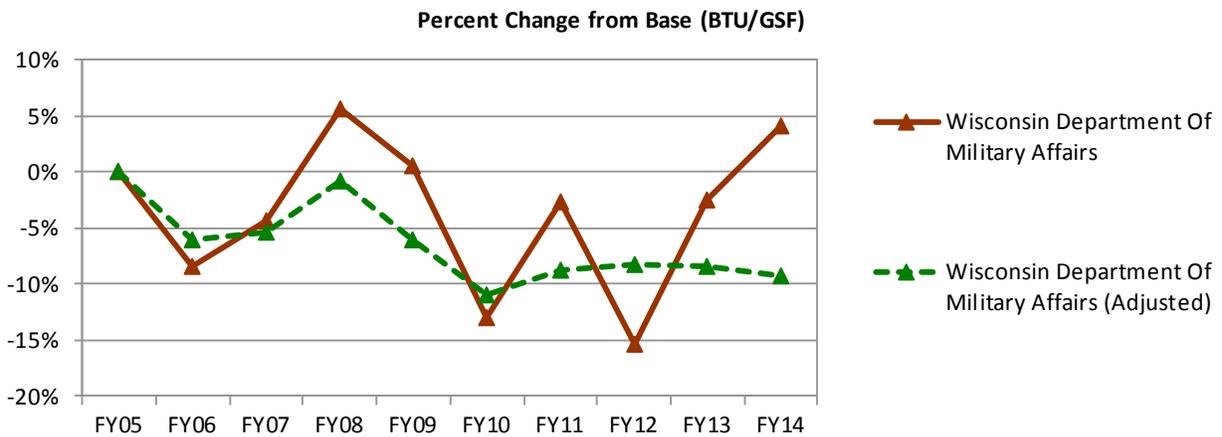
**Agency Name: Military Affairs, Department of (465)**

**Category Name: Fuel and Utilities**

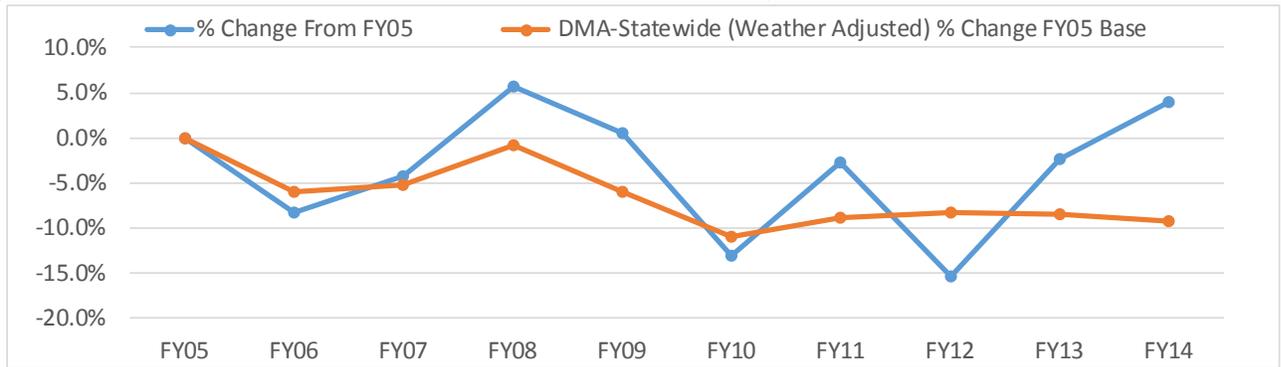
Subcategory Code	Subcategory Name	Fiscal Year 2014	Fiscal Year 2013
3600	COAL	\$ -	\$ -
2500	ELECTRICITY	\$ 3,613,851	\$ 3,505,921
3610	FUEL OIL	\$ 7,561	\$ 5,260
3620	FUEL PELLETS & OTHER FUELS	\$ 42,126	\$ 20,529
2510	NATURAL GAS	\$ 2,431,895	\$ 1,951,834
2520	HEATING (STEAM,HOT WATER/AIR)	\$ 33,143	\$ 32,356
2540	WATER & SEWAGE	\$ 478,451	\$ 474,104
<b>Total:</b>		<b>\$ 6,607,027</b>	<b>\$ 5,990,005</b>



Wisconsin Department Of Military Affairs									
Wisconsin Department Of Military Affairs									
Fiscal Year	GSF	BTU/GSF				Weather-Adjusted			
		Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	3,146,081	58,505	17,030	75,534	0.0%	100.0%	100.0%	75,534	0.0%
FY06	3,393,661	52,635	16,597	69,233	-8.3%	104.8%	95.5%	71,005	-6.0%
FY07	3,441,090	54,737	17,540	72,277	-4.3%	99.9%	96.1%	71,528	-5.3%
FY08	3,367,211	60,495	19,271	79,766	5.6%	93.0%	97.3%	74,987	-0.7%
FY09	3,399,756	57,347	18,621	75,968	0.6%	91.4%	99.7%	70,989	-6.0%
FY10	3,422,554	47,848	17,822	65,670	-13.1%	101.5%	104.9%	67,251	-11.0%
FY11	3,450,787	55,173	18,306	73,479	-2.7%	93.3%	95.2%	68,888	-8.8%
FY12	3,624,139	45,208	18,682	63,891	-15.4%	114.6%	94.0%	69,349	-8.2%
FY13	3,663,381	55,261	18,445	73,706	-2.4%	93.6%	94.3%	69,140	-8.5%
FY14	3,662,782	60,751	17,843	78,594	4.1%	84.4%	96.9%	68,576	-9.2%



DMA-Statewide		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	3,146,081	58,505	17,030	75,534	0.0%	100.0%	100.0%	75,534	0.0%
FY06	3,393,661	52,635	16,597	69,233	-8.3%	104.8%	95.5%	71,005	-6.0%
FY07	3,441,090	54,737	17,540	72,277	-4.3%	99.9%	96.1%	71,528	-5.3%
FY08	3,367,211	60,495	19,271	79,766	5.6%	93.0%	97.3%	74,987	-0.7%
FY09	3,399,756	57,347	18,621	75,968	0.6%	91.4%	99.7%	70,989	-6.0%
FY10	3,422,554	47,848	17,822	65,670	-13.1%	101.5%	104.9%	67,251	-11.0%
FY11	3,450,787	55,173	18,306	73,479	-2.7%	93.3%	95.2%	68,888	-8.8%
FY12	3,624,139	45,208	18,682	63,891	-15.4%	114.6%	94.0%	69,349	-8.2%
FY13	3,663,381	55,261	18,445	73,706	-2.4%	93.6%	94.3%	69,140	-8.5%
FY14	3,662,782	60,751	17,843	78,594	4.1%	84.4%	96.9%	68,576	-9.2%



## Facilities Energy Use Performance

Buildings with different functions and operating schedules have significantly different levels of energy use.

Examples:

The State Lab of Hygiene is a very highly ventilated laboratory space requiring 24/7 laboratory exhaust and supply to maintain safe operating conditions.

### FY14 State Lab of Hygiene:

Building Area Gross Square Foot (GSF) = 160,344

Heating Energy Use = 229182 BTU per GSF

Electrical Energy Use = 132158 BTU per GSF

*Total Rate of Energy Use = 361340 BTU per GSF*

The DNR Northeast Regional Headquarters office in Green Bay and the DOA Green Bay State Office Building Have some of the lowest energy use per square foot of all the State of Wisconsin office buildings.

### FY14 DNR Northeast Regional Headquarter:

Building Area Gross Square Foot (GSF) = 34,560

Heating Energy Use = 35477 BTU per GSF

Electrical Energy Use = 24798 BTU per GSF

*Total Rate of Energy Use = 60275 BTU per GSF*

### FY14 DOA Green Bay State Office Building:

Building Area Gross Square Foot (GSF) = 69,052

Heating Energy Use = 25164 BTU per GSF

Electrical Energy Use = 26603 BTU per GSF

*Total Rate of Energy Use = 51767 BTU per GSF*

### Facilities Energy Use Performance

Agency	Facility	FY2014 GSF	FY2014 Thermal Adjusted Btu/GSF/Yr	FY2014 Electric Adjusted Btu/GSF/Yr	FY2014 Total Adjusted Btu/GSF/Yr	FY2005 Total Adjusted Btu/GSF/Yr	FY2014 Weather Adjusted Change From FY05	FY2013 Total Adjusted Btu/GSF/Yr	FY2014 Weather Adjusted Change From FY13
UW	Eau Claire	2,634,457	80,288	30,633	110,921	149,148	-25.6%	115,277	-3.8%
UW	Green Bay	1,386,055	84,633	40,197	124,830	174,522	-28.5%	127,268	-1.9%
UW	La Crosse	2,677,906	99,566	35,889	135,455	150,442	-10.0%	130,903	3.5%
UW	Madison	23,070,777	171,235	68,541	239,776	303,901	-21.1%	239,945	-0.1%
UW	Milwaukee	5,195,749	84,575	40,822	125,397	171,927	-27.1%	129,222	-3.0%
UW	Oshkosh	3,001,171	90,207	34,495	124,702	136,452	-8.6%	126,174	-1.2%
UW	Parkside	1,262,322	95,873	39,818	135,691	146,123	-7.1%	136,081	-0.3%
UW	Platteville	2,244,485	94,078	31,625	125,703	139,216	-9.7%	134,417	-6.5%
UW	River Falls	1,769,312	68,104	25,543	93,647	124,558	-24.8%	98,206	-4.6%
UW	Stevens Point	2,629,769	111,161	34,593	145,753	164,136	-11.2%	143,731	1.4%
UW	Stout	2,448,864	77,784	30,071	107,856	113,062	-4.6%	115,257	-6.4%
UW	Superior	1,101,473	111,624	30,890	142,514	162,010	-12.0%	147,310	-3.3%
UW	Whitewater	2,942,875	99,174	38,135	137,310	145,867	-5.9%	132,847	3.4%
UW	Baraboo	151,015	56,554	25,800	82,355	88,823	-7.3%	78,512	4.9%
UW	Barron	146,683	52,844	22,989	75,833	93,920	-19.3%	86,458	-12.3%
UW	Fond du Lac	194,077	40,311	19,910	60,221	94,053	-36.0%	58,276	3.3%
UW	Fox Valley	274,078	63,168	47,273	110,441	113,923	-3.1%	110,820	-0.3%
UW	Manitowoc	125,045	43,290	23,728	67,018	74,988	-10.6%	68,747	-2.5%
UW	Marathon	327,695	52,391	26,514	78,905	119,478	-34.0%	89,208	-11.5%
UW	Marinette	107,988	81,768	25,762	107,530	131,496	-18.2%	104,394	3.0%
UW	Marshfield	149,996	70,890	30,341	101,231	105,100	-3.7%	93,739	8.0%
UW	Richland	108,760	64,400	38,154	102,553	116,252	-11.8%	96,299	6.5%
UW	Rock	191,592	47,976	18,489	66,464	73,445	-9.5%	67,994	-2.3%
UW	Sheboygan	200,918	74,704	31,640	106,344	102,754	3.5%	105,096	1.2%
UW	Washington	199,038	36,976	19,775	56,752	75,321	-24.7%	64,125	-11.5%
UW	Waukesha	277,016	49,564	28,392	77,955	94,752	-17.7%	85,802	-9.1%
<b>UW</b>	<b>Sub-Total</b>	<b>54,819,116</b>	<b>122,990</b>	<b>48,809</b>	<b>171,799</b>	<b>210,471</b>	<b>-18.4%</b>	<b>172,525</b>	<b>-0.4%</b>
DOA	Capitol Complex	2,013,307	46,454	45,697	92,151	169,826	-45.7%	89,336	3.2%
DOA	Hill Farms	644,904	111,047	57,401	168,448	185,875	-9.4%	166,074	1.4%
DOA	Air Services	17,898	93,530	17,599	111,128	115,262	-3.6%	107,749	3.1%
DOA	Badger Road	50,842	51,126	39,327	90,452	107,943	-16.2%	87,322	3.6%
DOA	Central Services	147,700	61,922	33,993	95,914	114,343	-16.1%	116,003	-17.3%
DOA	Eau Claire SOB	56,206	40,360	29,809	70,169	77,936	-10.0%	72,528	-3.3%
DOA	Executive Residence	23,455	52,019	35,810	87,828	122,168	-28.1%	85,564	2.6%
DOA	Green Bay SOB	69,206	21,241	25,978	47,219	57,083	-17.3%	45,891	2.9%
DOA	La Crosse SOB	45,965	42,129	31,012	73,141	67,468	8.4%	72,718	0.6%
DOA	Milwaukee SOB	201,200	38,418	35,081	73,499	76,115	-3.4%	68,726	6.9%
DOA	SE Crime Lab	43,935	87,282	75,394	162,677	120,490	35.0%	149,710	8.7%
DOA	Public Broadcasting	48,246	80,136	90,004	170,140	258,351	-34.1%	214,058	-20.5%
DOA	State Ag	118,011	47,643	34,964	82,607	90,538	-8.8%	70,415	17.3%
DOA	State Hygiene Lab	160,344	187,729	131,442	319,171	473,969	-32.7%	509,180	-37.3%
DOA	State Revenue	247,224	27,035	37,036	64,071	134,734	-52.4%	61,174	4.7%
DOA	Waukesha SOB	169,976	34,308	45,791	80,099	101,737	-21.3%	77,717	3.1%
DOA	WI Rapids SOB	51,552	31,036	29,168	60,204	78,136	-22.9%	66,371	-9.3%
<b>DOA</b>	<b>Sub-Total</b>	<b>4,109,971</b>	<b>61,004</b>	<b>48,772</b>	<b>109,776</b>	<b>157,840</b>	<b>-30.5%</b>	<b>107,602</b>	<b>2.0%</b>
DOC	Columbia	330,807	70,588	51,621	122,209	162,805	-24.9%	134,030	-8.8%
DOC	Ethan Allen	330,287	-	10,140	10,140	169,270	-94.0%	58,266	-82.6%
DOC	Fox Lake	533,407	148,199	38,931	187,130	189,382	-1.2%	184,930	1.2%
DOC	Green Bay	453,750	144,877	32,057	176,935	178,856	-1.1%	156,577	13.0%
DOC	Jackson	390,613	117,719	48,656	166,374	179,907	-7.5%	156,656	6.2%

### Facilities Energy Use Performance

Agency	Facility	FY2014 GSF	FY2014 Thermal Adjusted Btu/GSF/Yr	FY2014 Electric Adjusted Btu/GSF/Yr	FY2014 Total Adjusted Btu/GSF/Yr	FY2005 Total Adjusted Btu/GSF/Yr	FY2014 Weather Adjusted Change From FY05	FY2013 Total Adjusted Btu/GSF/Yr	FY2014 Weather Adjusted Change From FY13
DOC	Kettle Moraine	361,612	148,583	44,085	192,668	193,413	-0.4%	192,409	0.1%
DOC	Lincoln Hills	249,792	132,088	38,372	170,461	154,781	10.1%	171,365	-0.5%
DOC	Milwaukee Secure	413,011	62,211	38,045	100,256	88,479	13.3%	94,472	6.1%
DOC	New Lisbon	316,878	117,504	62,082	179,586	224,158	-19.9%	183,066	-1.9%
DOC	Oakhill	348,153	149,882	36,696	186,578	157,326	18.6%	179,522	3.9%
DOC	Oshkosh	890,187	113,924	38,962	152,886	154,357	-1.0%	151,188	1.1%
DOC	Prairie du Chien	383,100	87,653	15,487	103,140	121,679	-15.2%	95,359	8.2%
DOC	Racine Youth	207,697	82,490	35,331	117,821	123,239	-4.4%	123,688	-4.7%
DOC	Racine	409,046	109,858	62,770	172,628	174,029	-0.8%	164,300	5.1%
DOC	Redgranite	310,135	124,144	54,907	179,051	213,425	-16.1%	193,168	-7.3%
DOC	Boscobel	195,000	128,368	66,281	194,649	183,488	6.1%	193,128	0.8%
DOC	Stanley	411,897	128,945	49,628	178,572	204,540	-12.7%	179,205	-0.4%
DOC	Sturtevant	93,312	113,923	56,262	170,185	185,937	-8.5%	179,748	-5.3%
DOC	Taycheedah	380,940	85,419	37,291	122,710	118,910	3.2%	123,364	-0.5%
DOC	Waupun	1,260,274	198,907	40,836	239,743	245,233	-2.2%	240,784	-0.4%
<b>DOC</b>	<b>Sub-Total</b>	<b>8,269,898</b>	<b>123,763</b>	<b>41,521</b>	<b>165,285</b>	<b>178,066</b>	<b>-7.2%</b>	<b>165,539</b>	<b>-0.2%</b>
DHS	Mendota	1,372,434	209,448	34,722	244,170	262,179	-6.9%	248,817	-1.9%
DHS	Northern Center	721,377	93,852	23,864	117,715	186,667	-36.9%	122,116	-3.6%
DHS	Sand Ridge	339,814	75,834	42,212	118,046	151,656	-22.2%	116,630	1.2%
DHS	Southern Center	1,061,743	135,003	31,304	166,307	186,739	-10.9%	179,326	-7.3%
DHS	Winnebago	955,036	112,031	34,989	147,020	168,101	-12.5%	156,224	-5.9%
<b>DHS</b>	<b>Sub-Total</b>	<b>4,450,404</b>	<b>141,843</b>	<b>32,776</b>	<b>174,618</b>	<b>205,480</b>	<b>-15.0%</b>	<b>181,738</b>	<b>-3.9%</b>
DPI	Delavan	244,979	78,587	25,350	103,937	101,462	2.4%	111,520	-6.8%
DPI	Janesville	196,204	78,454	16,262	94,716	93,680	1.1%	95,142	-0.4%
<b>DPI</b>	<b>Sub-Total</b>	<b>441,183</b>	<b>78,528</b>	<b>21,308</b>	<b>99,836</b>	<b>98,001</b>	<b>1.9%</b>	<b>104,236</b>	<b>-4.2%</b>
DVA	King	733,728	129,559	45,016	174,574	197,411	-11.6%	179,551	-2.8%
<b>DVA</b>	<b>Sub-Total</b>	<b>733,728</b>	<b>129,559</b>	<b>45,016</b>	<b>174,574</b>	<b>197,411</b>	<b>-11.6%</b>	<b>179,551</b>	<b>-2.8%</b>
DNR	Tomahawk	36,741	45,099	23,709	68,808	75,049	-8.3%	69,083	-0.4%
DNR	SE Milwaukee	48,000	51,486	39,932	91,418	106,995	-14.6%	91,522	-0.1%
DNR	Darwin Road	24,820	31,470	21,738	53,207	69,301	-23.2%	50,302	5.8%
DNR	Green Bay	34,560	31,555	23,934	55,489	51,608	7.5%	52,118	6.5%
DNR	South Central	33,976	75,707	39,910	115,617	101,241	14.2%	118,322	-2.3%
<b>DNR</b>	<b>Sub-Total</b>	<b>178,097</b>	<b>48,132</b>	<b>30,941</b>	<b>79,073</b>	<b>90,938</b>	<b>-13.0%</b>	<b>78,615</b>	<b>0.6%</b>
DOT	DTD 3, Green Bay	40,515	47,747	39,388	87,135	124,484	-30.0%	66,964	30.1%
DOT	DTD 8, Superior	28,978	68,901	47,064	115,965	124,544	-6.9%	82,351	40.8%
DOT	DTD 2, West Allis	31,980	21,406	23,755	45,162	60,039	-24.8%	46,278	-2.4%
DOT	DTD 1, "A" bld.	51,700	27,546	5,946	33,492	38,383	-12.7%	29,627	13.0%
DOT	DTD 1, "B" bld.	51,200	41,071	8,742	49,813	52,596	-5.3%	47,519	4.8%
DOT	DTD 1, Lab	43,000	121,368	73,799	195,167	328,419	-40.6%	208,085	-6.2%
DOT	DTD 1 Madison	56,000	69,030	51,951	120,981	120,972	0.0%	145,457	-16.8%
<b>DOT</b>	<b>Sub-Total</b>	<b>303,373</b>	<b>56,785</b>	<b>34,798</b>	<b>91,584</b>	<b>119,148</b>	<b>-23.1%</b>	<b>91,100</b>	<b>0.5%</b>
WHEDA	Madison	161,000	36,303	58,244	94,547	88,411	6.9%	89,458	5.7%
<b>WHEDA</b>	<b>Sub-Total</b>	<b>161,000</b>	<b>36,303</b>	<b>58,244</b>	<b>94,547</b>	<b>88,411</b>	<b>6.9%</b>	<b>89,458</b>	<b>5.7%</b>
SFP	West Allis	640,976	11,129	18,072	29,201	59,100	-50.6%	27,180	7.4%
<b>SFP</b>	<b>Sub-Total</b>	<b>640,976</b>	<b>11,129</b>	<b>18,072</b>	<b>29,201</b>	<b>59,100</b>	<b>-50.6%</b>	<b>27,180</b>	<b>7.4%</b>
DMA	Statewide	3,662,782	51,283	17,293	68,576	75,534	-9.2%	69,140	-0.8%
<b>DMA</b>	<b>Sub-Total</b>	<b>3,662,782</b>	<b>51,283</b>	<b>17,293</b>	<b>68,576</b>	<b>75,534</b>	<b>-9.2%</b>	<b>69,140</b>	<b>-0.8%</b>
<b>State</b>	<b>Sum of Facilities</b>	<b>77,770,528</b>	<b>115,777</b>	<b>45,109</b>	<b>160,886</b>	<b>193,801</b>	<b>-17.0%</b>	<b>161,691</b>	<b>-0.5%</b>

## Key

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FY14 ELECTRICITY USE (BTU/GSF/YR) gives the rate of electricity use with 3413 BTU per kWh conversion factor for the 2014 fiscal year beginning July 1, 2013 and ending June 30, 2014.

FY14 FOSSIL FUEL USE (BTU/GSF/YR) gives the rate of fossil fuel use for the 2014 fiscal year.

FY14 TOTAL ENERGY USE (BTU/GSF/YR) provides rate of energy use data for the 2014 fiscal year.

LATEST YEAR PERCENT CHANGE refers to the percent change in energy consumption from fiscal year 2013 to fiscal year 2014.

BASE YEAR ENERGY USE (BTU/GSF/YR) represents rate of energy use for the base fiscal year FY2005.

GSF FY14 gives the total gross square feet monitored during the 2014 fiscal year.

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NOTE: Several external factors should be considered when viewing this data. External factors include: weather, space use, hours of occupancy, number of occupants, available maintenance funds, differences in facility design, number of plant and maintenance staff, and conservation funds allocated to the site.

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GSF (GROSS SQUARE FEET) Values used represent monitored gross square footage present on the last day of the fiscal year. GSF data were receive from the agencies.

ELECTRICITY (BTU/GSF/YR) Values were obtained by multiplying kWh of purchased electricity by 3,413 Btu/kWh (a standard conversion factor) and then dividing by GSF. This value includes electricity cogenerated on site at the following facilities: Green Bay Correctional, Waupun Correctional, Mendota Mental Health Institute, Winnebago Mental Health Institute and UW-Madison.

FOSSIL FUEL (BTU/GSF/YR) Values were obtained by dividing the fossil fuel energy use (Btu) by the gross square feet (GSF) for the indicated year. Fossil Fuel includes: natural gas, fuel oil, coal, purchased steam, wood and paper pellets. This energy is used for heating, cooling and adjusted for cogenerating electricity, depending upon the energy systems used in the facility.

TOTAL BTU/GSF/YR is the sum of the fossil fuel (Btu/GSF/Yr) and the electricity (Btu/GSF/Yr).

% CHANGE FROM BASE is equal to the percentage change in the Total Btu/GSF/Yr for FY2014 from Total Btu/GSF/Yr of the base year, FY2005.

Energy consumption rates are calculated using end-of-year GSF values. Therefore, if the total monitored gross square footage of a facility changes during the fiscal year, values for the rates of energy consumption will not be 100% accurate. The numbers become less accurate as the magnitude of the GSF change increases and the date of the change falls nearer the end of the fiscal year.

## Appendix A - Weather Adjustments and Degree Days for Selected Locations

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### EXPLANATION:

A degree-day is a unit of measure representing one degree of declination from 65°F in the mean daily outdoor temperature. It is simply a way of measuring how hot or cold it has been over a 24-hour period. Whenever the average (or mean) temperature is below 65 degrees Fahrenheit, you have a heating degree day. Whenever the average is above 65 degree Fahrenheit, you have a cooling degree day.

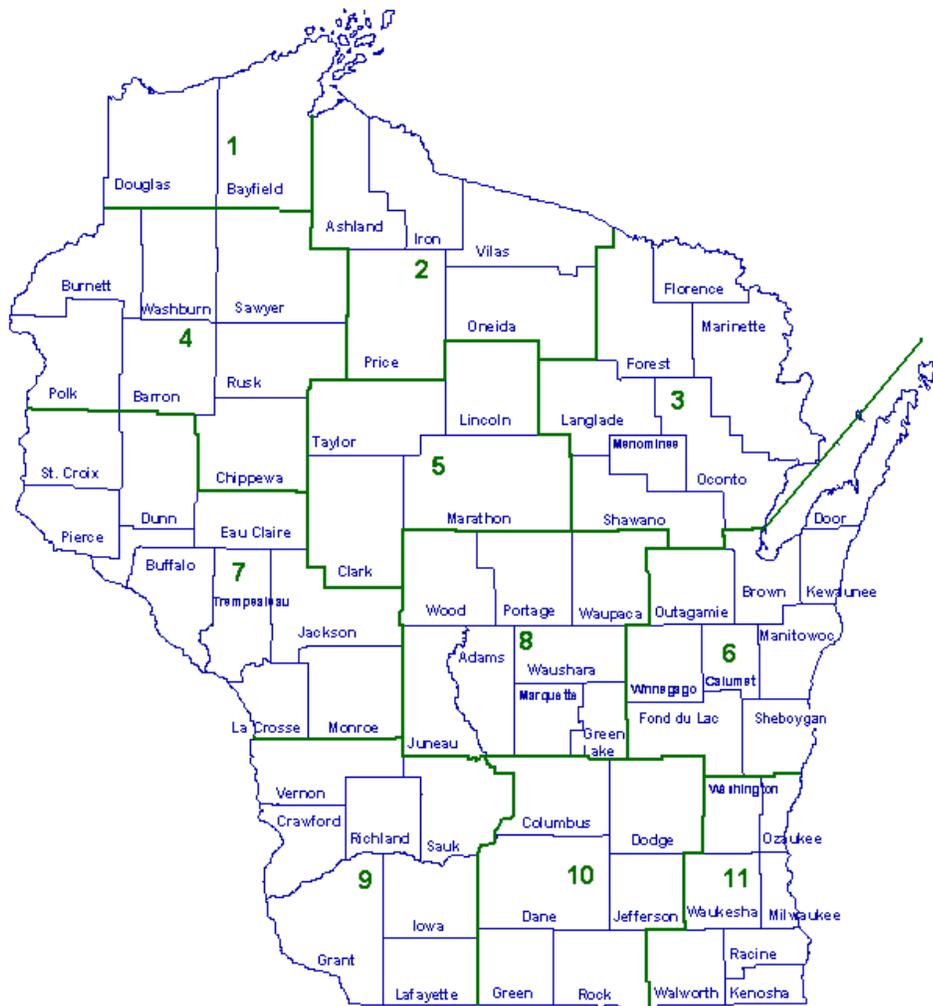
If in a 24-hour period the high outside temperature was 70 degrees and the low was 50 degrees, then the mean temperature for that day was 60 degrees - halfway between 70 and 50 degrees. This is 5 degrees less than the base temperature of 65. Therefore, we can say that there was 5 heating degree days (HDD) for the period.

If in a 24-hour period the high outside temperature was 80 degrees and the low was 60 degrees, then the mean temperature for that day was 70 degrees - halfway between 60 and 80 degrees. This is 5 degrees more than the base temperature of 65. Therefore, we can say that there was 5 cooling degree days (CDD) for the period.

There is a direct relationship between heating degree days and the amount of energy required to heat a residence. As HDD increases, the fuel bills to heat a typical building will also likely increase. The opposite is true for CDD. Once the daily average temperature is above 65°, homes start using air conditioning. Higher cooling degree days mean the air conditioner stays on longer to keep the occupant comfortable resulting in higher cooling costs.

Similar to a modified degree day methodology, weather adjustments were based on polynomial equation curve fits of thermal and electric energy use versus mean monthly temperatures curve fit "models" to determine the weather adjustment factors. A widely used statistic to gage the goodness-of-fit of the model is the coefficient of determination  $R^2$ . A value of  $R^2 = 1$  indicates a perfect correlation between actual data and the regression equation; a value of  $R^2 = 0$  indicates no correlation. As a rule of thumb the value of  $R^2$  should never be less than 0.75. In general, the thermal energy use for winter heating resulted in good correlation with  $R^2$  greater than 0.90 while electric energy use correlation did not correlate as well with  $R^2$  around 0.75. However, the weather-adjusted electric factors were small and did not significantly impact overall weather-adjustments.

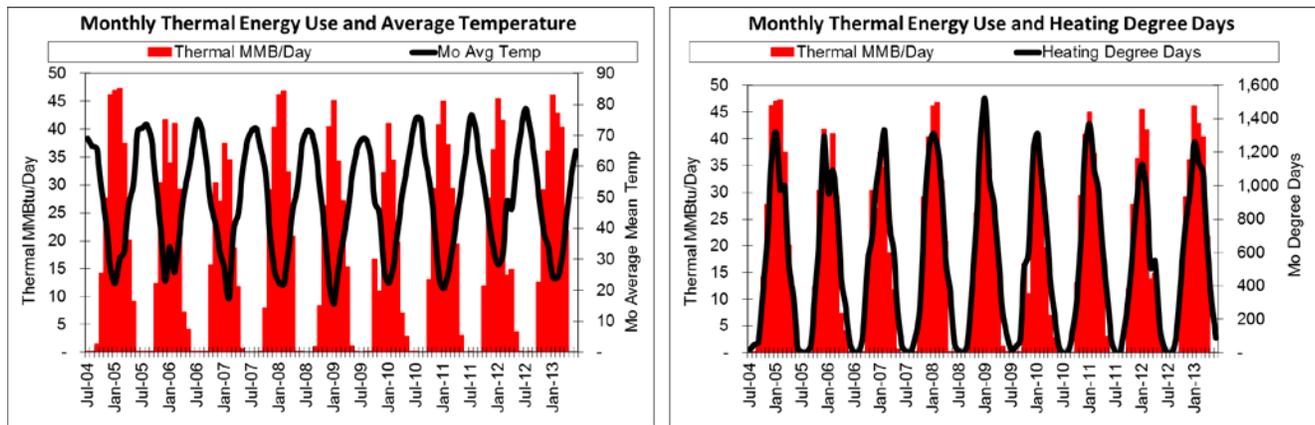
Degree-day and daily mean temperature data were obtained from the Division of Energy's Heating, Cooling and Growing Degree Days website at <http://www.doa.state.wi.us/degreedays/>.



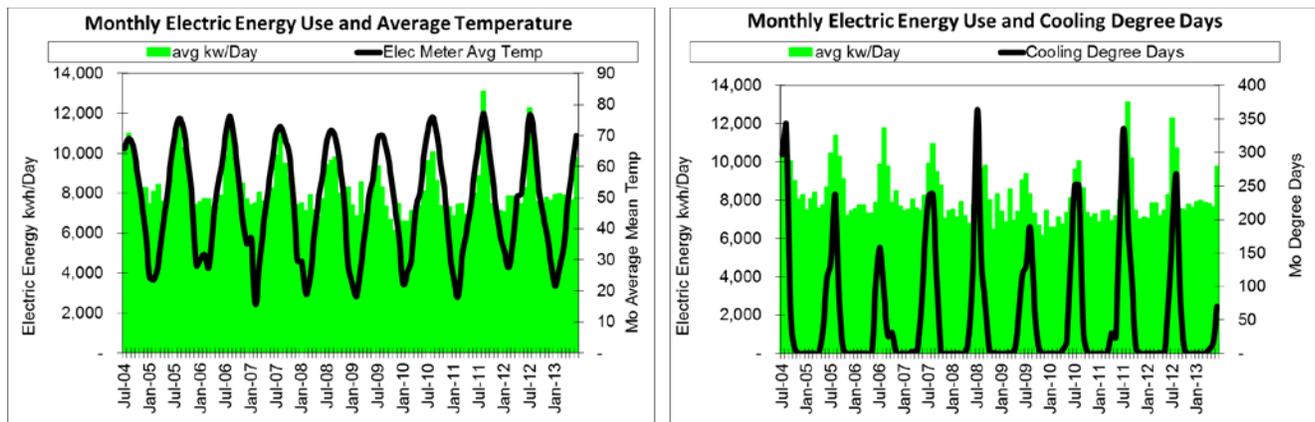
Heating and cooling degree day zone summaries are available for eleven geographic areas in Wisconsin that experience very similar temperatures throughout the year. The following table depicts the weather stations used for zone reporting. Notice that Zone 3 is an average of both Rhinelander which is inland, and Green Bay on the shores of Lake Michigan. (Zone 3 does not have good full time weather stations and is influenced by both cold inland temperatures and maritime weather from Lake Superior and Lake Michigan).

Zone	Weather Station
1	Ashland
2	Rhinelander
3	Rhinelander / Green Bay
4	Spoooner
5	Marshfield
6	Green Bay
7	Eau Claire
8	Hancock
9	Lancaster
10	Madison
11	Milwaukee

The relationships between thermal energy use to degree days and temperatures for a sample facility (DOA-Milwaukee State Office Building) are shown graphically below:



The relationships between electric energy use to degree days and temperatures for a sample facility (DOA-Milwaukee State Office Building) are shown graphically below:



As can be seen above, close to 100% of thermal energy is dependent on weather for winter space heating. However, approximately 10% of electric use is dependent on weather and varies with summer temperature for air conditioning building cooling. The ratio of annual Wisconsin heating degree day comparisons to FY2005 base year provide an indication of anticipated weather adjustments for a building's thermal energy:

**Heating Degree Days 65 Degree Base Compared to FY2005**

	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9	Zone 10	Zone 11	State HDD
FY05	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
FY06	93%	93%	93%	91%	95%	94%	93%	95%	99%	99%	94%	95%
FY07	96%	101%	99%	104%	100%	97%	100%	98%	104%	104%	100%	100%
FY08	104%	110%	108%	115%	111%	106%	113%	109%	115%	112%	105%	108%
FY09	107%	112%	112%	117%	108%	112%	114%	112%	112%	113%	107%	111%
FY10	94%	97%	97%	106%	94%	97%	100%	100%	105%	103%	96%	98%
FY11	103%	107%	108%	116%	105%	108%	112%	113%	107%	110%	105%	108%
FY12	85%	96%	91%	91%	87%	84%	88%	86%	83%	87%	85%	86%
FY13	106%	116%	111%	117%	108%	105%	112%	111%	107%	109%	105%	108%
FY14	115%	129%	124%	130%	121%	120%	124%	122%	122%	121%	119%	121%
Norm	103%	107%	107%	112%	103%	108%	107%	108%	108%	110%	106%	107%

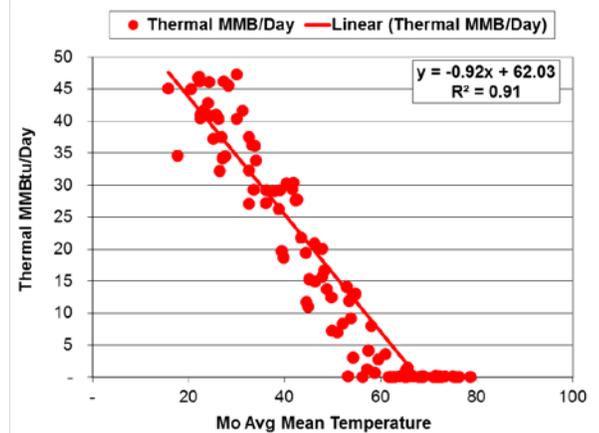
The ratio of annual Wisconsin cooling degree day comparisons to FY2005 base year provide an indication of anticipated weather adjustments for approximately 10% of a building's electrical energy:

**Cooling Degree Days 65 Degree Base Compared to FY2005**

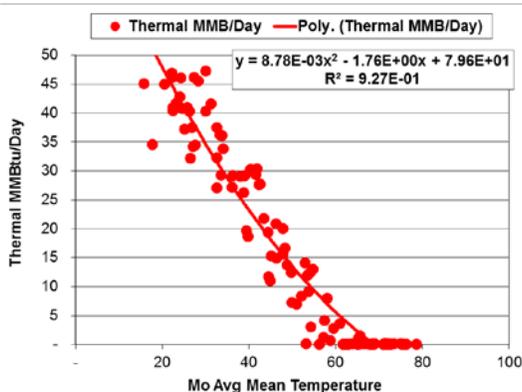
	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9	Zone 10	Zone 11	State CDD
FY05	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
FY06	151%	160%	135%	162%	137%	119%	147%	135%	133%	128%	145%	137%
FY07	212%	146%	131%	154%	130%	121%	151%	137%	131%	118%	131%	130%
FY08	163%	114%	114%	107%	107%	115%	107%	113%	113%	116%	123%	117%
FY09	110%	89%	95%	101%	97%	100%	95%	93%	87%	97%	105%	100%
FY10	78%	62%	63%	66%	77%	62%	66%	68%	69%	72%	93%	78%
FY11	167%	123%	124%	107%	136%	127%	126%	118%	164%	139%	144%	136%
FY12	227%	122%	144%	135%	157%	160%	144%	150%	192%	163%	168%	162%
FY13	175%	87%	118%	131%	140%	140%	136%	146%	187%	157%	148%	147%
FY14	153%	87%	100%	114%	130%	108%	133%	113%	146%	128%	112%	118%
Norm	136%	99%	86%	94%	113%	84%	110%	100%	111%	96%	109%	102%

### Sample Weather Adjustment Calculation:

To account for the facility's weather adjustment energy use, the relationship between monthly temperature and energy use were evaluated by graphing the energy use as a function of temperature and calculating the curve fit. The example results shown to the right indicate that no heating energy is required above 61.5 degrees (temperature curve intercept). The R-Squared ( $R^2$ ) is a statistical term saying how good one term is at predicting another. Note the  $R^2$  for this example is 0.91 close to 1.0 and good curve fit. For this example, if the temperature was 25 degrees in FY05 base year month and 20 degrees in FY14, the adjustment factor would be calculated as:



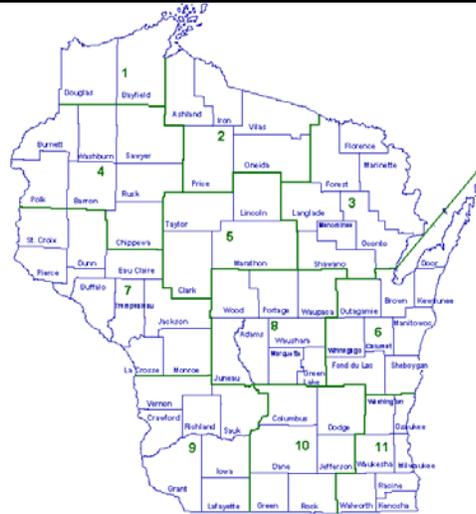
- FY05 Month Thermal Use =  $-0.92 * 25 + 62.03 = 39.03$  MMBtu/Day
- FY14 Month Thermal Use =  $-0.92 * 20 + 62.03 = 43.63$  MMBtu/Day
- FY14 Adjustment Factor =  $39.03/43.63 = 0.895$ , the FY13 adjustment multiplier
- FY14 Weather Adjusted Use =  $43.63 * 0.895 = 39.05$  MMBtu/Day or FY05 Base



Similar methodology was used for weather adjustments presented in this report, but were based on second order polynomial equation curve fit. The same data above is plotted with at left with second order polynomial curve fit with a somewhat better  $R^2$  than the linear equation in the above example.

The weather-adjusted electric factors were small and did not significantly impact overall weather-adjustments.

## Appendix B - Historical Degree Days Data for Regional Stations

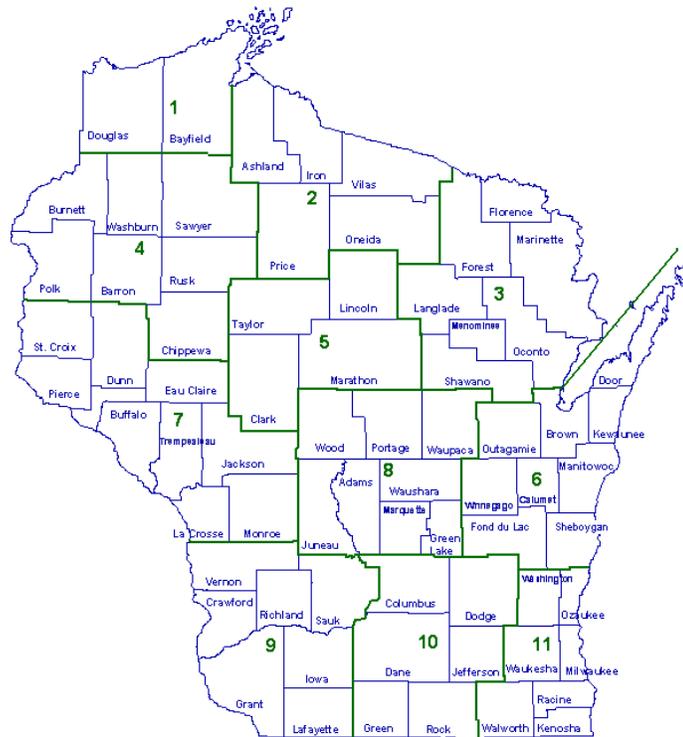


**Wisconsin Heating Degree Days**

Fiscal Year	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9	Zone 10	Zone 11	State HDD	Ratio to FY05
Normal	9,033	8,828	8,395	8,628	8,106	7,955	7,959	7,917	7,574	7,333	6,894	7,528	107%
FY96	10,282	10,027	9,379	9,420	8,608	8,571	9,046	8,608	8,459	8,164	7,660	8,321	119%
FY97	9,098	8,777	8,575	8,501	8,023	8,209	7,961	7,950	7,758	7,570	7,144	7,711	110%
FY98	7,816	7,625	7,416	7,181	7,151	7,038	6,837	7,205	6,784	6,621	6,386	6,761	97%
FY99	8,071	7,631	7,327	7,179	7,162	6,873	7,014	7,106	6,647	6,389	6,164	6,622	95%
FY00	8,243	7,916	7,726	7,301	7,455	7,377	7,224	7,374	6,757	6,562	6,091	6,781	97%
FY01	8,752	8,519	8,315	8,378	8,525	7,961	8,435	8,209	7,870	7,516	7,075	7,690	110%
FY02	8,306	7,899	7,570	7,480	7,502	7,084	7,264	7,167	6,663	6,501	6,178	6,746	96%
FY03	9,384	8,924	8,576	8,325	8,477	8,076	8,014	8,131	7,661	7,540	7,174	7,721	110%
FY04	9,180	8,491	8,106	8,053	8,081	7,558	7,891	7,656	7,180	7,042	6,686	7,273	104%
<b>FY05</b>	<b>8,769</b>	<b>8,220</b>	<b>7,847</b>	<b>7,685</b>	<b>7,857</b>	<b>7,335</b>	<b>7,409</b>	<b>7,317</b>	<b>7,003</b>	<b>6,641</b>	<b>6,517</b>	<b>7,005</b>	<b>100%</b>
FY06	8,173	7,615	7,324	6,989	7,493	6,884	6,903	6,939	6,939	6,587	6,155	6,652	95%
FY07	8,457	8,317	7,796	7,958	7,835	7,111	7,440	7,172	7,296	6,928	6,488	7,014	100%
FY08	9,160	9,072	8,478	8,810	8,686	7,743	8,382	7,956	8,025	7,453	6,872	7,600	108%
FY09	9,400	9,238	8,793	8,970	8,464	8,203	8,418	8,203	7,869	7,512	6,962	7,744	111%
FY10	8,275	7,988	7,628	8,163	7,348	7,107	7,413	7,340	7,333	6,828	6,236	6,891	98%
FY11	9,054	8,824	8,443	8,891	8,257	7,921	8,295	8,279	7,520	7,320	6,849	7,572	108%
FY12	7,422	7,899	7,103	6,992	6,870	6,174	6,484	6,319	5,796	5,772	5,526	6,030	86%
FY13	9,296	9,553	8,714	9,007	8,483	7,714	8,300	8,120	7,469	7,237	6,829	7,539	108%
FY14	10,127	10,584	9,758	10,017	9,509	8,771	9,167	8,952	8,510	8,057	7,742	8,472	121%

**Wisconsin Cooling Degree Days**

Fiscal Year	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9	Zone 10	Zone 11	State CDD	Ratio to FY05
Normal	288	331	366	410	456	398	579	510	536	568	641	540	102%
FY96	343	391	574	549	744	711	715	731	749	879	854	772	146%
FY97	219	223	271	357	458	292	500	420	422	392	562	441	83%
FY98	241	280	333	413	395	351	539	436	521	484	515	457	86%
FY99	380	455	494	584	514	494	738	525	621	642	771	644	122%
FY00	314	408	444	524	445	438	621	467	569	580	733	589	111%
FY01	189	324	365	454	341	367	564	446	539	573	573	499	94%
FY02	410	476	545	623	551	570	707	594	664	690	784	680	129%
FY03	366	406	463	509	465	477	687	523	618	631	731	615	116%
FY04	304	351	379	523	454	365	596	550	604	572	622	537	102%
<b>FY05</b>	<b>212</b>	<b>334</b>	<b>426</b>	<b>438</b>	<b>402</b>	<b>475</b>	<b>527</b>	<b>510</b>	<b>485</b>	<b>589</b>	<b>588</b>	<b>529</b>	<b>100%</b>
FY06	321	534	573	710	549	565	773	690	646	754	855	727	137%
FY07	449	488	557	673	521	573	796	701	635	693	768	687	130%
FY08	345	382	486	470	429	545	562	575	549	683	721	618	117%
FY09	234	298	404	441	388	474	500	473	422	571	618	529	100%
FY10	165	208	270	288	311	295	349	348	337	424	549	412	78%
FY11	353	412	528	469	546	604	662	601	796	819	849	722	136%
FY12	482	409	614	591	631	760	760	766	933	958	986	855	162%
FY13	370	289	502	574	561	667	716	747	906	922	873	778	147%
FY14	324	290	424	500	521	512	700	576	707	752	658	623	118%

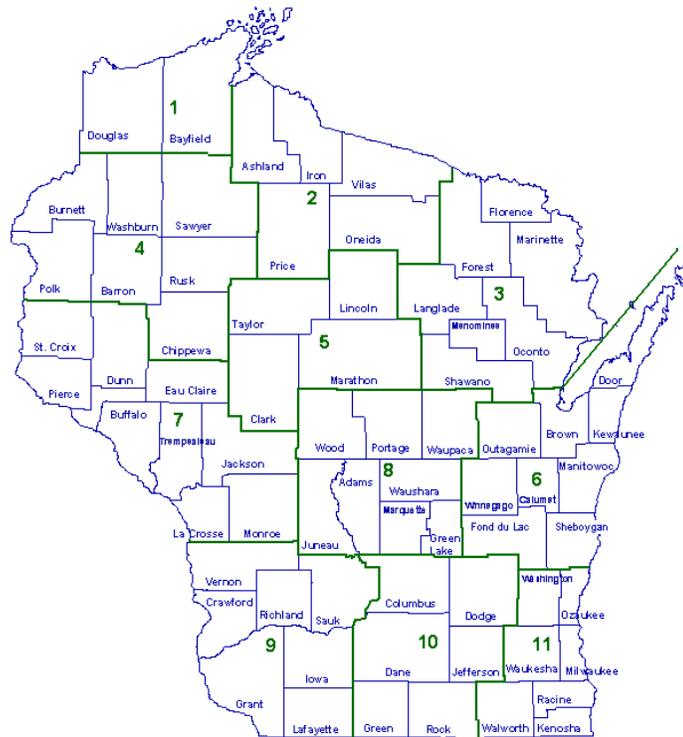


**FY2005 Monthly Wisconsin Heating Degree Days**

Mo-Year	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9	Zone 10	Zone 11	State HDD
Jul-04	68	46	40	28	29	30	16	29	18	11	19	22
Aug-04	156	155	127	110	123	89	104	92	89	72	48	78
Sep-04	122	94	91	86	96	82	93	86	79	83	66	79
Oct-04	547	542	507	473	521	458	475	470	473	418	369	429
Nov-04	885	890	839	847	855	770	831	802	769	738	675	749
Dec-04	1,454	1,467	1,386	1,423	1,413	1,288	1,363	1,302	1,273	1,200	1,161	1,253
Jan-05	1,781	1,649	1,572	1,613	1,602	1,480	1,517	1,535	1,516	1,400	1,318	1,436
Feb-05	1,235	1,185	1,142	1,144	1,151	1,088	1,117	1,097	1,057	995	973	1,044
Mar-05	1,270	1,224	1,203	1,131	1,178	1,168	1,134	1,132	1,012	1,010	997	1,073
Apr-05	677	560	550	473	502	528	449	452	402	417	518	491
May-05	460	391	372	349	376	337	305	311	307	283	344	331
Jun-05	114	17	18	8	11	17	5	9	8	14	29	20
Total	8,769	8,220	7,847	7,685	7,857	7,335	7,409	7,317	7,003	6,641	6,517	7,005

**FY2014 Monthly Wisconsin Heating Degree Days**

Mo-Year	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9	Zone 10	Zone 11	State HDD
Jul-13	83	79	56	33	35	22	26	22	18	18	14	22
Aug-13	44	116	72	24	24	18	12	30	9	12	8	17
Sep-13	186	267	226	143	164	171	129	150	116	127	108	137
Oct-13	583	665	584	578	566	487	551	553	476	461	410	477
Nov-13	1,013	1,117	1,023	1,091	1,042	913	1,027	981	967	901	835	918
Dec-13	1,742	1,772	1,665	1,791	1,652	1,544	1,665	1,579	1,543	1,466	1,358	1,501
Jan-14	1,885	1,947	1,850	1,971	1,843	1,738	1,831	1,738	1,723	1,657	1,570	1,694
Feb-14	1,599	1,694	1,646	1,722	1,659	1,588	1,651	1,594	1,564	1,470	1,353	1,502
Mar-14	1,432	1,527	1,419	1,435	1,446	1,294	1,284	1,303	1,238	1,148	1,110	1,223
Apr-14	910	916	813	839	754	696	710	701	596	580	624	666
May-14	465	392	339	335	304	269	256	289	250	208	278	271
Jun-14	185	92	65	55	20	31	25	12	10	9	74	44
Total	10,127	10,584	9,758	10,017	9,509	8,771	9,167	8,952	8,510	8,057	7,742	8,472



**FY2005 Monthly Wisconsin Cooling Degree Days**

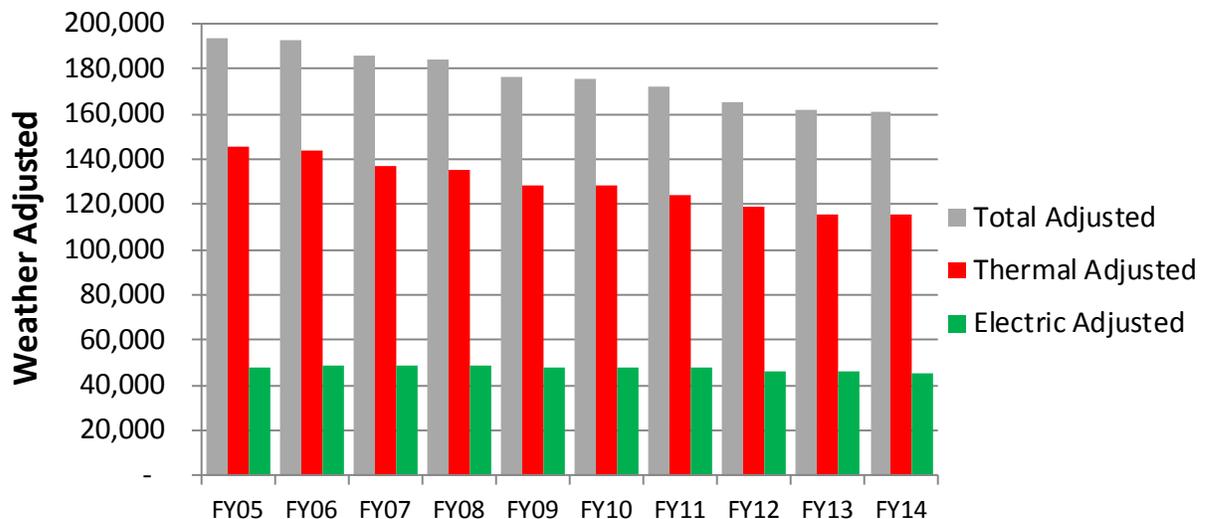
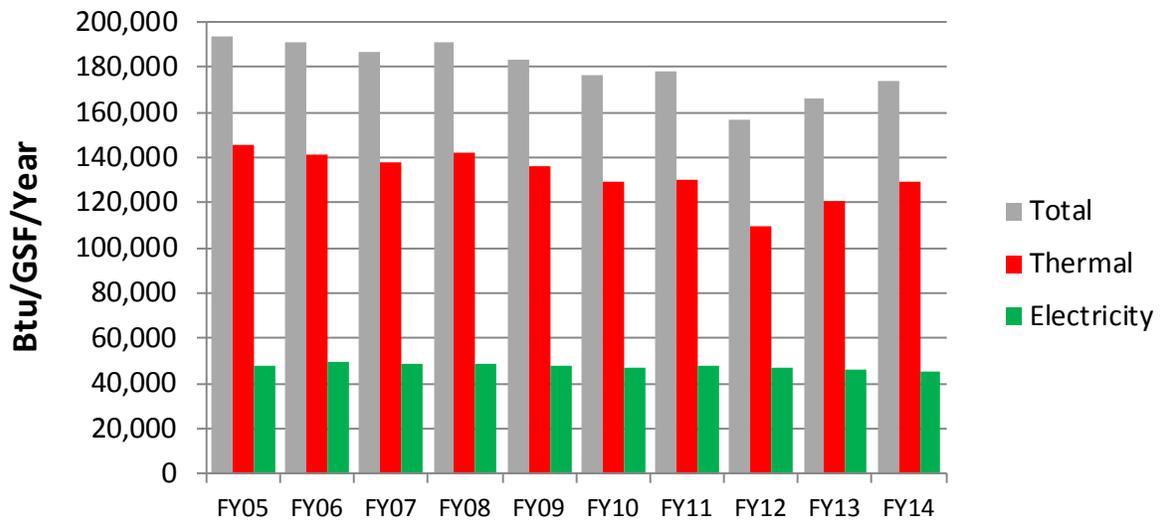
Mo-Year	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9	Zone 10	Zone 11	State CDD
Jul-04	79	97	112	129	123	116	159	138	133	155	151	140
Aug-04	21	30	56	53	46	73	71	68	69	91	105	83
Sep-04	29	60	73	83	64	79	100	88	72	93	93	87
Oct-04	-	-	-	-	-	-	1	-	-	2	2	1
Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
Jan-05	-	-	-	-	-	-	-	-	-	-	-	-
Feb-05	-	-	-	-	-	-	-	-	-	-	-	-
Mar-05	-	-	-	-	-	-	-	-	-	-	-	-
Apr-05	-	-	1	8	-	1	4	4	3	2	4	3
May-05	-	2	3	3	1	3	4	4	4	7	4	4
Jun-05	83	145	181	162	168	203	188	208	204	239	229	211
<b>Total</b>	<b>212</b>	<b>334</b>	<b>426</b>	<b>438</b>	<b>402</b>	<b>475</b>	<b>527</b>	<b>510</b>	<b>485</b>	<b>589</b>	<b>588</b>	<b>529</b>

**FY2014 Monthly Wisconsin Cooling Degree Days**

Mo-Year	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9	Zone 10	Zone 11	State CDD
Jul-13	130	128	171	181	187	196	242	205	217	231	241	220
Aug-13	114	71	110	142	140	137	202	151	185	192	198	174
Sep-13	30	16	38	55	57	55	87	66	103	94	101	82
Oct-13	-	-	1	1	-	2	-	-	8	2	10	5
Nov-13	-	-	-	-	-	-	-	-	-	-	-	-
Dec-13	-	-	-	-	-	-	-	-	-	-	-	-
Jan-14	-	-	-	-	-	-	-	-	-	-	-	-
Feb-14	-	-	-	-	-	-	-	-	-	-	-	-
Mar-14	-	-	-	-	-	-	-	-	-	-	-	-
Apr-14	-	-	-	-	-	-	-	-	-	-	-	-
May-14	17	12	15	29	21	16	35	18	44	51	18	26
Jun-14	33	63	89	92	116	106	134	136	150	182	90	116
<b>Total</b>	<b>324</b>	<b>290</b>	<b>424</b>	<b>500</b>	<b>521</b>	<b>512</b>	<b>700</b>	<b>576</b>	<b>707</b>	<b>752</b>	<b>658</b>	<b>623</b>

## Appendix C - Historical Statewide Consumption Data

Wisconsin State Facilities									
State Facilities Total									
Fiscal Year	GSF	BTU/GSF				Weather-Adjusted Btu/GSF			
		Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted	Electric Adjusted	Total Adjusted	Adjusted % Change From FY05
FY05	68,674,096	145,668	48,133	193,801	0.0%	145,668	48,133	193,801	0.0%
FY06	69,574,059	141,777	49,297	191,074	-1.4%	143,836	49,006	192,842	-0.5%
FY07	70,789,854	137,685	48,798	186,483	-3.8%	137,020	48,873	185,893	-4.1%
FY08	71,910,379	142,639	48,862	191,501	-1.2%	135,178	48,699	183,877	-5.1%
FY09	72,620,055	135,967	47,630	183,598	-5.3%	128,627	47,710	176,338	-9.0%
FY10	72,443,564	129,258	47,270	176,528	-8.9%	128,278	47,400	175,678	-9.4%
FY11	73,352,275	130,359	48,172	178,530	-7.9%	124,061	47,812	171,873	-11.3%
FY12	75,380,666	109,384	47,393	156,777	-19.1%	118,715	46,361	165,076	-14.8%
FY13	76,603,150	120,367	45,857	166,224	-14.2%	115,921	45,770	161,691	-16.6%
FY14	77,770,528	129,022	45,338	174,360	-10.0%	115,777	45,109	160,886	-17.0%



**Major Agency Comparison FY2014 to FY1973\***

Agency	FY1973 GSF	FY1973 Thermal Btu/GSF	FY1973 Electric Btu/GSF	FY1973 Total Btu/GSF
University of Wisconsin System	31,498,261	192,180	42,581	234,761
Department of Administration	1,966,150	225,697	42,447	268,144
Department of Corrections	2,279,108	317,387	16,662	334,049
Department of Health Services	4,475,139	279,061	25,221	304,282
Department of Public Instruction	358,663	177,888	20,858	198,746
Department of Veterans Affairs	535,072	244,085	29,714	273,799
<b>Agencies Total</b>	<b>41,112,393</b>	<b>210,732</b>	<b>38,891</b>	<b>249,623</b>

Agency	FY2014 GSF	FY2014 Thermal Btu/GSF	FY2014 Electric Btu/GSF	FY2014 Total Btu/GSF
University of Wisconsin System	54,819,116	137,248	48,942	186,190
Department of Administration	4,109,971	70,414	49,176	119,590
Department of Corrections	8,269,898	134,651	42,003	176,655
Department of Health Services	4,450,404	154,998	33,053	188,051
Department of Public Instruction	441,183	89,901	21,379	111,281
Department of Veterans Affairs	733,728	147,437	45,185	192,623
<b>Agencies Total</b>	<b>72,824,300</b>	<b>134,082</b>	<b>46,991</b>	<b>181,073</b>

Agency	GSF % Change 2014 from 1973	Thermal % Change 2014 from 1973	Electric % Change 2014 from 1973	Energy % Change 2014 from 1973
University of Wisconsin System	74.04%	-28.58%	14.94%	-20.69%
Department of Administration	109.04%	-68.80%	15.85%	-55.40%
Department of Corrections	262.86%	-57.58%	152.09%	-47.12%
Department of Health Services	-0.55%	-44.46%	31.05%	-38.20%
Department of Public Instruction	23.01%	-49.46%	2.50%	-44.01%
Department of Veterans Affairs	37.13%	-39.60%	52.07%	-29.65%
<b>Agencies Total</b>	<b>77.13%</b>	<b>-36.37%</b>	<b>20.83%</b>	<b>-27.46%</b>

\* FY1973 was start of State of Wisconsin Energy Conservation Program and State Energy Report monitoring.

