



# Energy Use in State Facilities

## Fiscal Year 2011 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 2011  
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 25 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 FY2011 rate of annual energy use in state facilities was 11.3 percent less than FY2005 baseline when adjusted for weather with very significant positive results:

Agency	FY05 Base Btu/GSF/Yr	FY11 Weather Adjusted Btu/GSF/Yr	FY11 % Change from FY05 Base
University of Wisconsin System	210,471	185,190	-12.0%
Department of Administration	157,840	117,716	-25.4%
Department of Corrections	178,066	171,786	-3.5%
Department of Health Services	205,480	188,382	-8.3%
Department of Public Instruction	98,001	91,297	-6.8%
Department of Veterans Affairs	197,411	179,779	-8.9%
Department of Natural Resources	90,938	71,332	-21.6%
Department of Transportation	119,148	114,041	-4.3%
Wisconsin Housing and Economic Development Authority	88,411	79,142	-10.5%
State Fair Park	59,100	24,860	-57.9%
Department of Military Affairs	75,534	68,888	-8.8%
Statewide Totals	193,801	171,873	-11.3%

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 \$184 million in FY2011, 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 FY2011 energy expenditures represented a 23 percent increase over FY2005 that can be attributed to the increase in building area gross square footage by 7 percent from the base year, FY2005. In addition, electrical energy unit costs (\$/kwh) increased 41 percent while FY2011 unit gas costs (\$/MMBtu) were actually 48 percent lower than FY2005. With lower natural gas costs and reduced coal use at UW-Madison and other state facilities, coal use has decreased by 58% 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: 11.3 percent decrease.**

Energy use (BTU/GSF/Yr) for FY11 was 11.3 percent lower than in the base fiscal year, FY05.

**Latest Year Change - Weather Adjusted: 2.2 percent decrease.**

Energy use (BTU/GSF/Yr) for FY11 decreased 2.2 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: 6.8 percent Increase.***

Gross square footage has increased 6.8% from the base fiscal year, FY05.

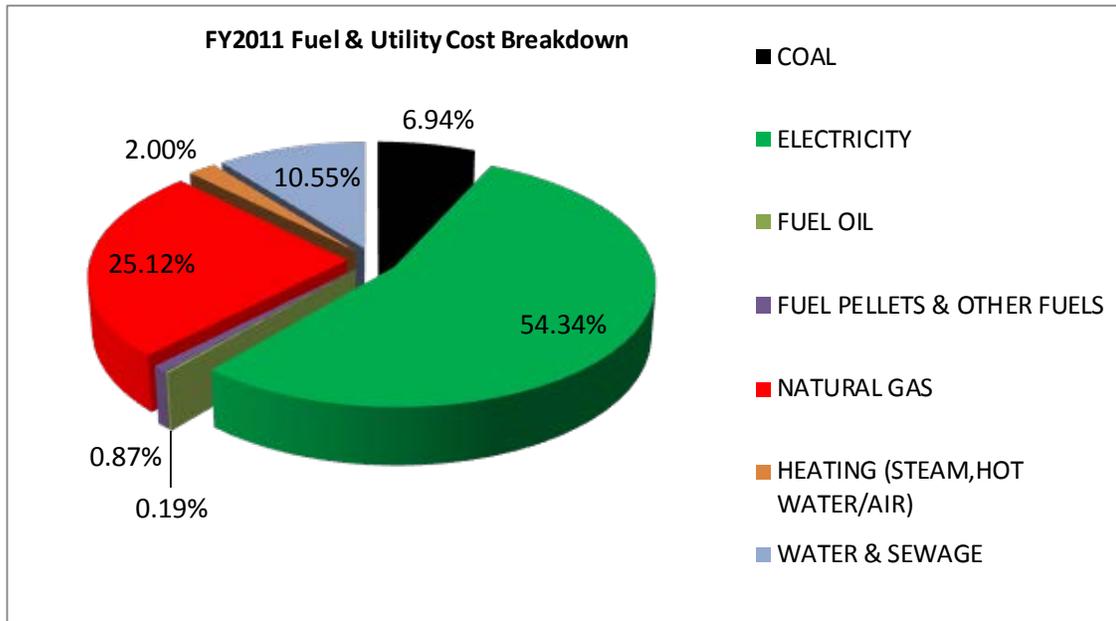
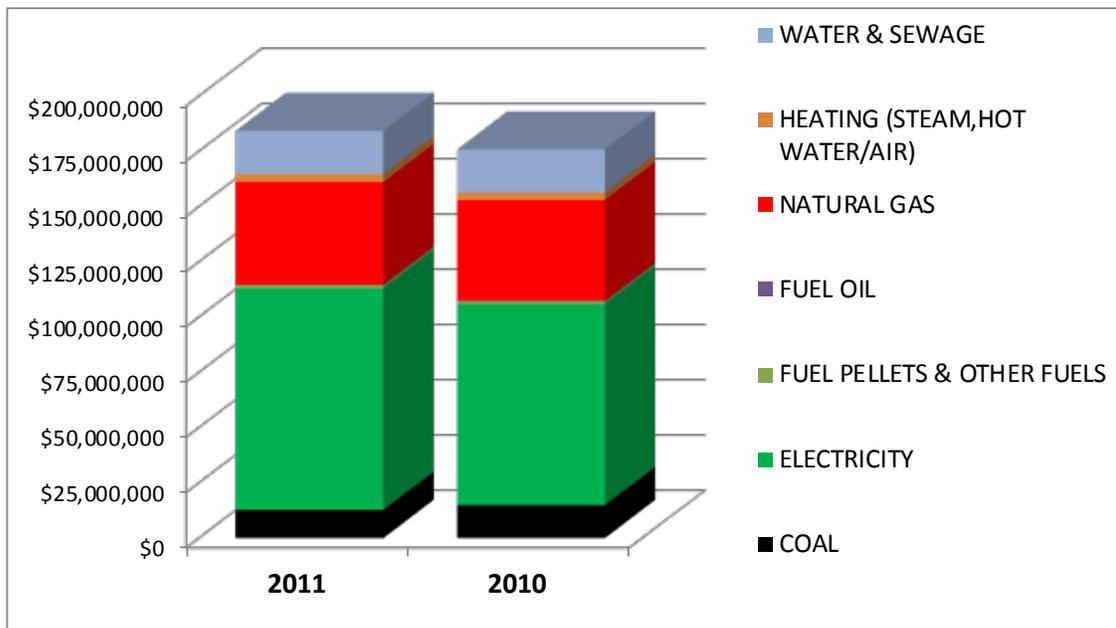
***Consumption Change from Base: 1.6 percent decrease.***

Total consumption was 1.6 percent less when compared to FY05. Total energy (million BTU) purchases in FY11 were 5.3 percent less than in the base year when adjusted for weather compared to FY05.

### Statewide Facilities Energy Expenditures

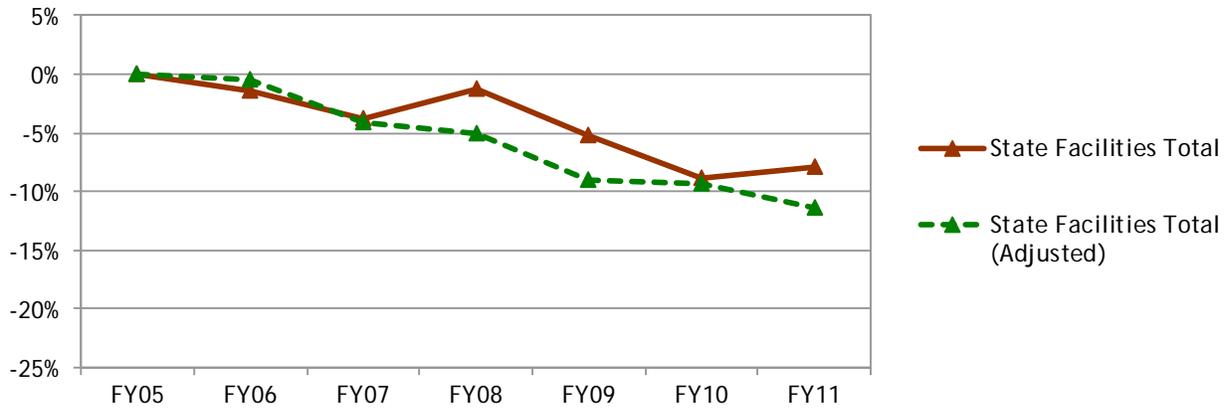
#### Category Name: Fuel and Utilities

Subcategory Code	Subcategory Name	Fiscal Year 2011	Fiscal Year 2010
3600	COAL	\$ 12,778,463	\$ 14,899,753
2500	ELECTRICITY	\$ 100,101,022	\$ 90,893,851
3610	FUEL OIL	\$ 344,677	\$ 407,557
3620	FUEL PELLETS & OTHER FUELS	\$ 1,603,382	\$ 1,370,844
2510	NATURAL GAS	\$ 46,271,702	\$ 45,445,840
2520	HEATING (STEAM,HOT WATER/AIR)	\$ 3,679,168	\$ 3,366,119
2530	COOLING (CHILLED WATER/AIR)	\$ 91,559	\$ 78,740
2540	WATER & SEWAGE	\$ 19,439,679	\$ 19,480,148
<b>Total:</b>		<b>\$ 184,309,652</b>	<b>\$ 175,942,852</b>

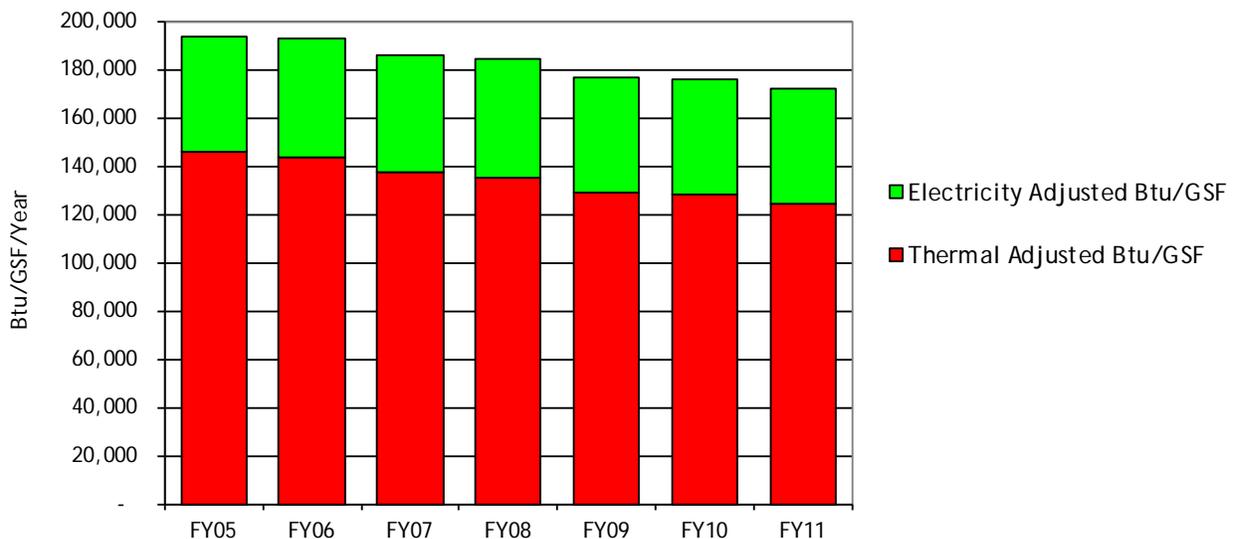


Wisconsin State Facilities State Facilities Total									
Fiscal Year	GSF	BTU/GSF				Weather-Adjusted			
		Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	68,674,096	145,668	48,133	193,801	0.0%	100.0%	100.0%	193,801	0.0%
FY06	69,574,059	141,777	49,297	191,074	-1.4%	101.5%	99.4%	192,842	-0.5%
FY07	70,789,854	137,685	48,798	186,483	-3.8%	99.5%	100.2%	185,893	-4.1%
FY08	71,910,379	142,639	48,862	191,501	-1.2%	94.8%	99.7%	183,877	-5.1%
FY09	72,620,055	135,967	47,630	183,598	-5.3%	94.6%	100.2%	176,338	-9.0%
FY10	72,443,564	129,258	47,270	176,528	-8.9%	99.2%	100.3%	175,678	-9.4%
FY11	73,352,275	130,359	48,172	178,530	-7.9%	95.2%	99.3%	171,873	-11.3%

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: 12 percent decrease.**

Energy use (BTU/GSF/Yr) for FY11 was 12 percent lower than in the base fiscal year, FY05.

**Latest Year Change - Weather Adjusted: 3 percent decrease.**

Energy use (BTU/GSF/Yr) for FY11 decreased 3 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: 8.7 percent Increase.***

Gross square footage has increased 8.7% from the base fiscal year, FY05.

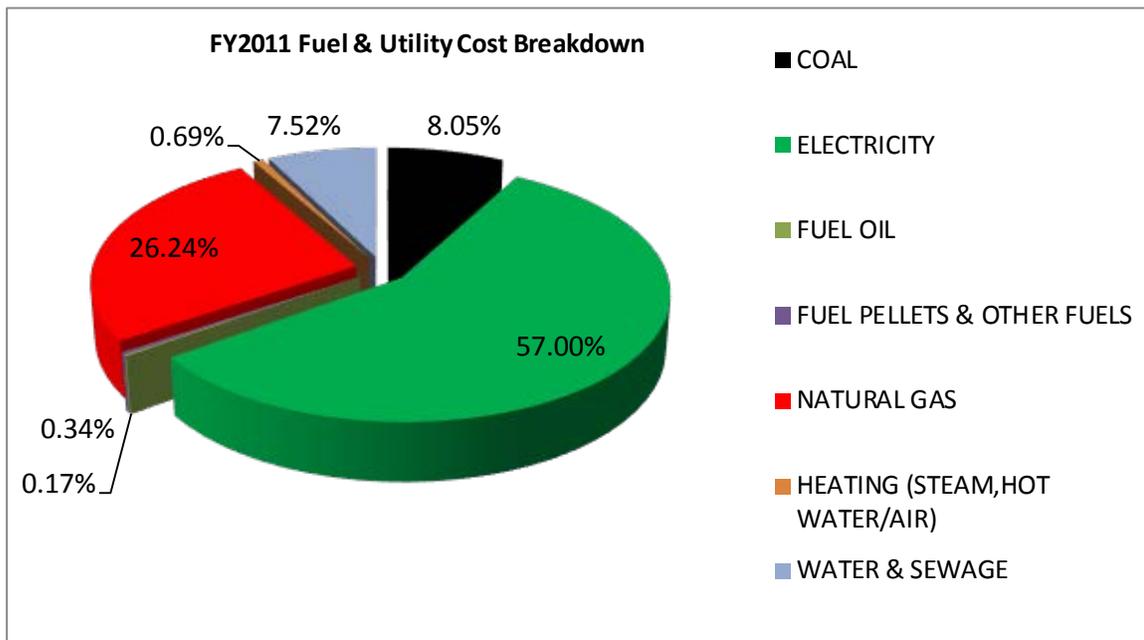
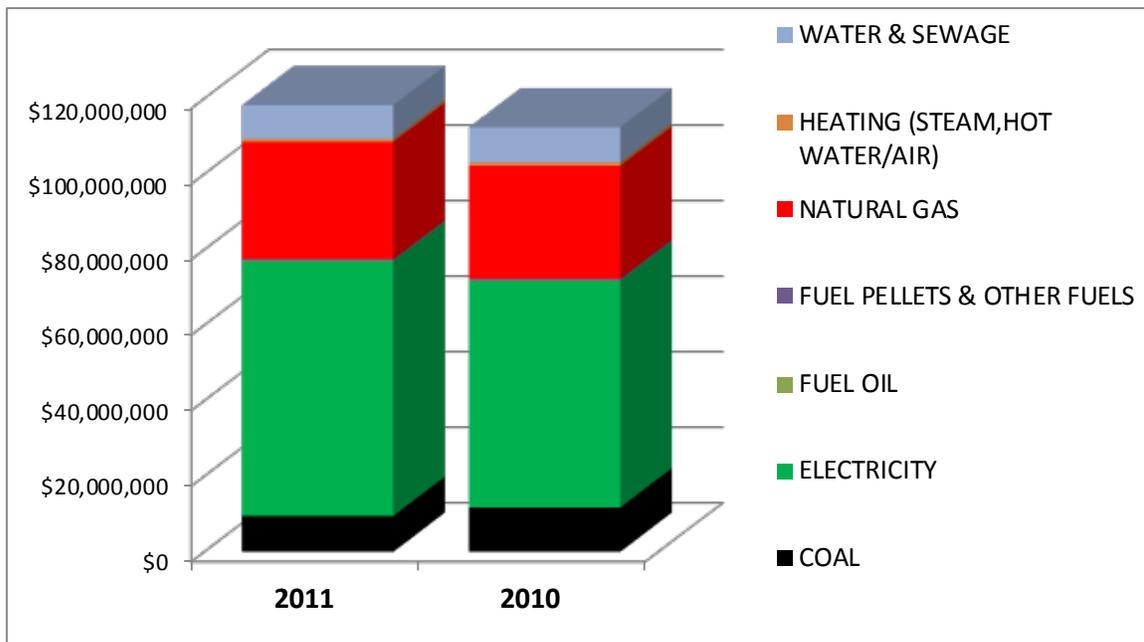
***Consumption Change from Base: 0.5 percent decrease.***

Total consumption was 0.5 percent less when compared to FY05. Total energy (million BTU) purchases in FY11 were 4.4 percent less than in the base year when adjusted for weather compared to FY05.

Agency Name: University of Wisconsin System (285)

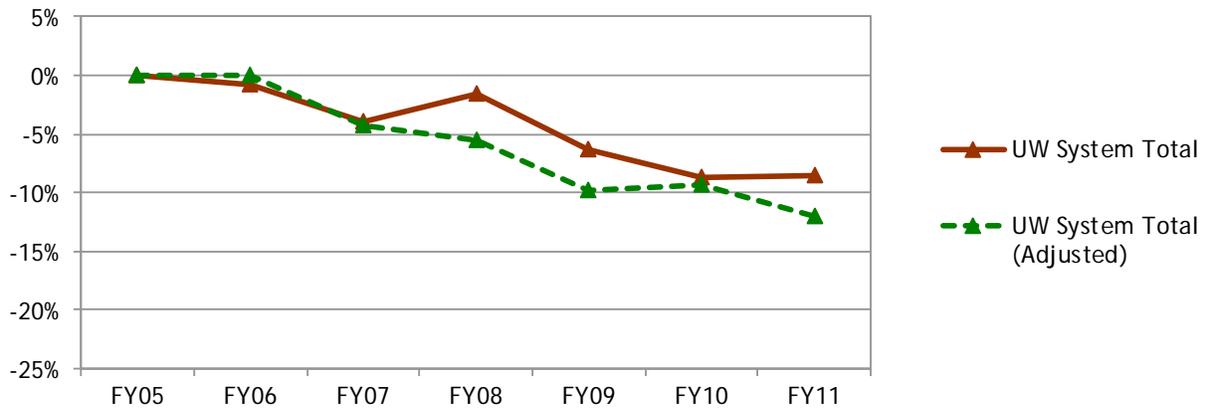
Category Name: Fuel and Utilities

Subcategory Code	Subcategory Name	Fiscal Year 2011	Fiscal Year 2010
3600	COAL	\$ 9,523,744	\$ 11,760,344
2500	ELECTRICITY	\$ 67,420,824	\$ 59,977,450
3610	FUEL OIL	\$ 197,016	\$ 160,994
3620	FUEL PELLETS & OTHER FUELS	\$ 397,794	\$ 469,676
2510	NATURAL GAS	\$ 31,041,963	\$ 29,884,837
2520	HEATING (STEAM,HOT WATER/AIR)	\$ 816,207	\$ 884,102
2540	WATER & SEWAGE	\$ 8,891,963	\$ 9,293,874
<b>Total:</b>		<b>\$ 118,289,509</b>	<b>\$ 112,431,276</b>

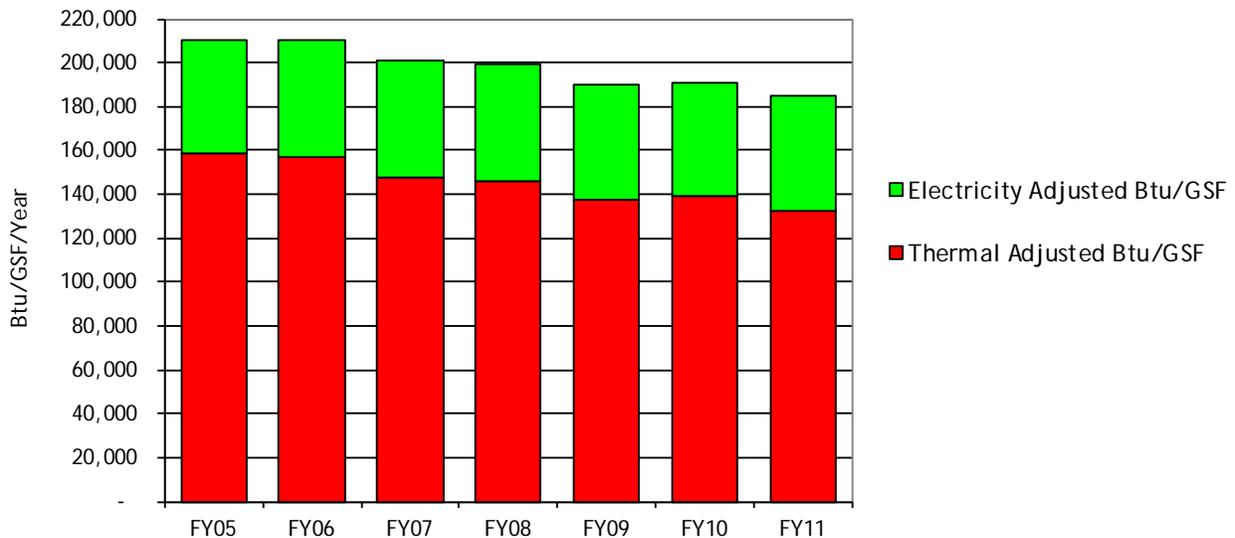


University of Wisconsin System UW - System Total									
Fiscal Year	GSF	BTU/GSF				Weather-Adjusted			
		Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	46,655,255	158,734	51,738	210,471	0.0%	100.0%	100.0%	210,471	0.0%
FY06	47,261,328	155,482	53,483	208,965	-0.7%	101.1%	99.6%	210,395	0.0%
FY07	48,307,694	149,168	53,040	202,207	-3.9%	99.3%	100.4%	201,334	-4.3%
FY08	49,502,098	154,251	52,855	207,106	-1.6%	94.7%	100.0%	198,974	-5.5%
FY09	50,134,229	145,610	51,598	197,207	-6.3%	94.7%	100.5%	189,694	-9.9%
FY10	49,843,245	140,322	51,801	192,124	-8.7%	99.1%	100.2%	190,903	-9.3%
FY11	50,695,697	139,852	52,787	192,639	-8.5%	94.9%	99.4%	185,190	-12.0%

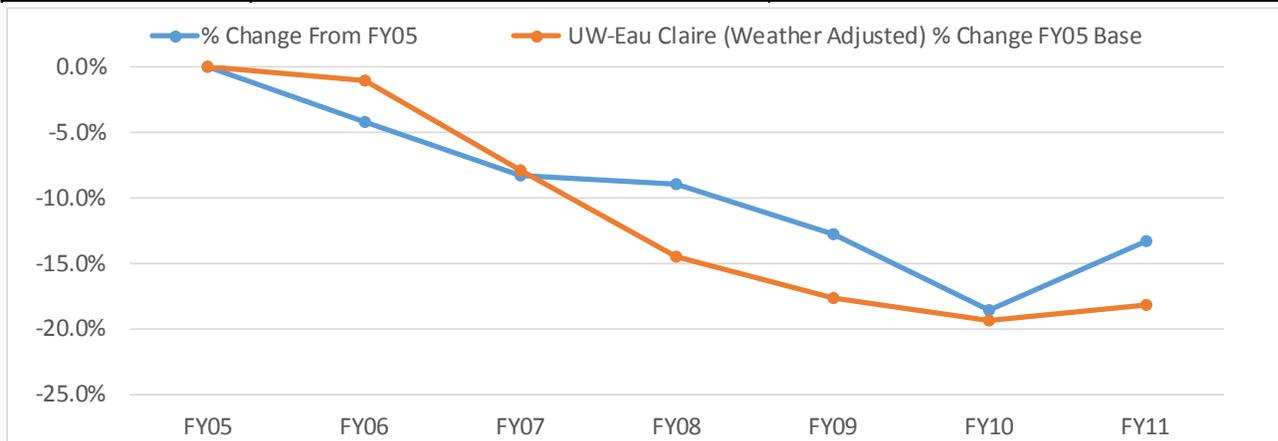
Percent Change from Base (BTU/GSF)



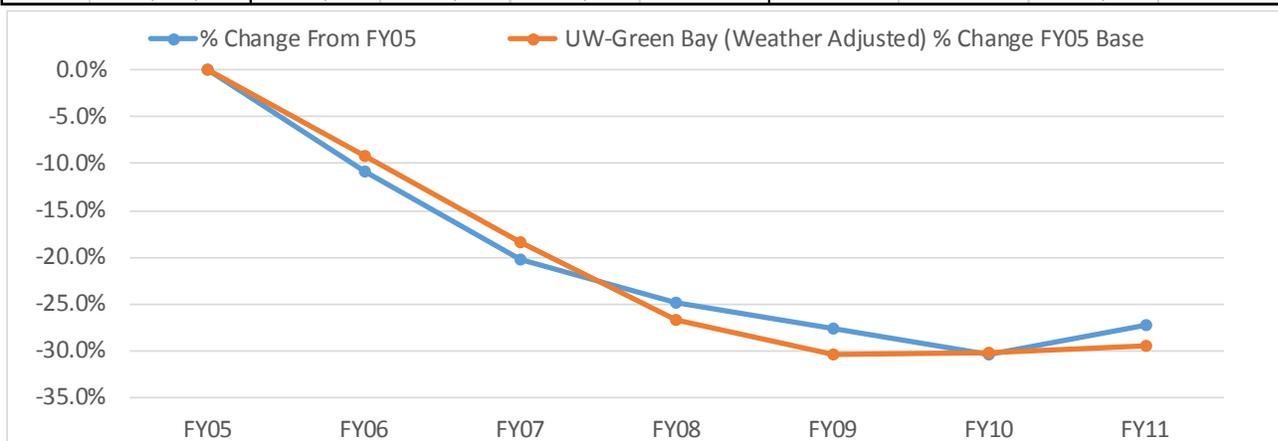
University of Wisconsin System Energy Usage (BTU/GSF)



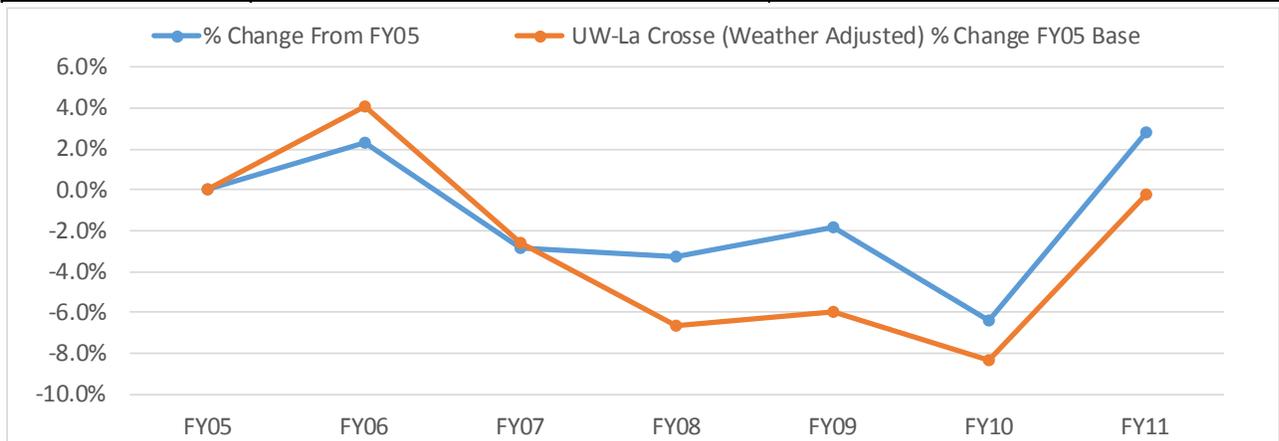
UW-Eau Claire									
UW-Eau Claire		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	2,438,217	108,640	40,508	149,148	0.0%	100.0%	100.0%	149,148	0.0%
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%



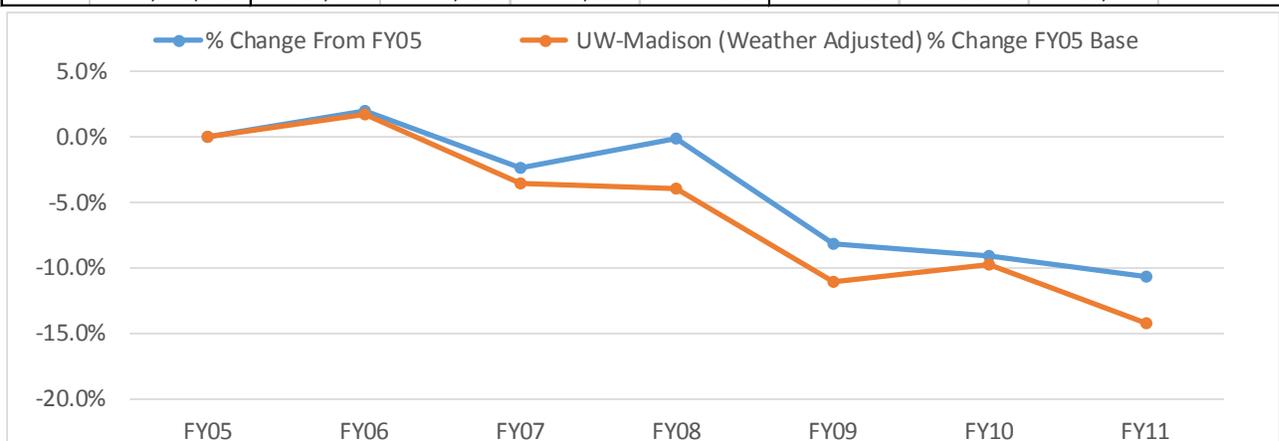
UW-Green Bay									
UW-Green Bay		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	1,157,746	120,311	54,211	174,522	0.0%	100.0%	100.0%	174,522	0.0%
FY06	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%



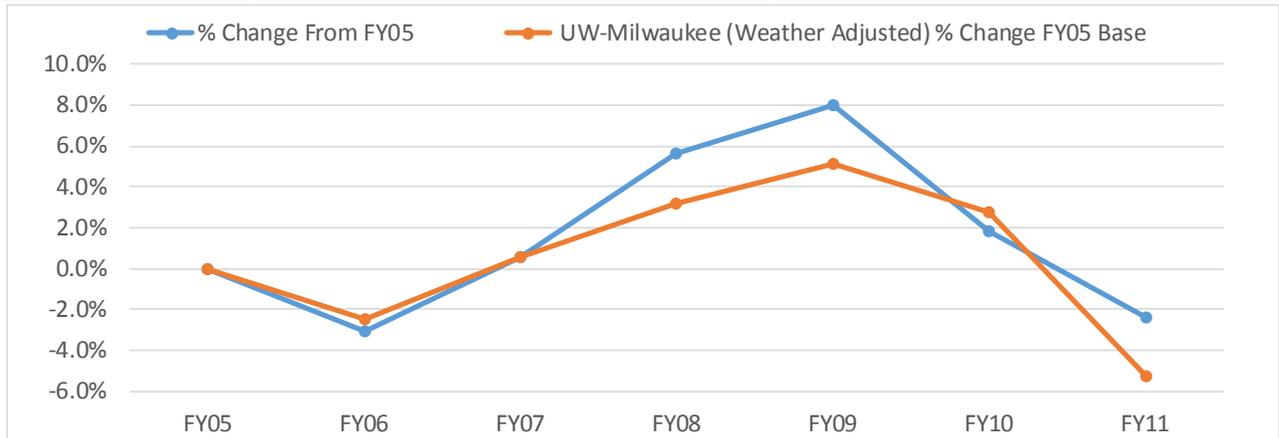
UW-La Crosse									
UW-La Crosse		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	2,260,874	111,932	38,509	150,442	0.0%	100.0%	100.0%	150,442	0.0%
FY06	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%



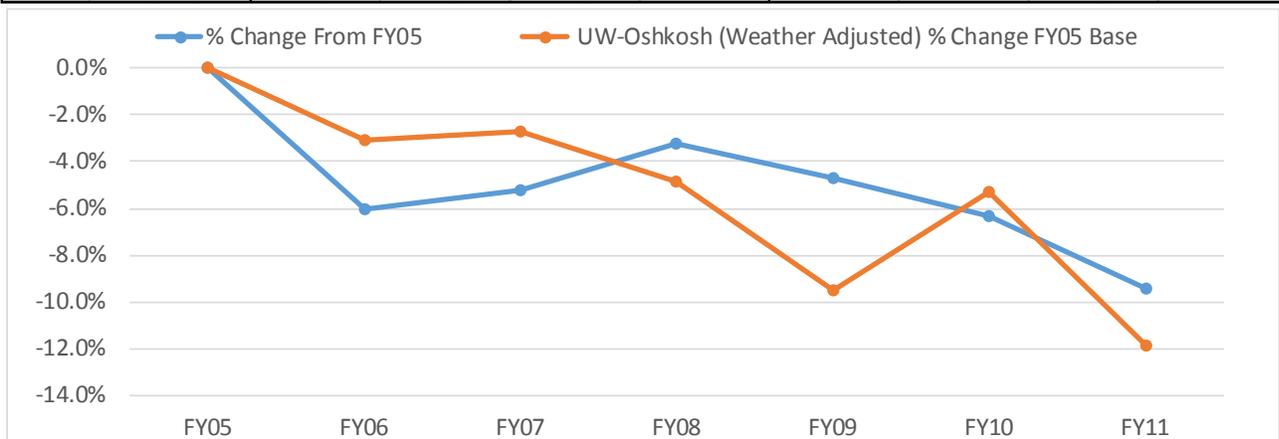
UW-Madison									
UW-Madison		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	19,207,711	234,605	69,296	303,901	0.0%	100.0%	100.0%	303,901	0.0%
FY06	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%



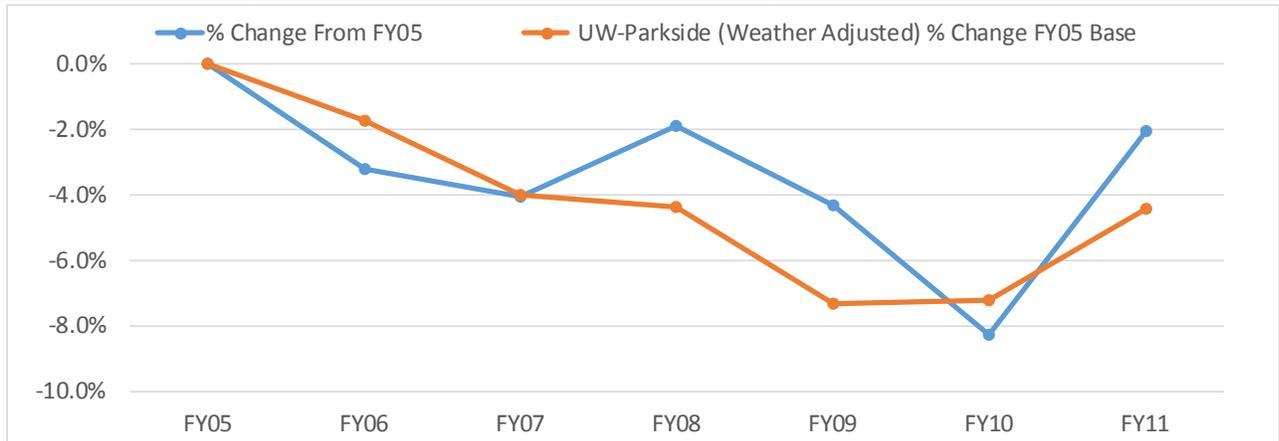
UW-Milwaukee									
UW-Milwaukee		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	4,190,131	120,968	50,959	171,927	0.0%	100.0%	100.0%	171,927	0.0%
FY06	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%



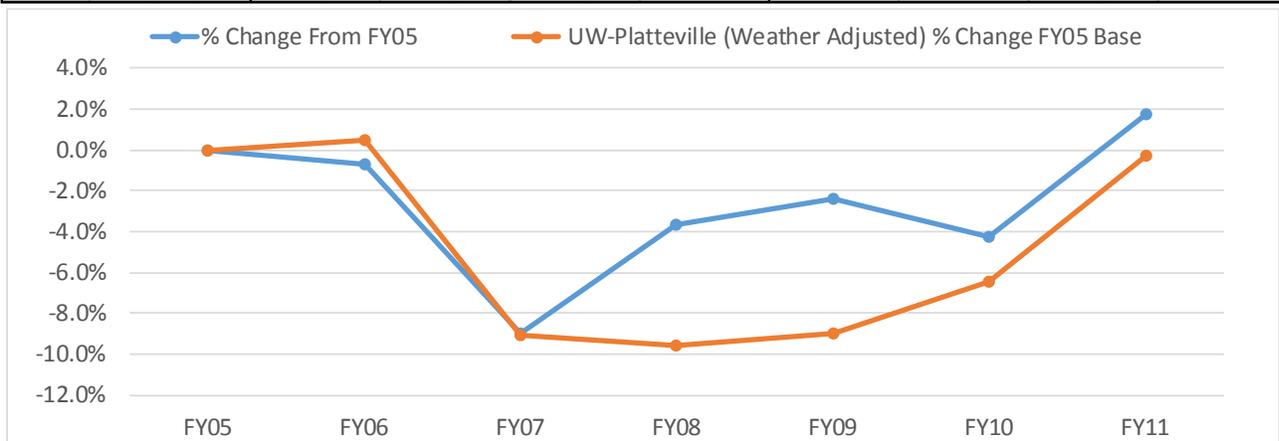
UW-Oshkosh									
UW-Oshkosh		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	2,674,233	97,371	39,080	136,452	0.0%	100.0%	100.0%	136,452	0.0%
FY06	2,746,643	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%



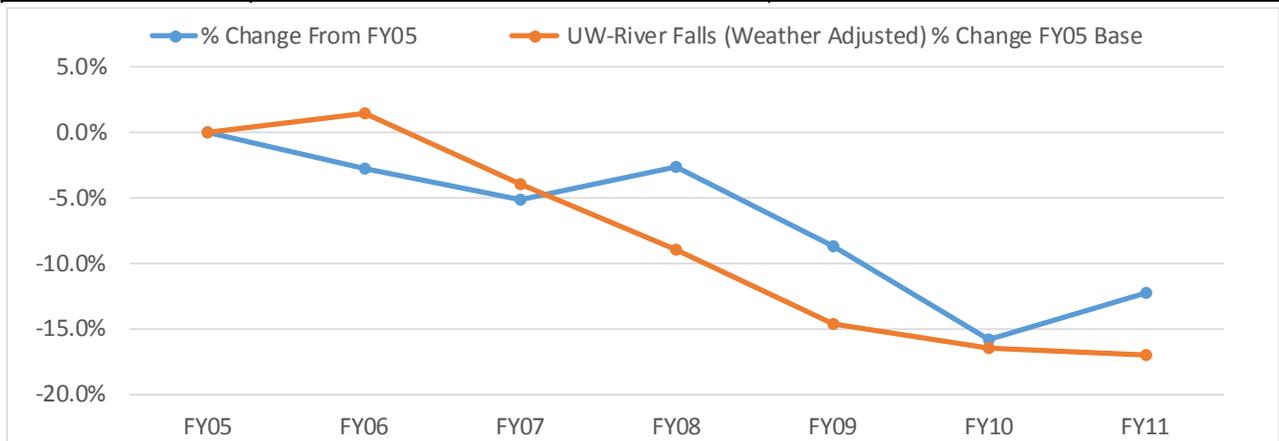
UW-Parkside									
UW-Parkside		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	1,132,766	97,238	48,885	146,123	0.0%	100.0%	100.0%	146,123	0.0%
FY06	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%



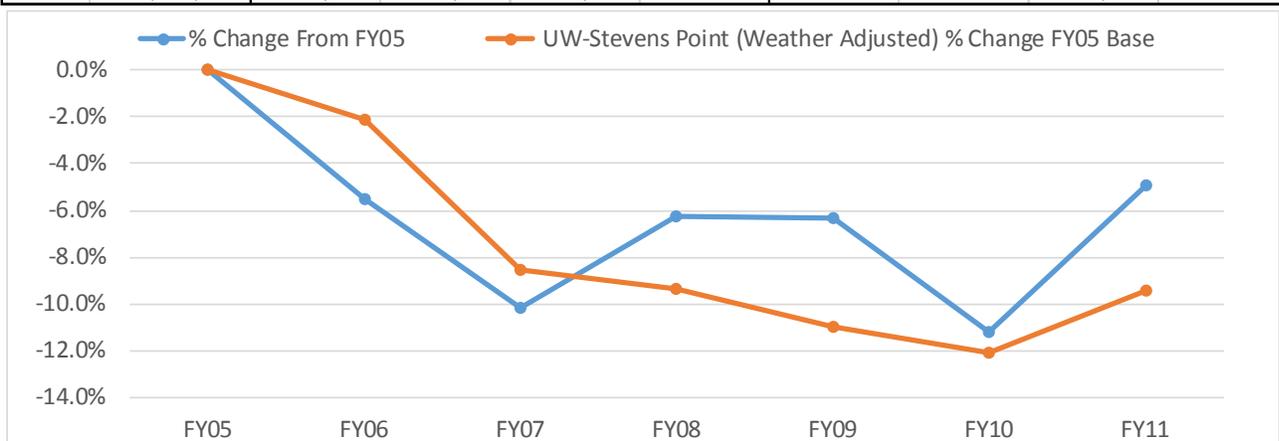
UW-Platteville									
UW-Platteville		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	1,767,380	103,200	36,016	139,216	0.0%	100.0%	100.0%	139,216	0.0%
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%



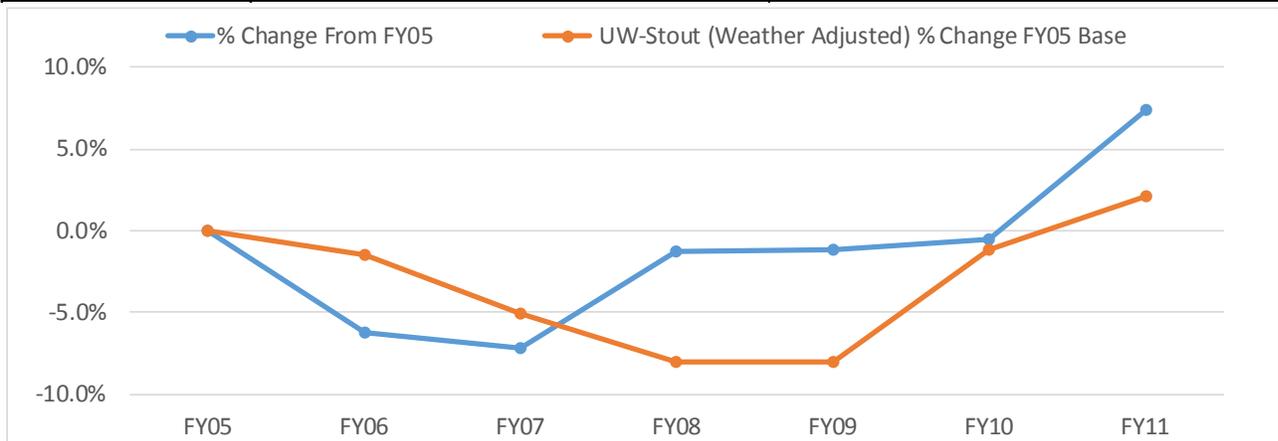
UW-River Falls									
UW-River Falls		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	1,493,198	92,456	32,102	124,558	0.0%	100.0%	100.0%	124,558	0.0%
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%



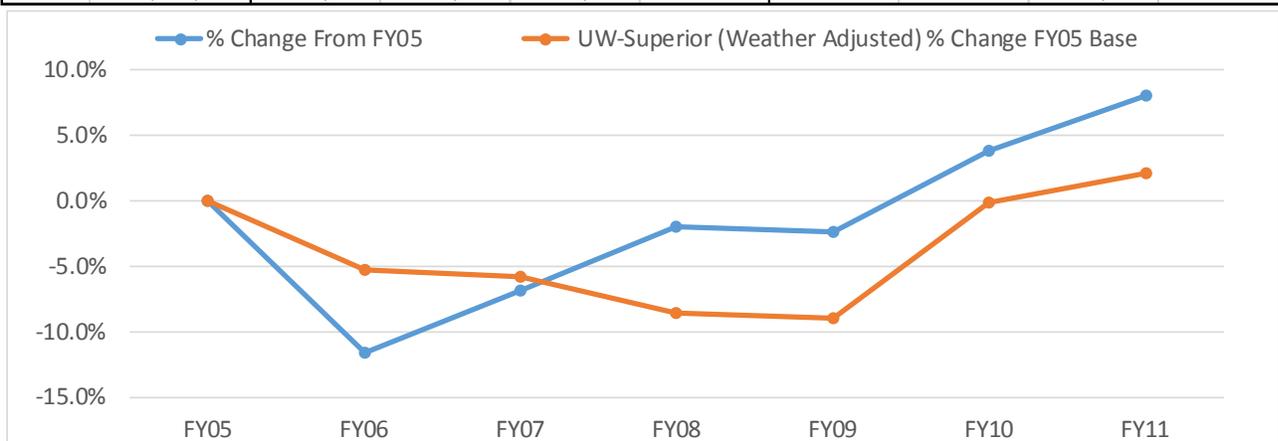
UW-Stevens Point									
UW-Stevens Point		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	2,335,965	128,082	36,054	164,136	0.0%	100.0%	100.0%	164,136	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%



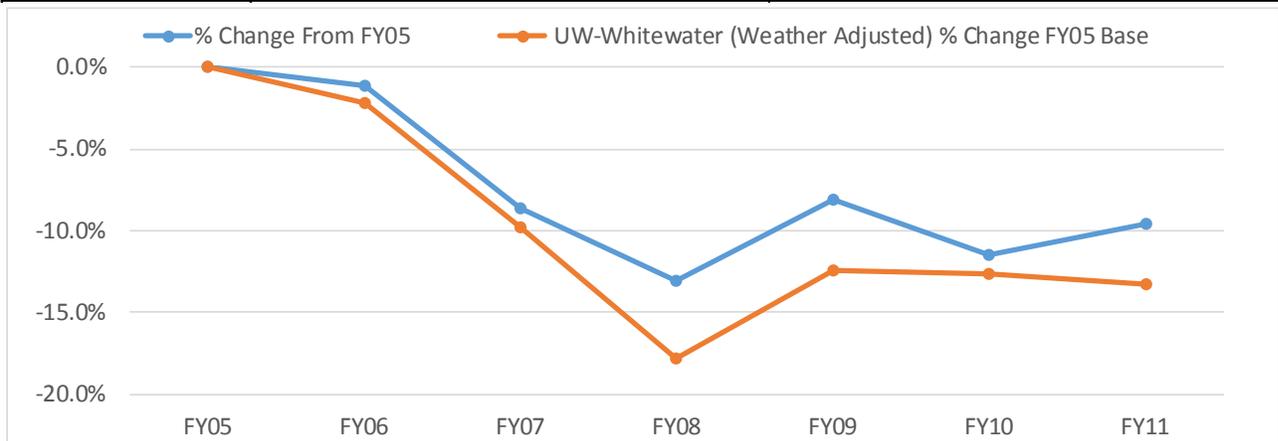
UW-Stout									
UW-Stout		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	2,162,886	80,464	32,598	113,062	0.0%	100.0%	100.0%	113,062	0.0%
FY06	2,307,775	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%



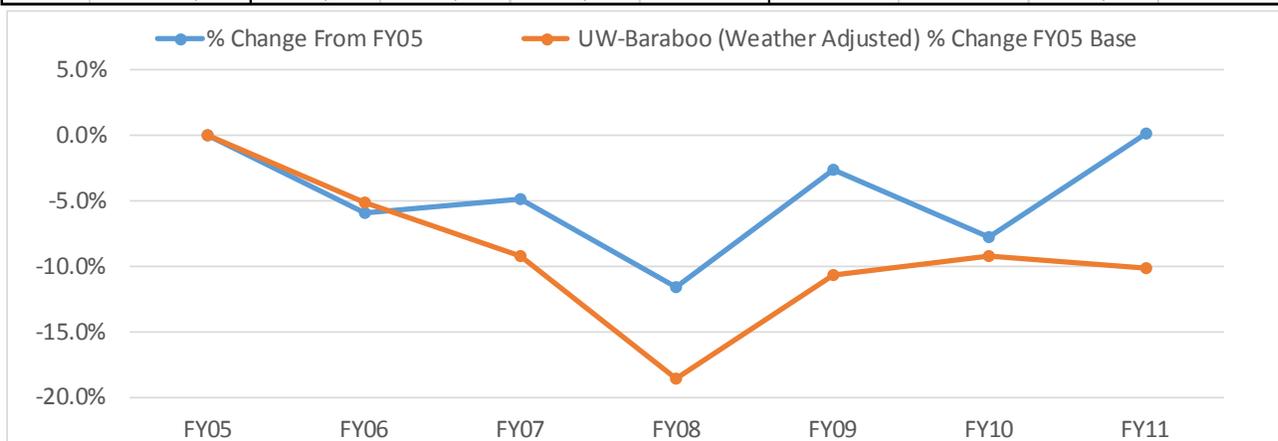
UW-Superior									
UW-Superior		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	1,076,728	131,188	30,821	162,010	0.0%	100.0%	100.0%	162,010	0.0%
FY06	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%



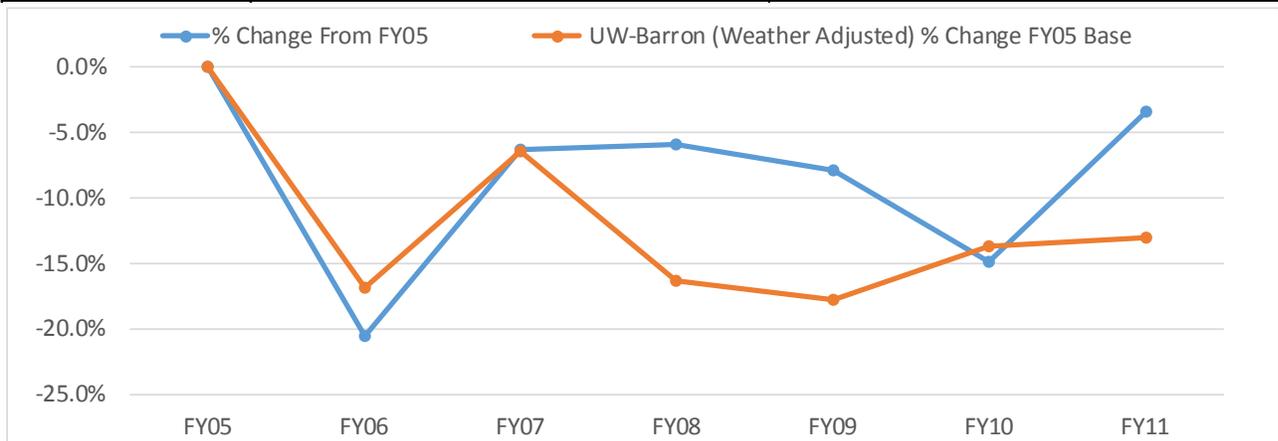
UW-Whitewater									
UW-Whitewater		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	2,558,663	110,212	35,656	145,867	0.0%	100.0%	100.0%	145,867	0.0%
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%



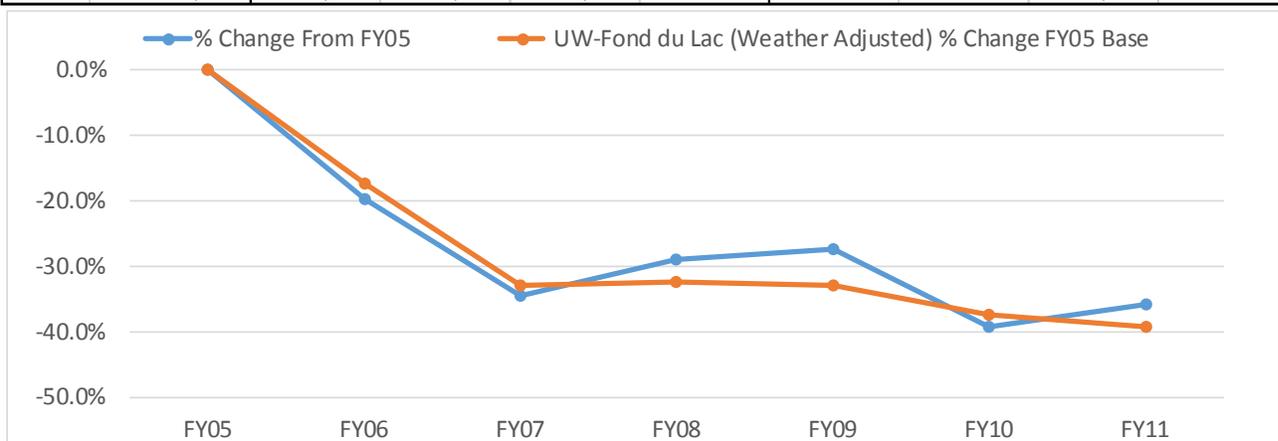
UW-Baraboo									
UW-Baraboo		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	150,015	60,075	28,748	88,823	0.0%	100.0%	100.0%	88,823	0.0%
FY06	150,015	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%



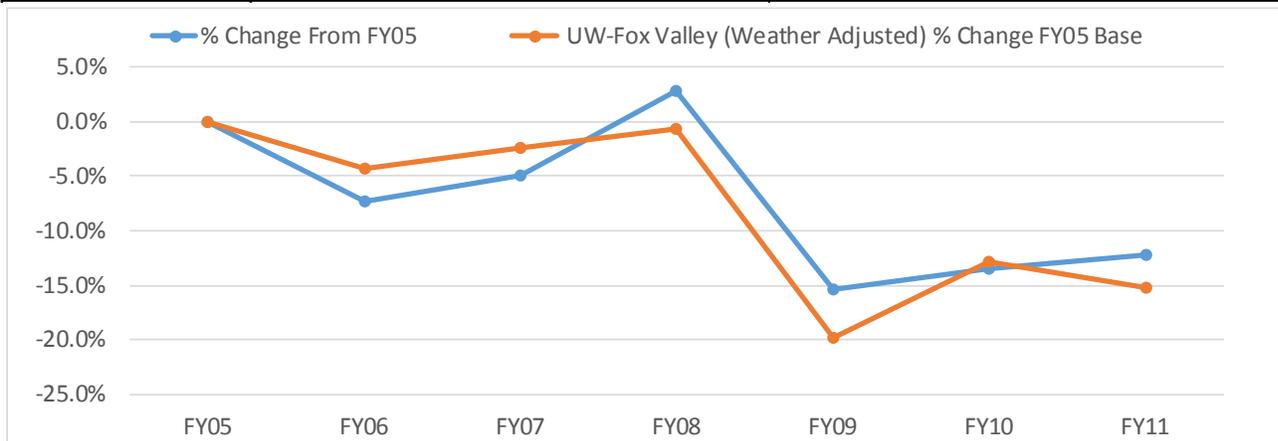
UW-Barron									
UW-Barron		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	146,683	68,961	24,959	93,920	0.0%	100.0%	100.0%	93,920	0.0%
FY06	146,683	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%



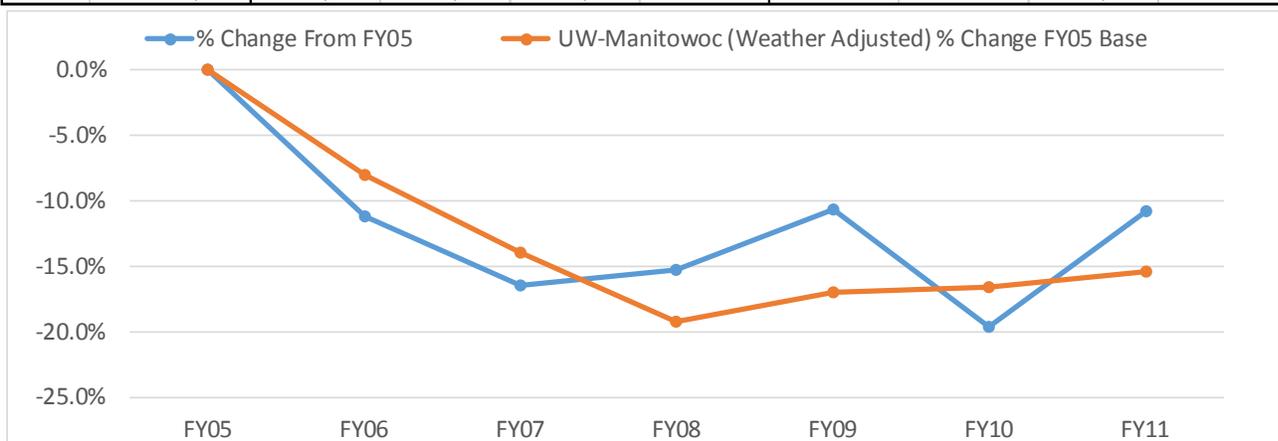
UW-Fond du Lac									
UW-Fond du Lac		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	194,077	57,697	36,356	94,053	0.0%	100.0%	100.0%	94,053	0.0%
FY06	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%



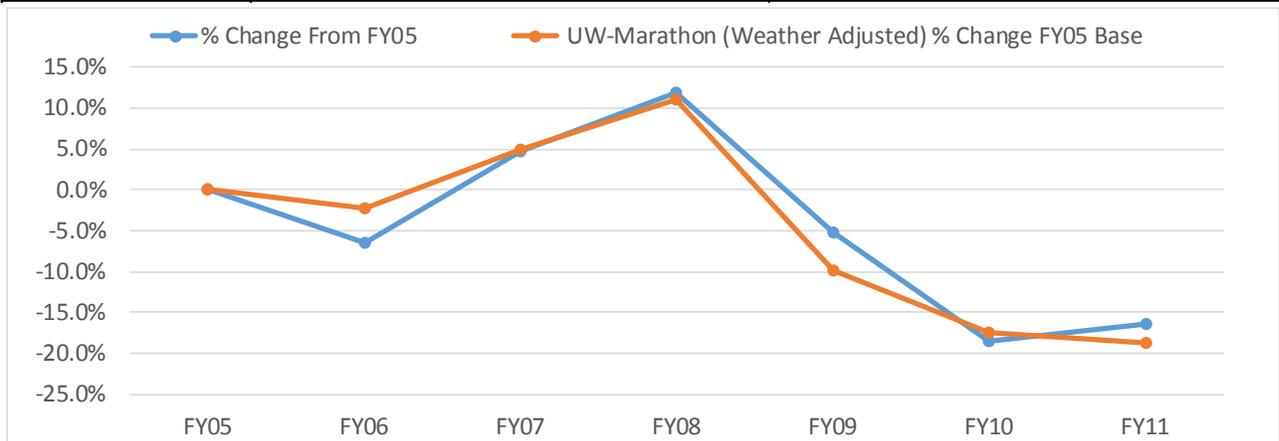
UW-Fox Valley									
UW-Fox Valley		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	203,270	80,764	33,160	113,923	0.0%	100.0%	100.0%	113,923	0.0%
FY06	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%



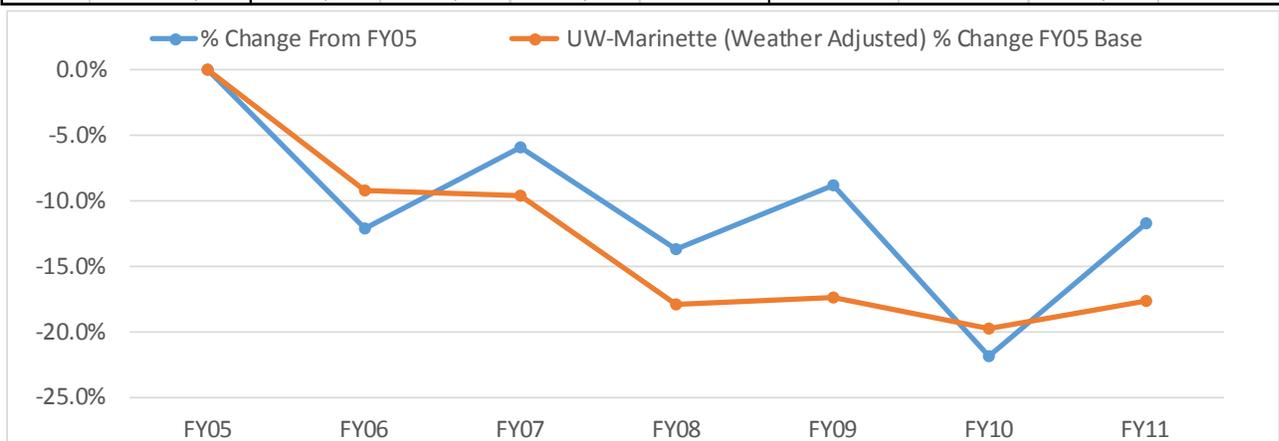
UW-Manitowoc									
UW-Manitowoc		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	125,045	48,682	26,306	74,988	0.0%	100.0%	100.0%	74,988	0.0%
FY06	125,045	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%



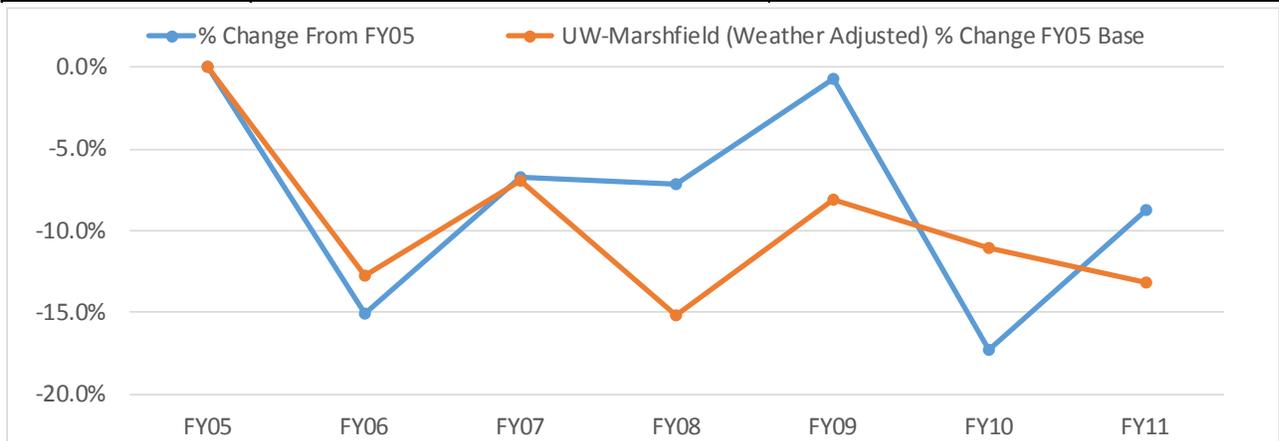
UW-Marathon									
UW-Marathon		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	286,421	83,471	36,007	119,478	0.0%	100.0%	100.0%	119,478	0.0%
FY06	286,421	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%



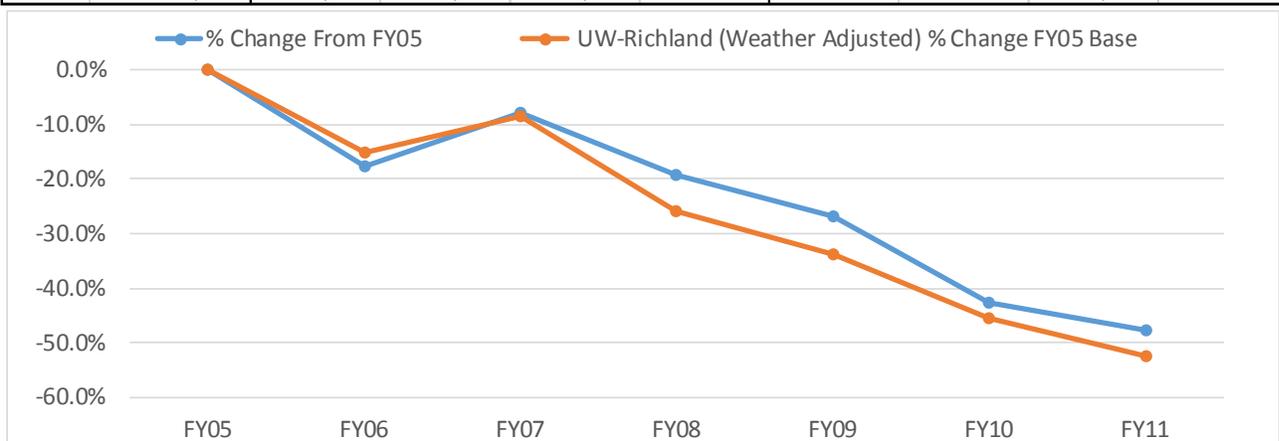
UW-Marinette									
UW-Marinette		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	103,778	97,916	33,580	131,496	0.0%	100.0%	100.0%	131,496	0.0%
FY06	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%



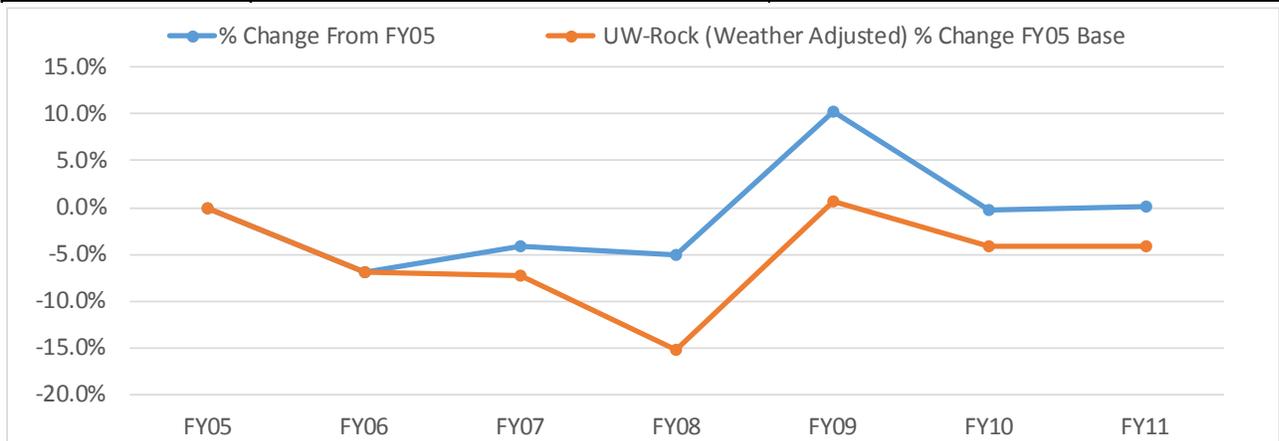
UW-Marshfield									
UW-Marshfield		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	145,016	74,182	30,918	105,100	0.0%	100.0%	100.0%	105,100	0.0%
FY06	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%



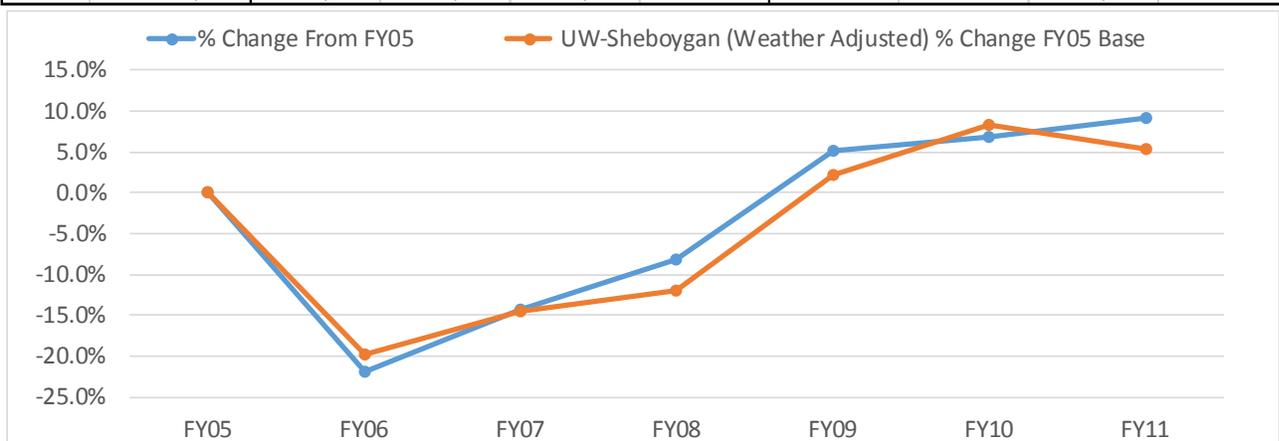
UW-Richland									
UW-Richland		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	95,461	84,023	32,229	116,252	0.0%	100.0%	100.0%	116,252	0.0%
FY06	95,461	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%



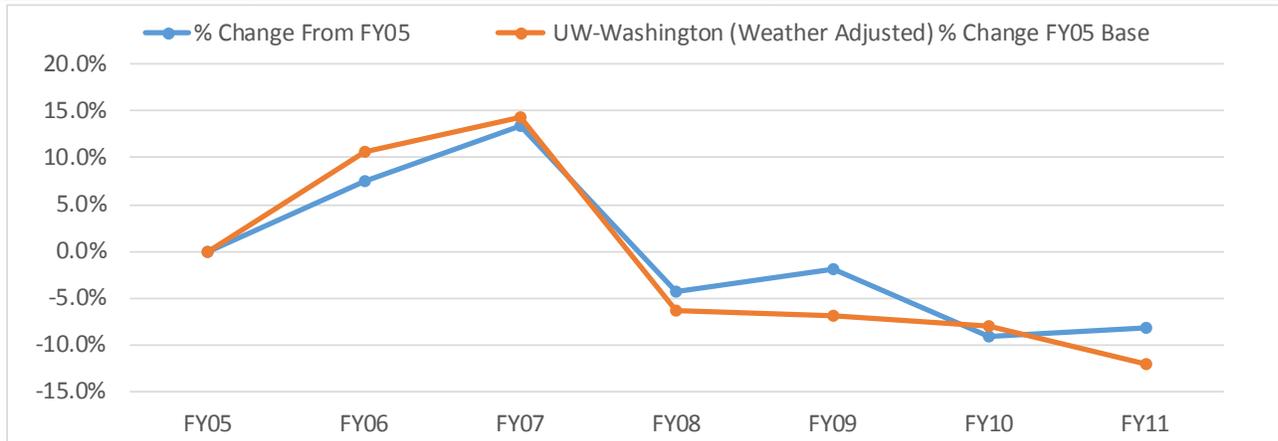
UW-Rock									
UW-Rock		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	145,560	48,489	24,956	73,445	0.0%	100.0%	100.0%	73,445	0.0%
FY06	145,560	43,901	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%



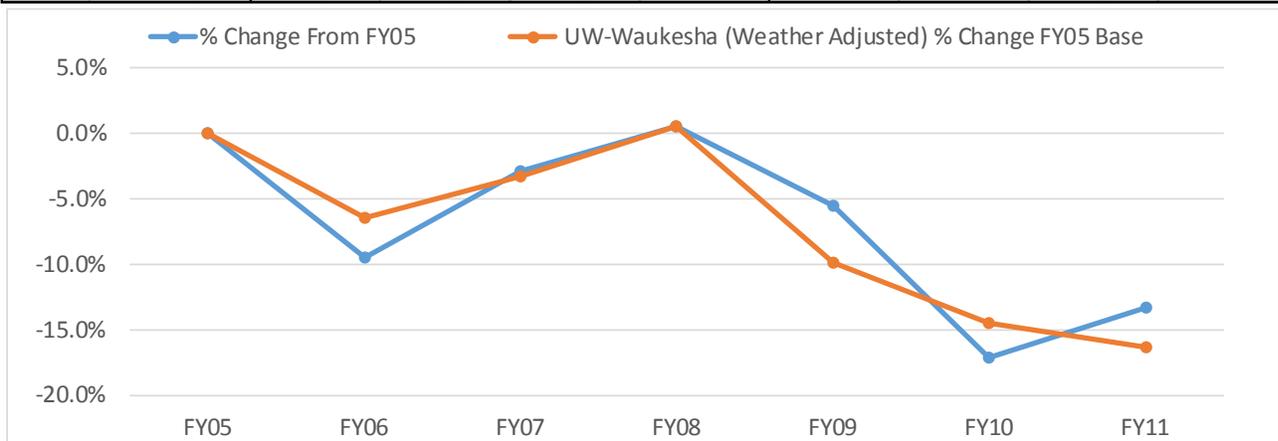
UW-Sheboygan									
UW-Sheboygan		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	170,927	72,172	30,582	102,754	0.0%	100.0%	100.0%	102,754	0.0%
FY06	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%



UW-Washington									
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%



UW-Waukesha									
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%



# 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: 25.4 percent decrease.**

Energy use (BTU/GSF/Yr) for FY11 was 25.4 percent lower than in the base fiscal year, FY05.

**Latest Year Change - Weather Adjusted: 6.46 percent decrease.**

Energy use (BTU/GSF/Yr) for FY11 decreased 6.46 percent from the previous fiscal year.

**Average Annual Change - Weather Adjusted: 4.2 percent decrease per year.**

On average, energy use (BTU/GSF/Yr) has decreased 4.2 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.

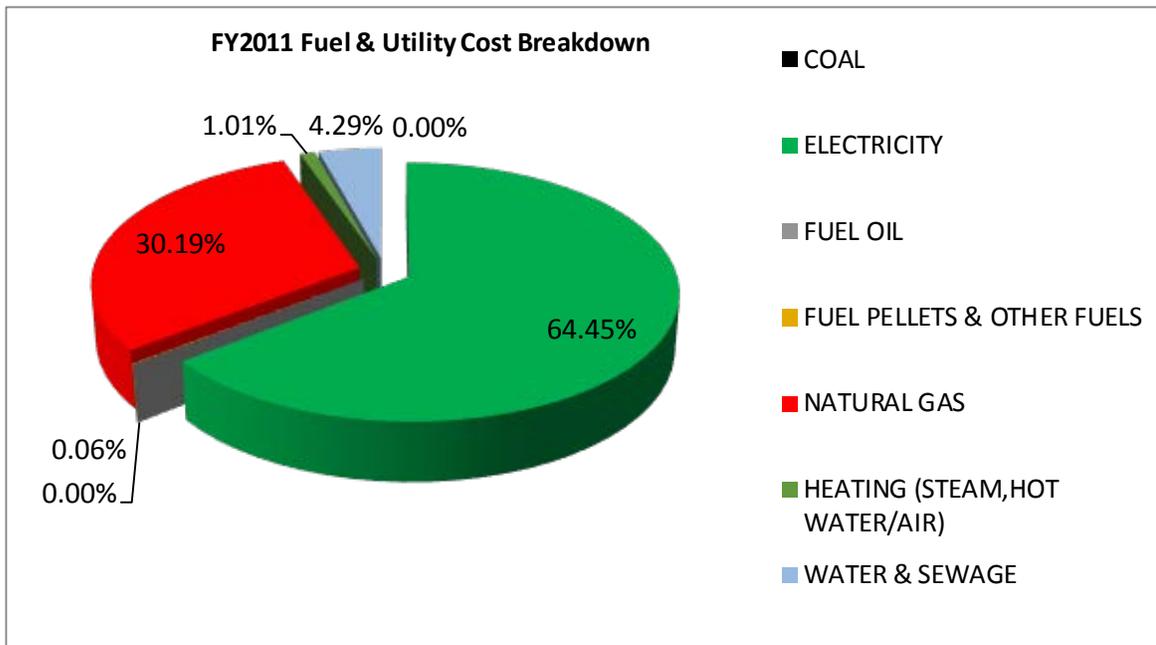
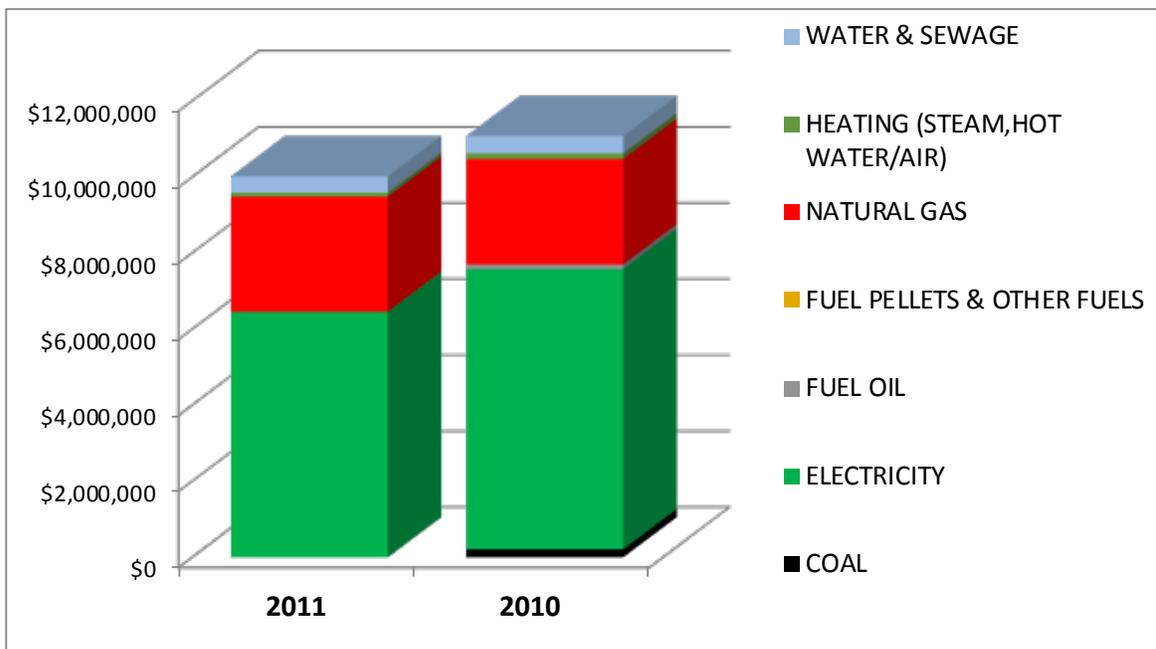
**Consumption Change from Base: 21.5 percent decrease.**

Total consumption was 21.5 percent less when compared to FY05. Total energy (million BTU) purchases in FY11 were 25.4 percent less than in the base year when adjusted for weather compared to FY05.

Agency Name: Administration, Department of (505)

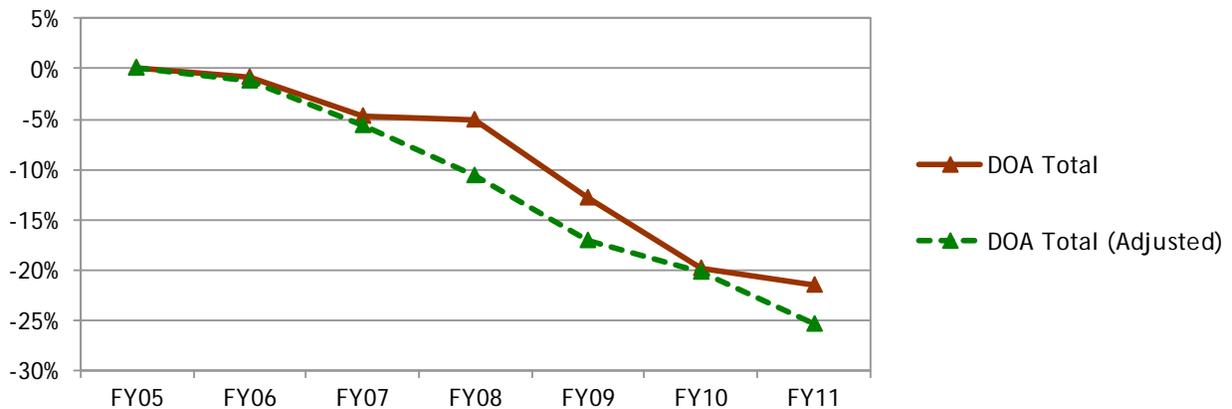
Category Name: Fuel and Utilities

Subcategory Code	Subcategory Name	Fiscal Year 2011	Fiscal Year 2010
3600	COAL	\$ -	\$ 217,929
2500	ELECTRICITY	\$ 6,460,007	\$ 7,365,943
3610	FUEL OIL	\$ -	\$ 123,846
3620	FUEL PELLETS & OTHER FUELS	\$ 5,533	\$ 4,692
2510	NATURAL GAS	\$ 3,025,950	\$ 2,769,200
2520	HEATING (STEAM,HOT WATER/AIR)	\$ 101,688	\$ 148,991
2540	WATER & SEWAGE	\$ 430,113	\$ 452,921
<b>Total:</b>		<b>\$ 10,023,290</b>	<b>\$ 11,083,523</b>

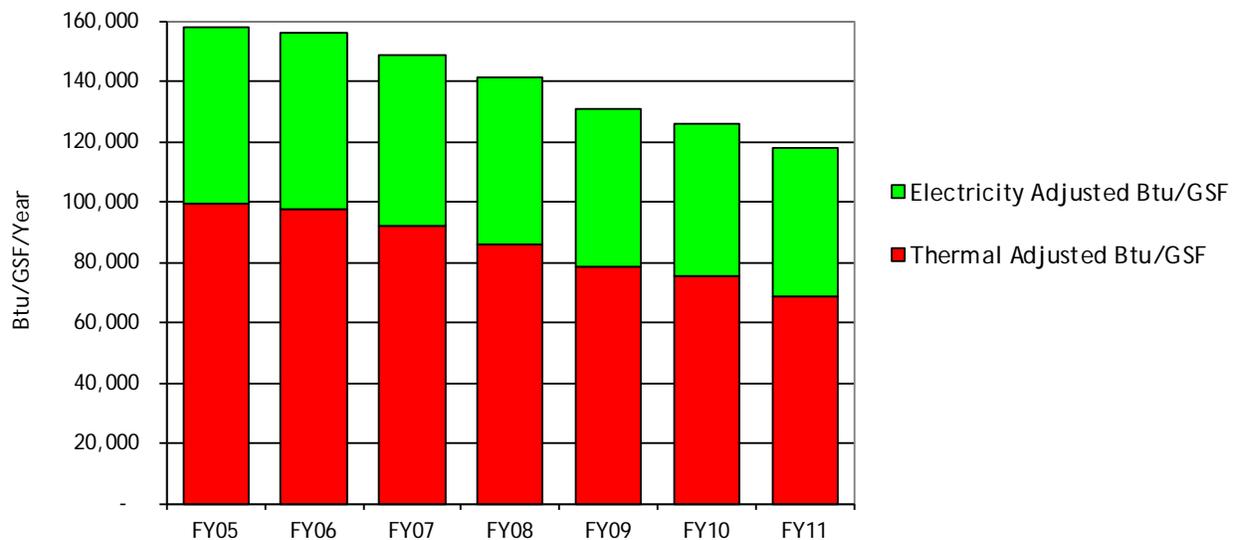


Department of Administration DOA Total									
Fiscal Year	GSF	BTU/GSF				Weather-Adjusted			
		Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	4,027,132	99,221	58,619	157,840	0.0%	100.0%	100.0%	157,840	0.0%
FY06	4,027,132	97,337	59,097	156,433	-0.9%	100.1%	99.2%	156,004	-1.2%
FY07	4,027,132	93,316	57,035	150,351	-4.7%	98.6%	99.7%	148,909	-5.7%
FY08	4,027,132	94,217	55,669	149,886	-5.0%	91.3%	98.9%	141,081	-10.6%
FY09	4,027,132	84,926	52,508	137,433	-12.9%	92.6%	99.2%	130,764	-17.2%
FY10	4,027,132	76,500	50,105	126,604	-19.8%	98.8%	100.4%	125,839	-20.3%
FY11	4,027,132	74,298	49,641	123,939	-21.5%	92.5%	98.7%	117,716	-25.4%

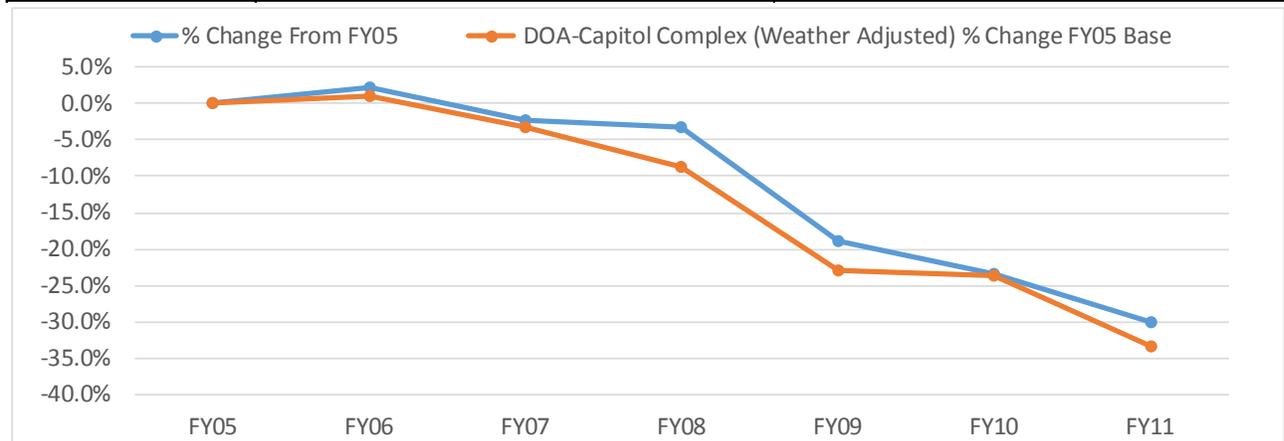
Percent Change from Base (BTU/GSF)



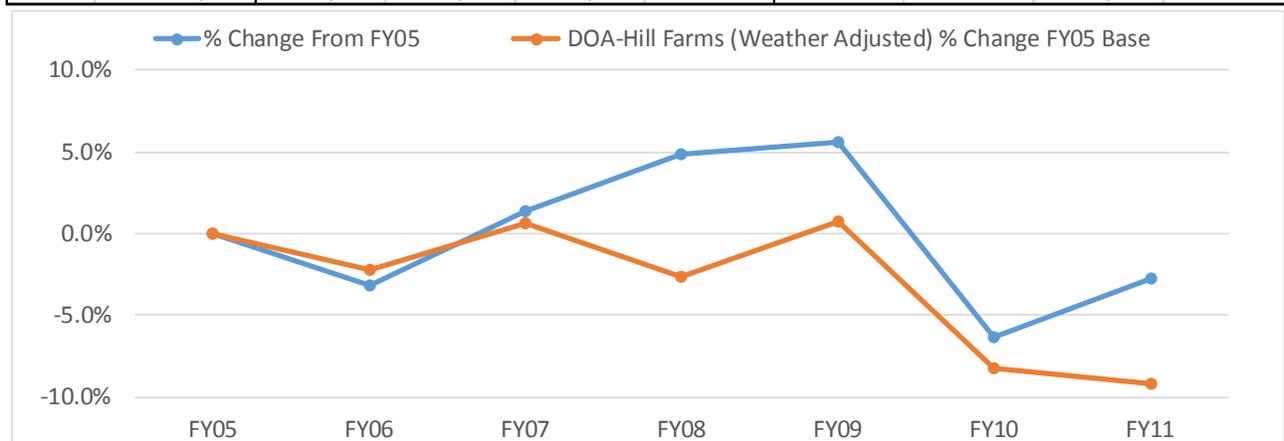
Department of Administration Energy Usage (BTU/GSF)



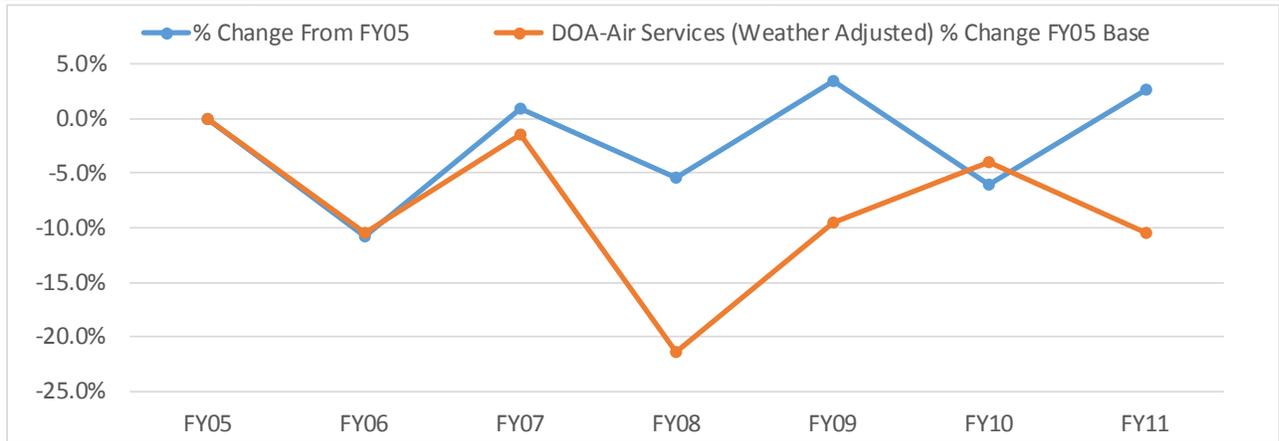
DOA-Capitol Complex									
DOA-Capitol Complex		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	2,013,307	112,981	56,846	169,826	0.0%	100.0%	100.0%	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%



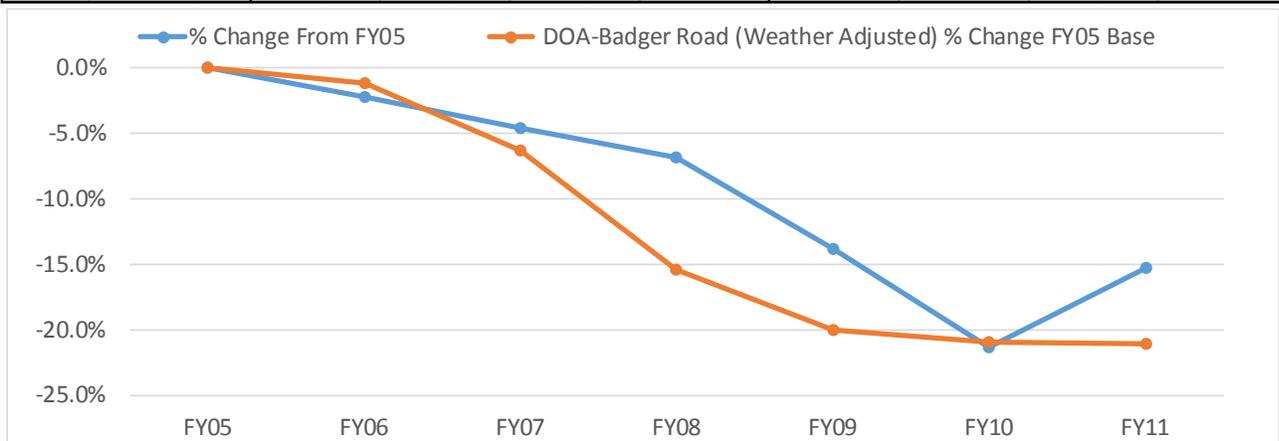
DOA-Hill Farms									
DOA-Hill Farms		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	644,904	119,925	65,950	185,875	0.0%	100.0%	100.0%	185,875	0.0%
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%



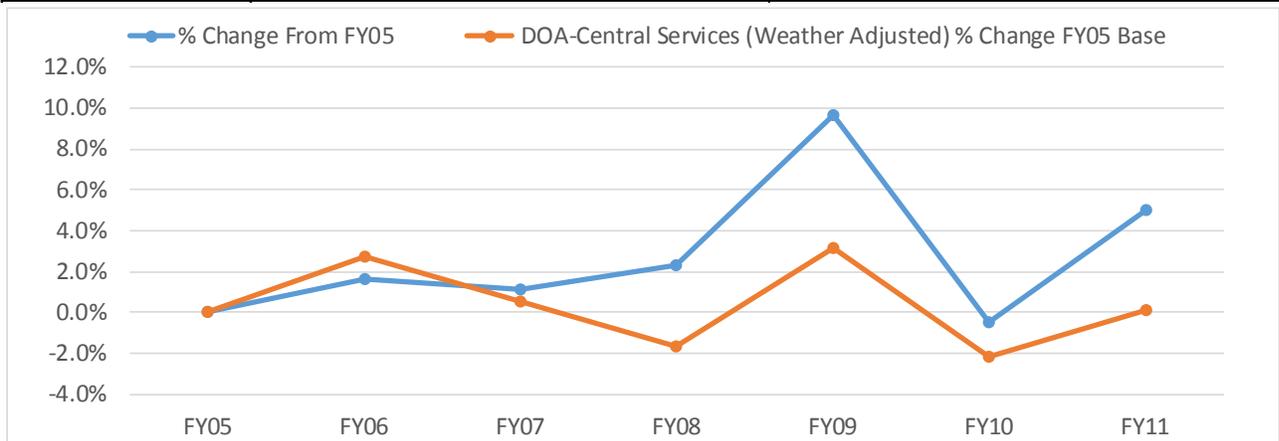
DOA-Air Services									
DOA-Air Services		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	17,898	96,324	18,938	115,262	0.0%	100.0%	100.0%	115,262	0.0%
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%



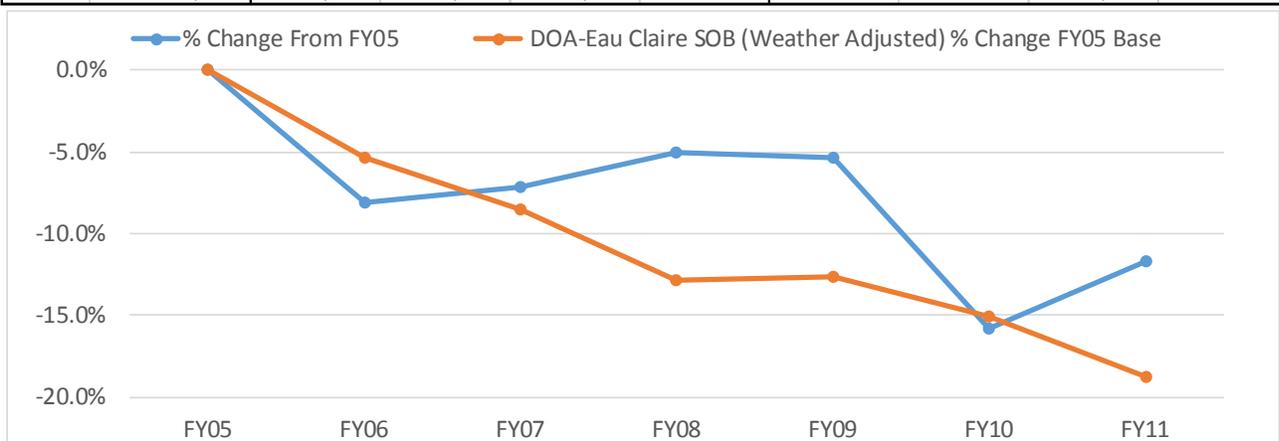
DOA-Badger Road									
DOA-Badger Road		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	50,842	50,468	57,475	107,943	0.0%	100.0%	100.0%	107,943	0.0%
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%



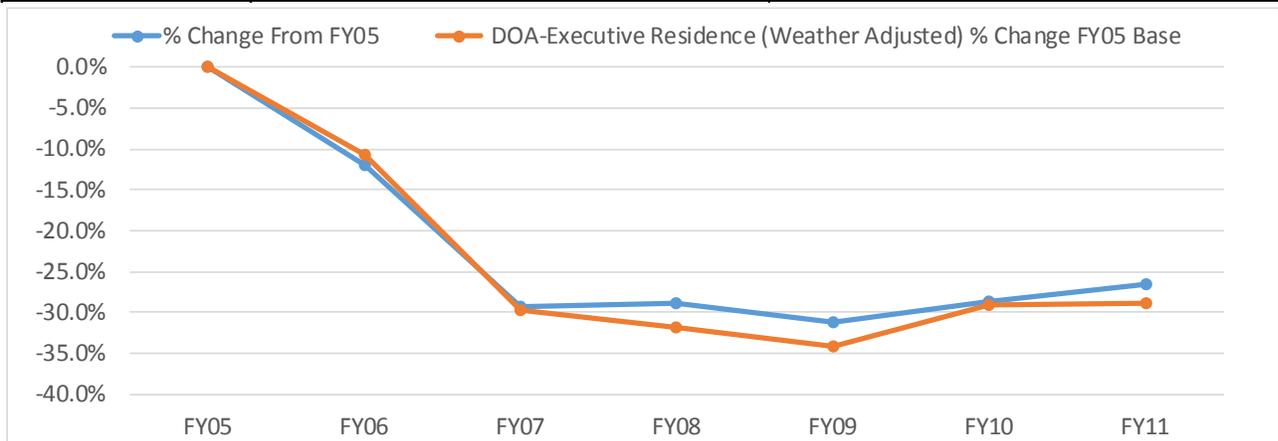
DOA-Central Services									
DOA-Central Services		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	147,700	68,831	45,512	114,343	0.0%	100.0%	100.0%	114,343	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%



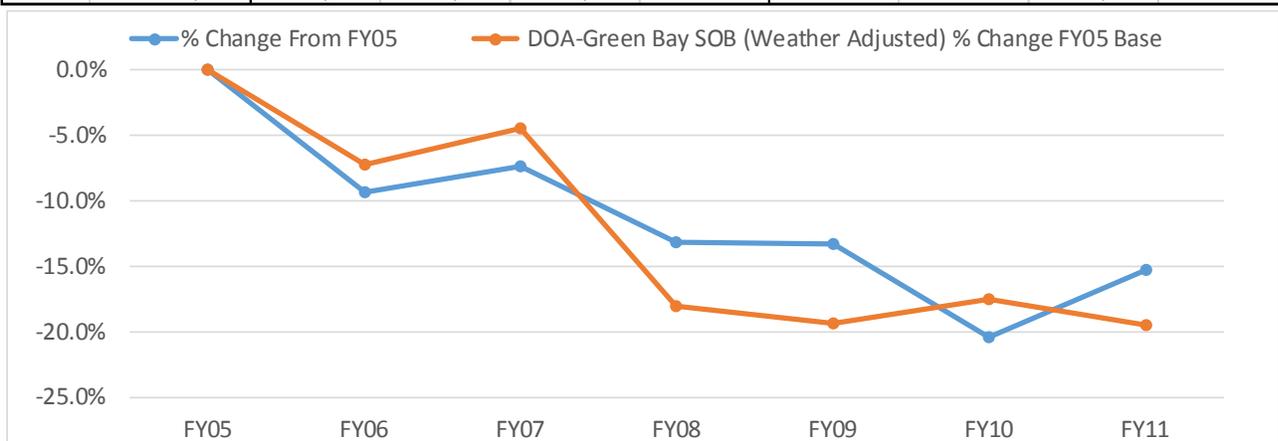
DOA-Eau Claire SOB									
DOA-Eau Claire SOB		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	56,206	37,587	40,349	77,936	0.0%	100.0%	100.0%	77,936	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%



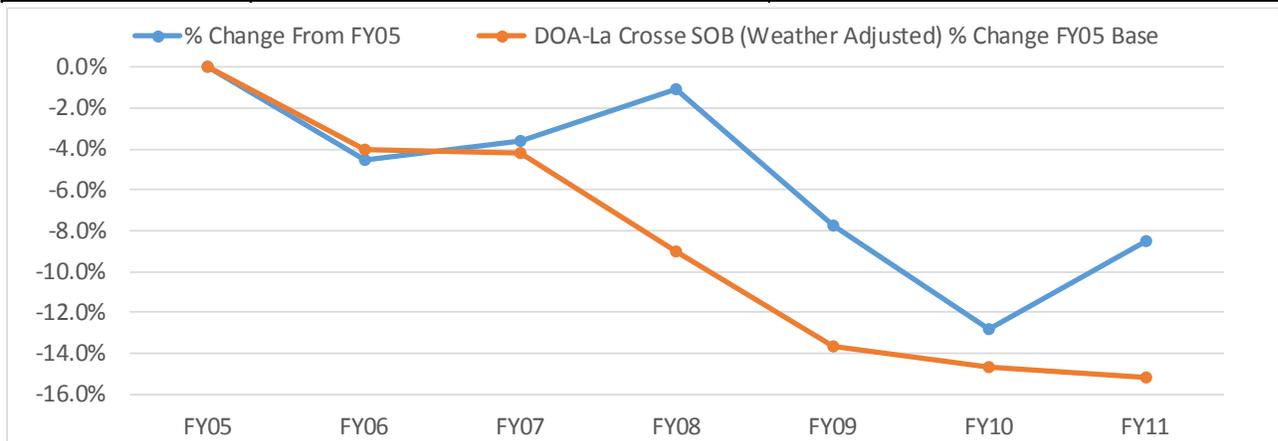
DOA-Executive Residence									
DOA-Executive Residence		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	23,455	89,090	33,078	122,168	0.0%	100.0%	100.0%	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%



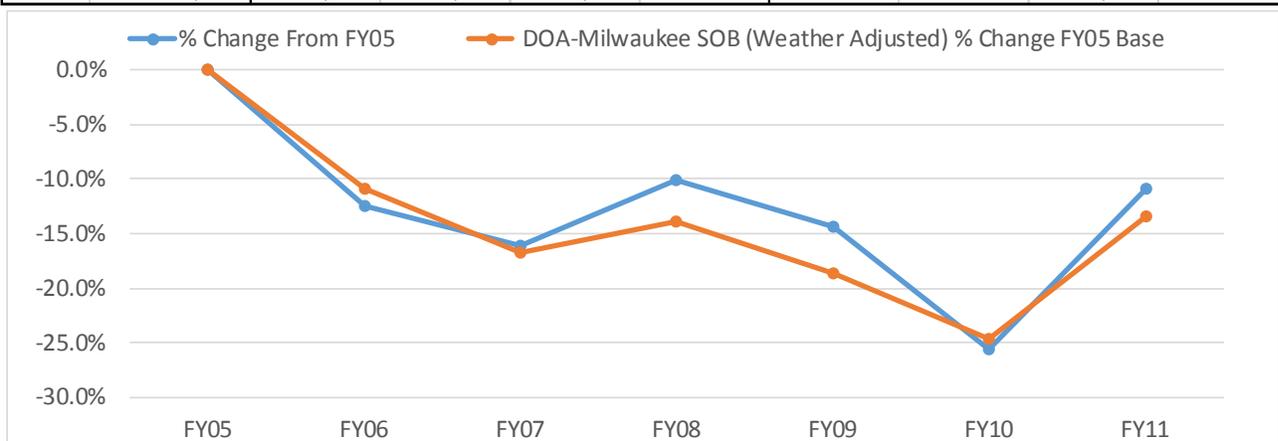
DOA-Green Bay SOB									
DOA-Green Bay SOB		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	69,206	25,116	31,967	57,083	0.0%	100.0%	100.0%	57,083	0.0%
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%



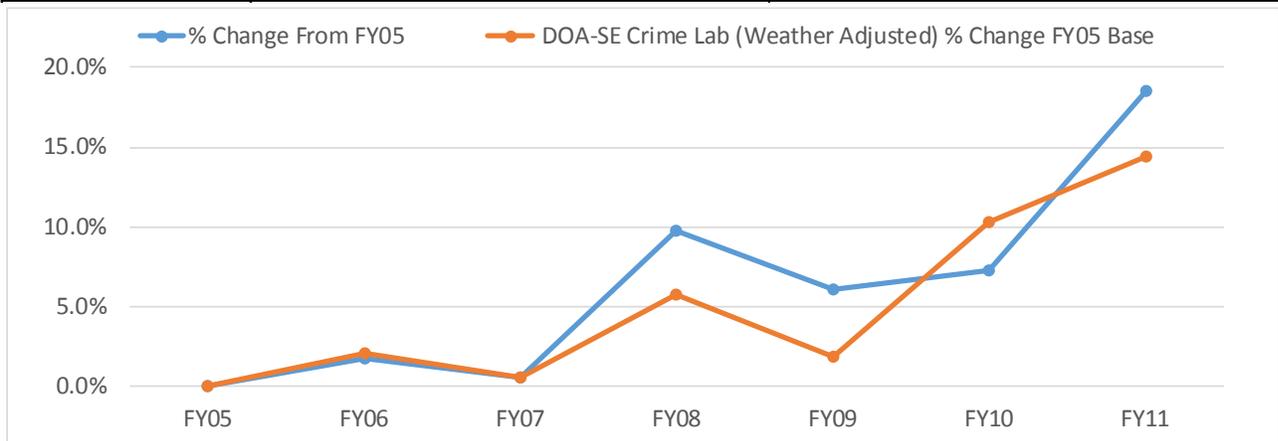
DOA-La Crosse SOB									
DOA-La Crosse SOB		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	45,965	34,964	32,505	67,468	0.0%	100.0%	100.0%	67,468	0.0%
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%



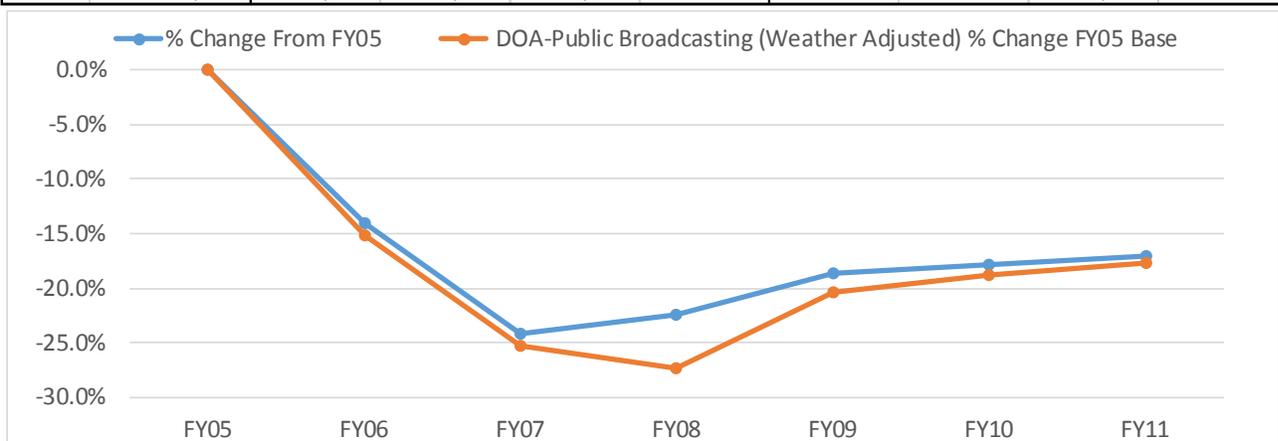
DOA-Milwaukee SOB									
DOA-Milwaukee SOB		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	201,200	37,712	38,403	76,115	0.0%	100.0%	100.0%	76,115	0.0%
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%



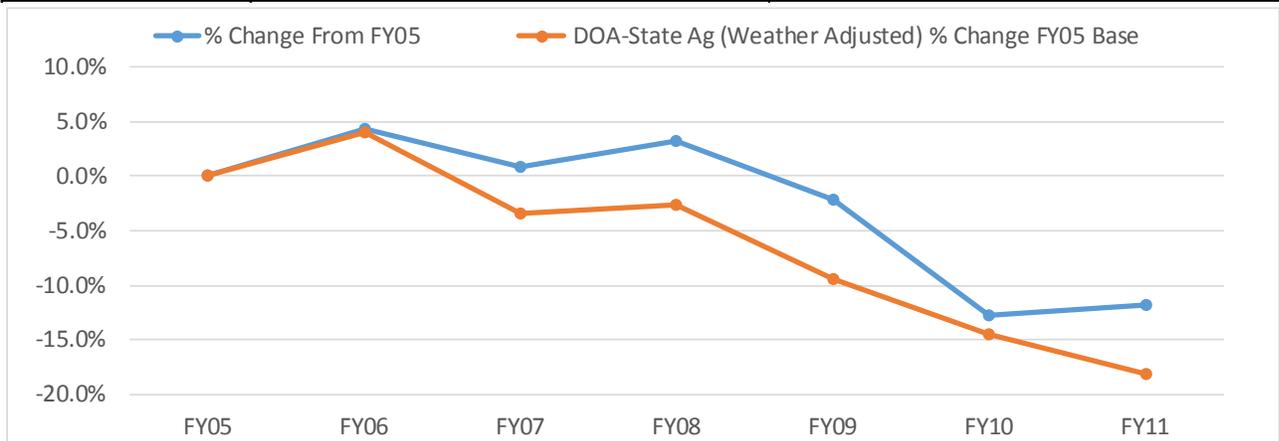
DOA-SE Crime Lab									
DOA-SE Crime Lab		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	43,935	51,334	69,155	120,490	0.0%	100.0%	100.0%	120,490	0.0%
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%



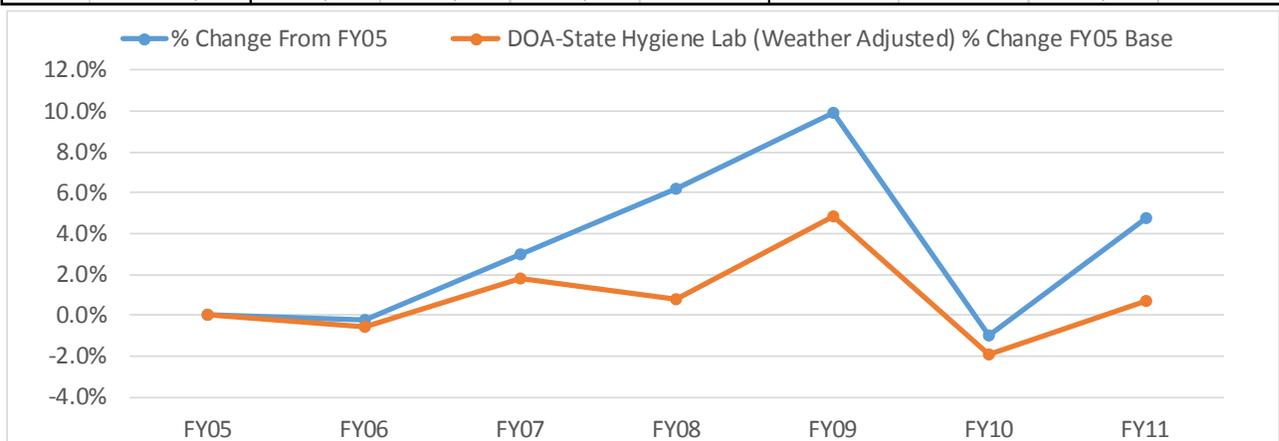
DOA-Public Broadcasting									
DOA-Public Broadcasting		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	48,246	128,605	129,746	258,351	0.0%	100.0%	100.0%	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%



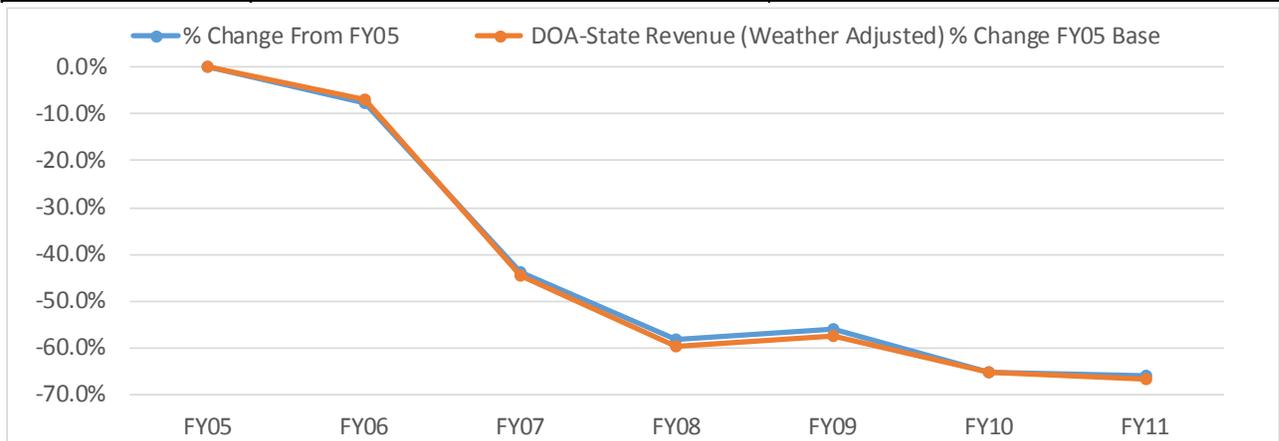
DOA-State Ag									
DOA-State Ag		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	118,011	44,767	45,771	90,538	0.0%	100.0%	100.0%	90,538	0.0%
FY06	118,011	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%



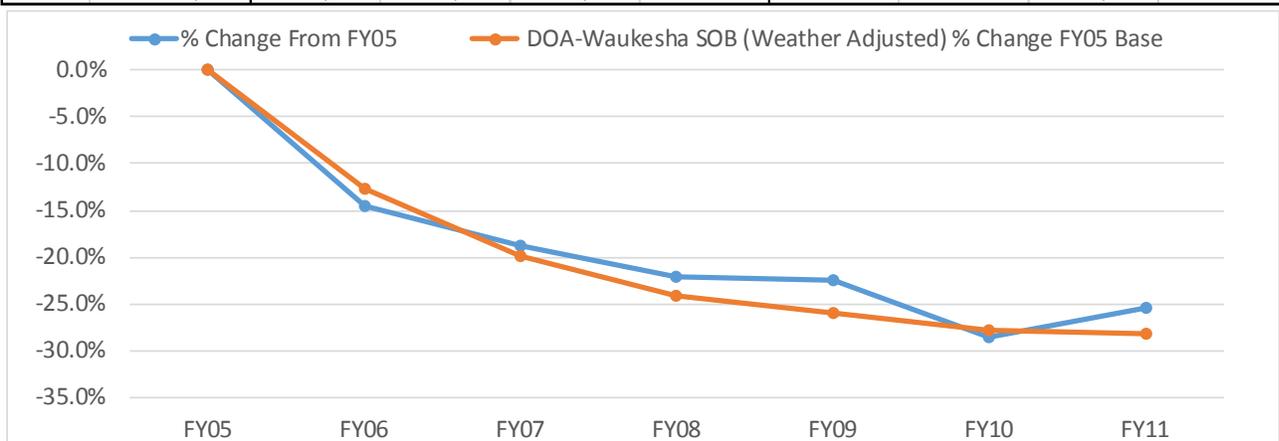
DOA-State Hygiene Lab									
DOA-State Hygiene Lab		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	77,505	297,710	176,259	473,969	0.0%	100.0%	100.0%	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%



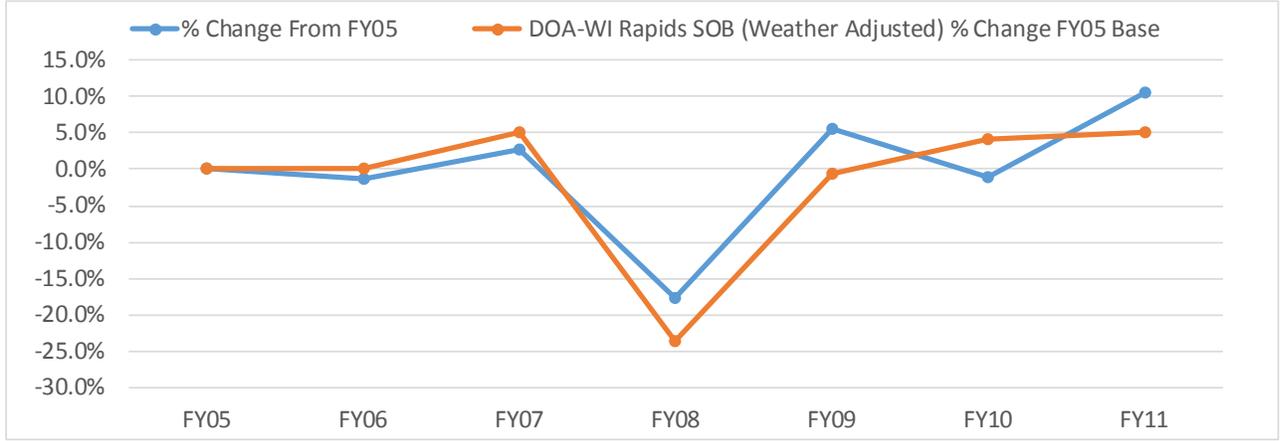
DOA-State Revenue									
DOA-State Revenue		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	247,224	73,435	61,299	134,734	0.0%	100.0%	100.0%	134,734	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%



DOA-Waukesha SOB									
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%



DOA-WI Rapids SOB									
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%



# 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: 3.5 percent decrease.**

Energy use (BTU/GSF/Yr) for FY11 was 3.5 percent lower than in the base fiscal year, FY05.

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

Energy use (BTU/GSF/Yr) for FY11 increased 0.6 percent from the previous fiscal year.

***Average Annual Change - Weather Adjusted: 0.6 percent decrease per year.***

On average, energy use (BTU/GSF/Yr) has decreased 0.6 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.

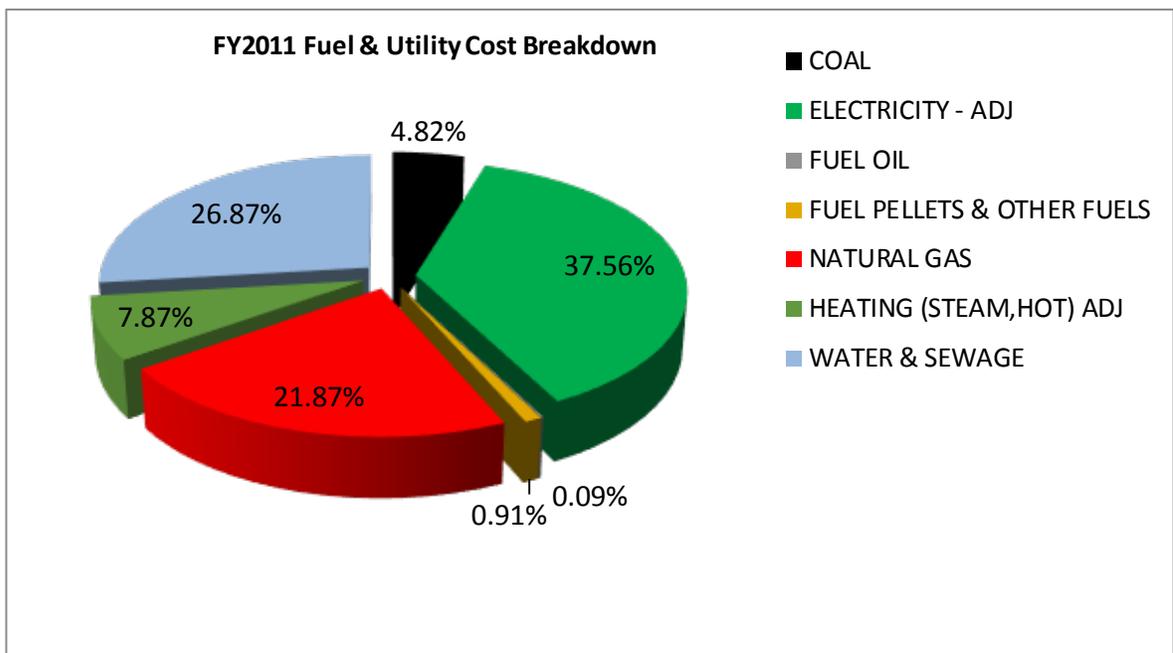
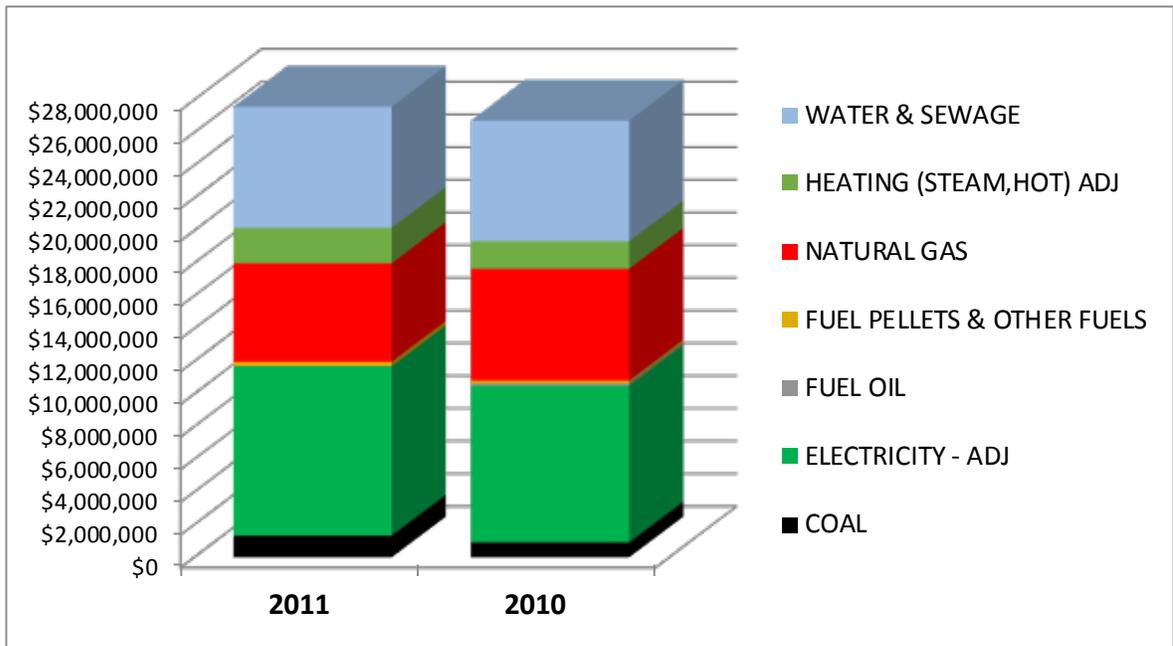
***Consumption Change from Base: 0.9 percent decrease.***

Total consumption was 0.9 percent less when compared to FY05. Total energy (million BTU) purchases in FY11 were 3.1 percent less than in the base year when adjusted for weather compared to FY05.

Agency Name: Corrections, Department of (410)

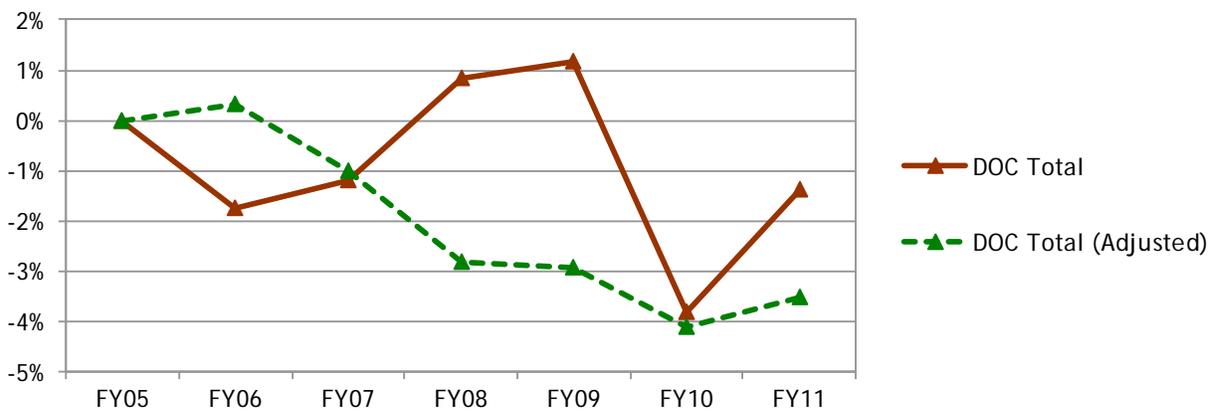
Category Name: Fuel and Utilities

Subcategory Code	Subcategory Name	Fiscal Year 2011	Fiscal Year 2010
3600	COAL	\$ 1,331,321	\$ 912,223
2500	ELECTRICITY - ADJ	\$ 10,366,541	\$ 9,596,379
3610	FUEL OIL	\$ 24,945	\$ 138,278
3620	FUEL PELLETS & OTHER FUELS	\$ 252,522	\$ 182,818
2510	NATURAL GAS	\$ 6,036,199	\$ 6,835,663
2520	HEATING (STEAM,HOT) ADJ	\$ 2,171,682	\$ 1,687,012
2540	WATER & SEWAGE	\$ 7,417,206	\$ 7,394,929
<b>Total (Adj for Waupun Corr. Inst. Sales)</b>		<b>\$ 27,600,417</b>	<b>\$ 26,747,302</b>

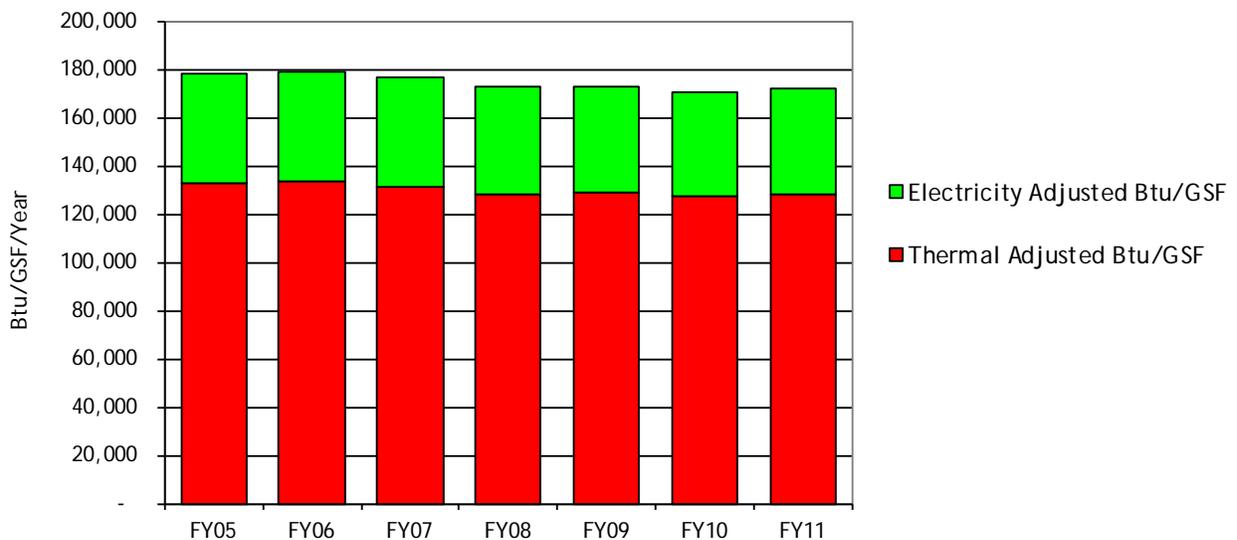


Department of Corrections DOC Total									
Fiscal Year	GSF	BTU/GSF				Weather-Adjusted			
		Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
<b>FY05</b>	8,230,122	132,660	45,406	178,066	0.0%	100.0%	100.0%	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%

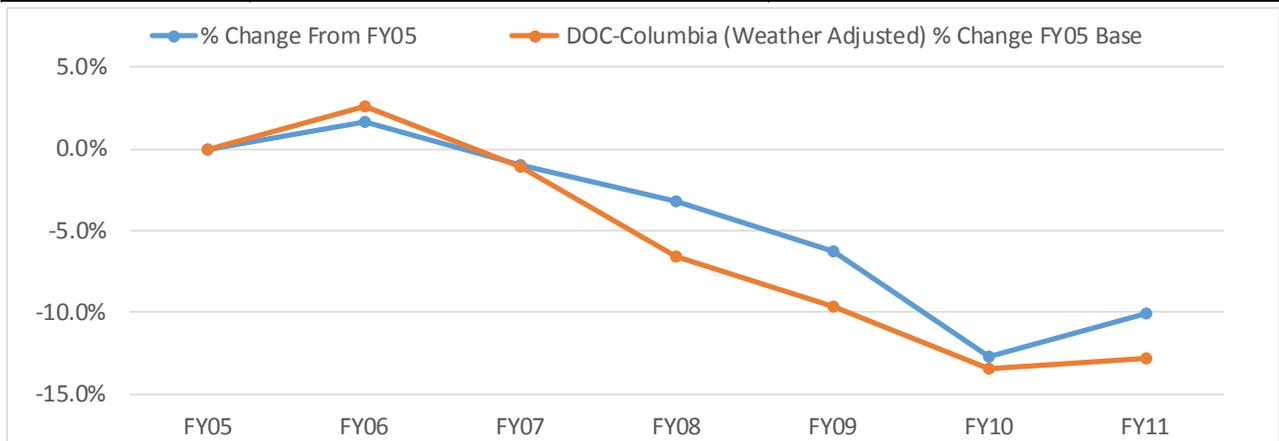
Percent Change from Base (BTU/GSF)



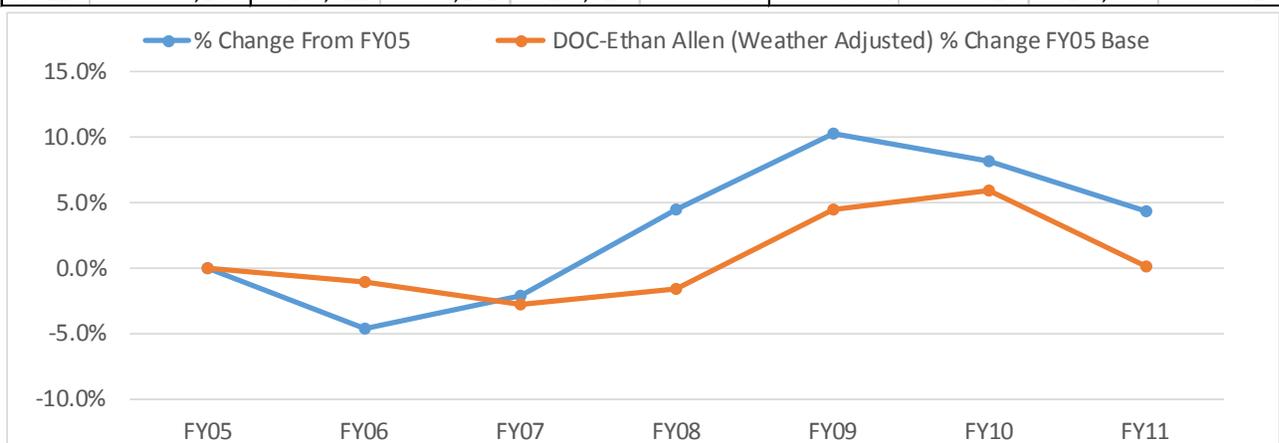
Department of Corrections Energy Usage (BTU/GSF)



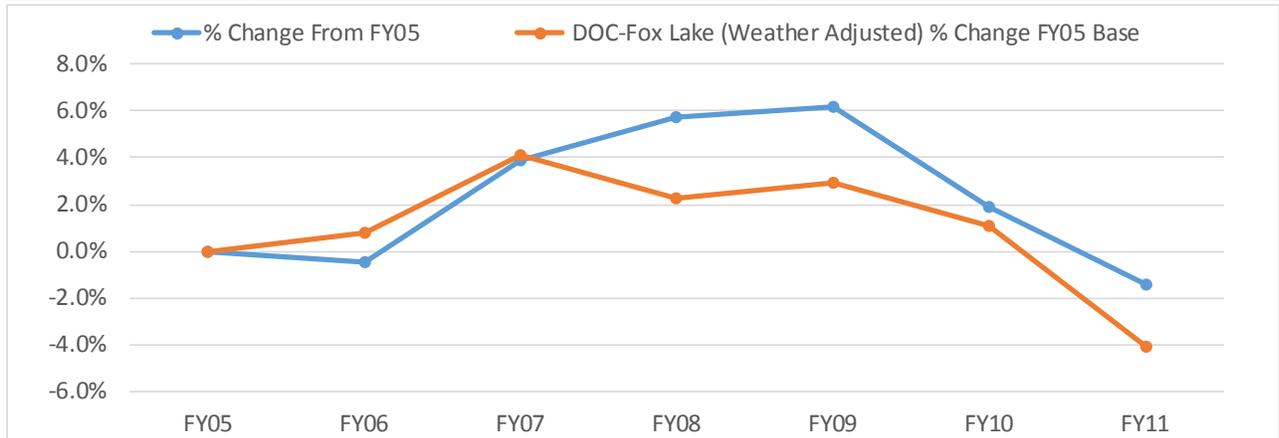
DOC-Columbia									
DOC-Columbia		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	330,807	101,211	61,594	162,805	0.0%	100.0%	100.0%	162,805	0.0%
FY06	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%



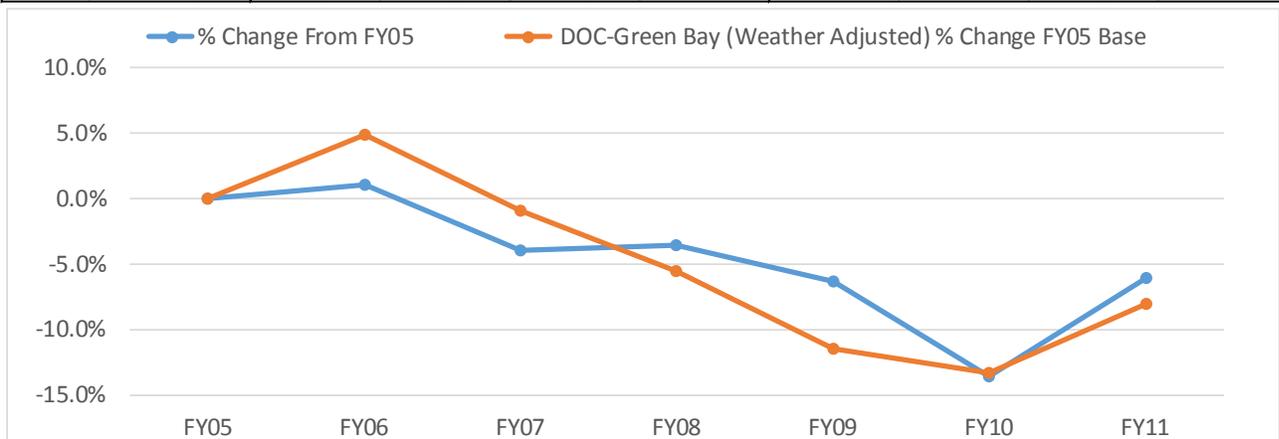
DOC-Ethan Allen									
DOC-Ethan Allen		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	319,034	132,397	36,872	169,270	0.0%	100.0%	100.0%	169,270	0.0%
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%



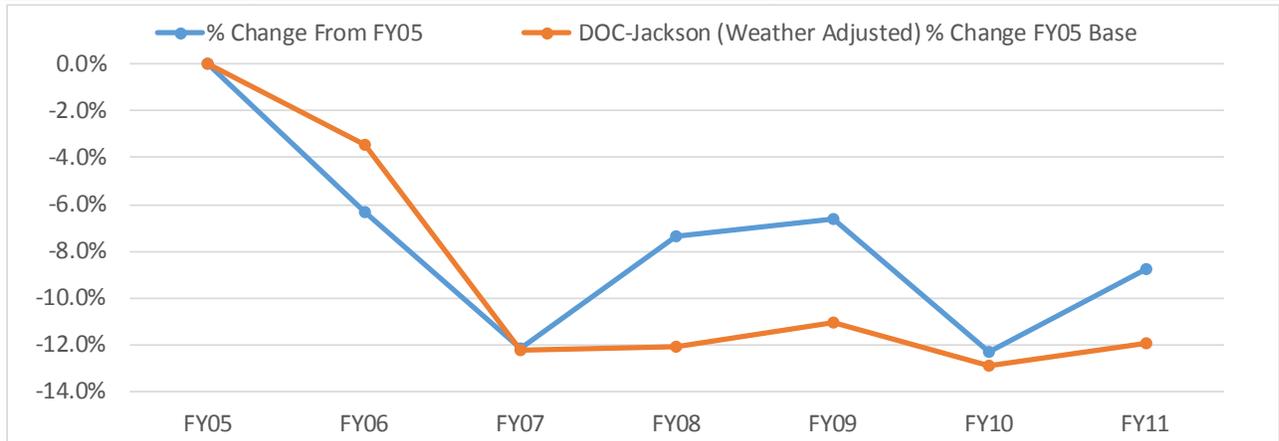
DOC-Fox Lake									
DOC-Fox Lake		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	533,407	149,959	39,424	189,382	0.0%	100.0%	100.0%	189,382	0.0%
FY06	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%



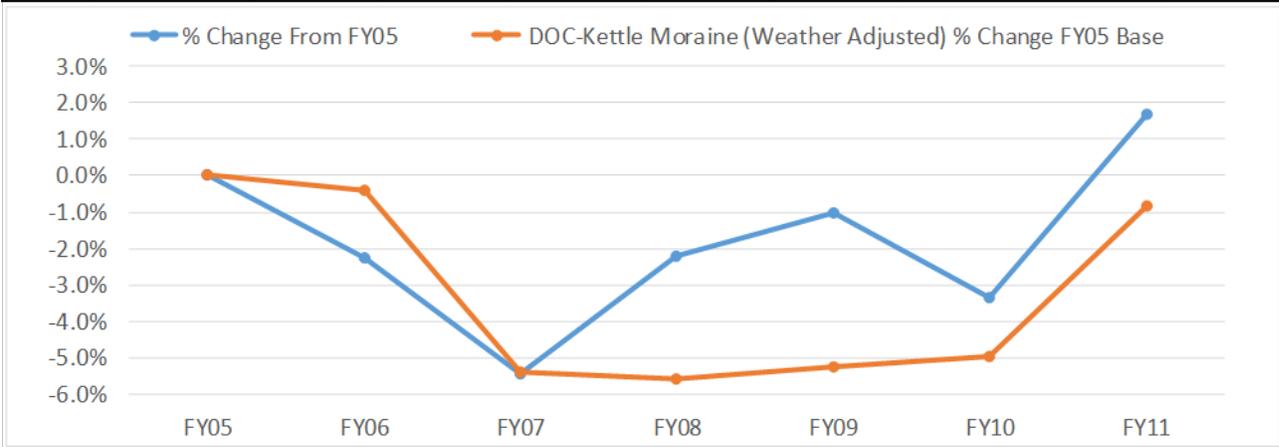
DOC-Green Bay									
DOC-Green Bay		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	453,750	146,759	32,097	178,856	0.0%	100.0%	100.0%	178,856	0.0%
FY06	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%



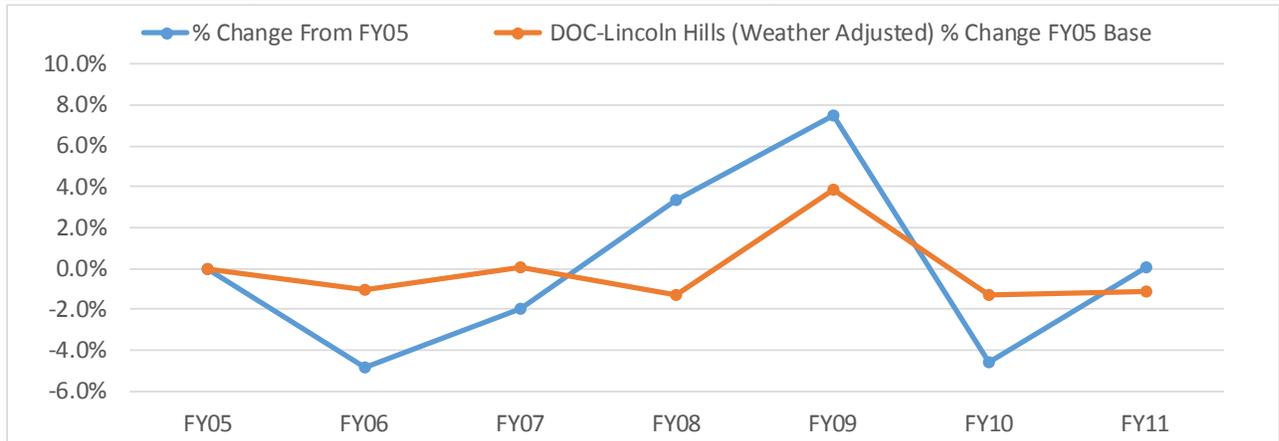
DOC-Jackson									
DOC-Jackson		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	390,613	120,043	59,864	179,907	0.0%	100.0%	100.0%	179,907	0.0%
FY06	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%



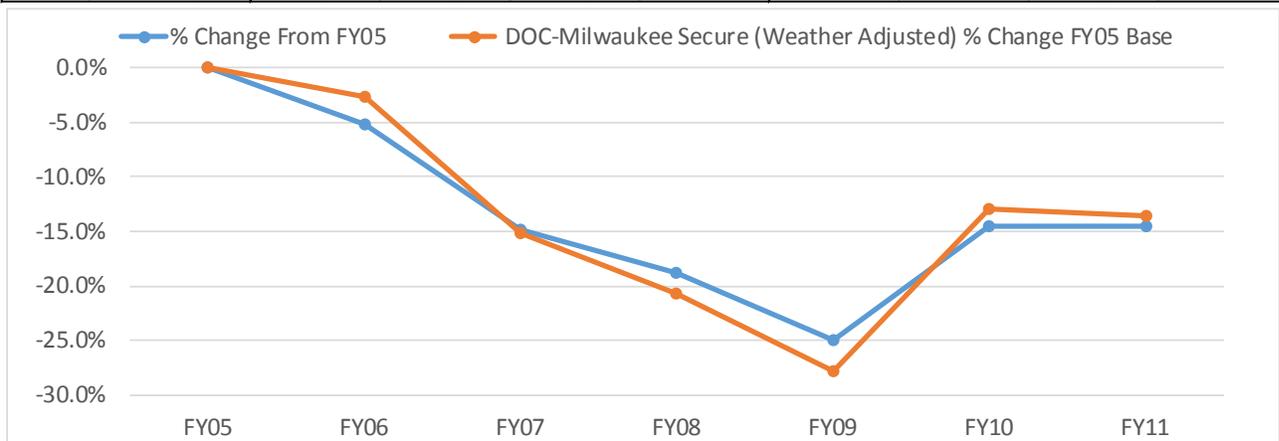
DOC-Kettle Moraine									
DOC-Kettle Moraine		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	361,612	144,408	49,005	193,413	0.0%	100.0%	100.0%	193,413	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%



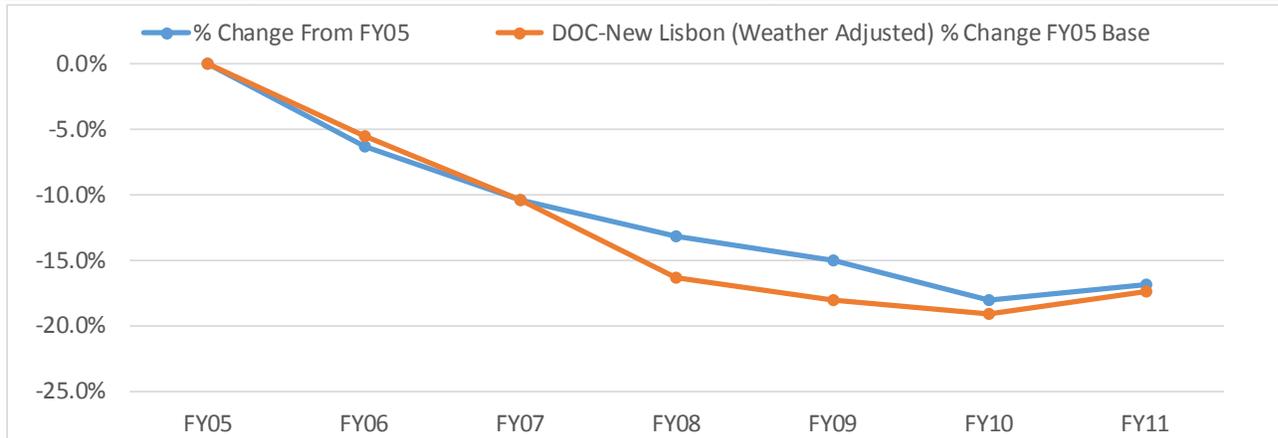
DOC-Lincoln Hills									
DOC-Lincoln Hills		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	249,792	124,056	30,725	154,781	0.0%	100.0%	100.0%	154,781	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%



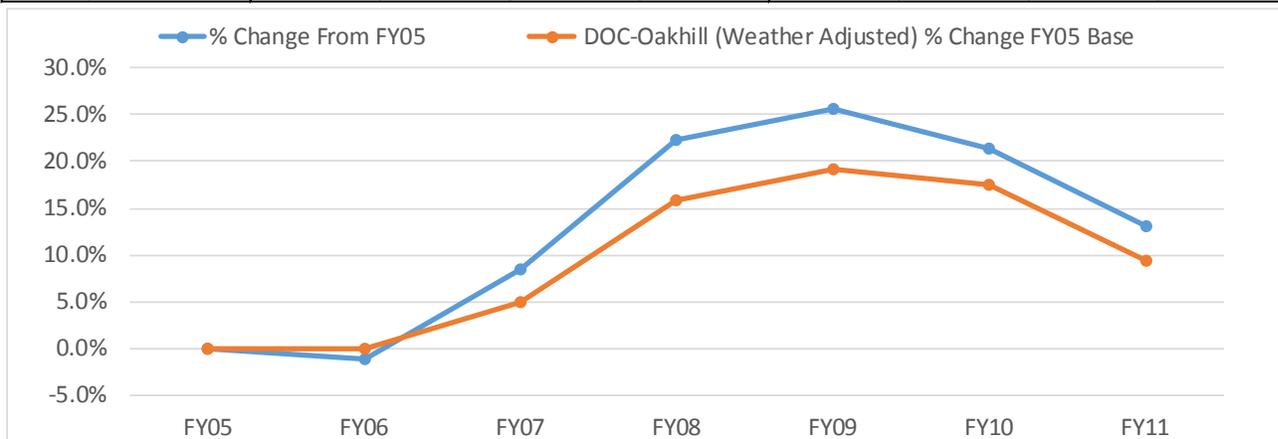
DOC-Milwaukee Secure									
DOC-Milwaukee Secure		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	413,011	54,540	33,939	88,479	0.0%	100.0%	100.0%	88,479	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%



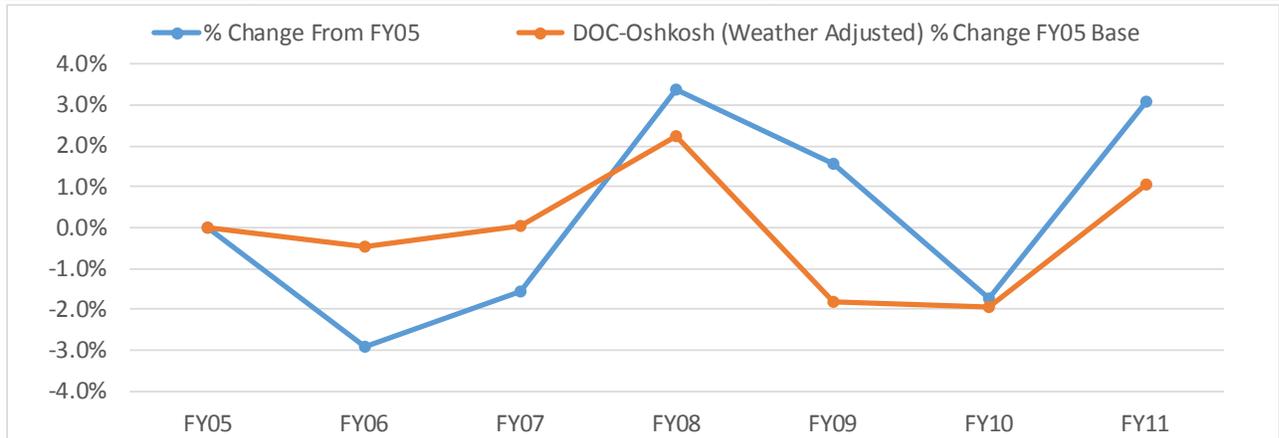
DOC-New Lisbon									
DOC-New Lisbon		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	316,878	156,152	68,006	224,158	0.0%	100.0%	100.0%	224,158	0.0%
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%



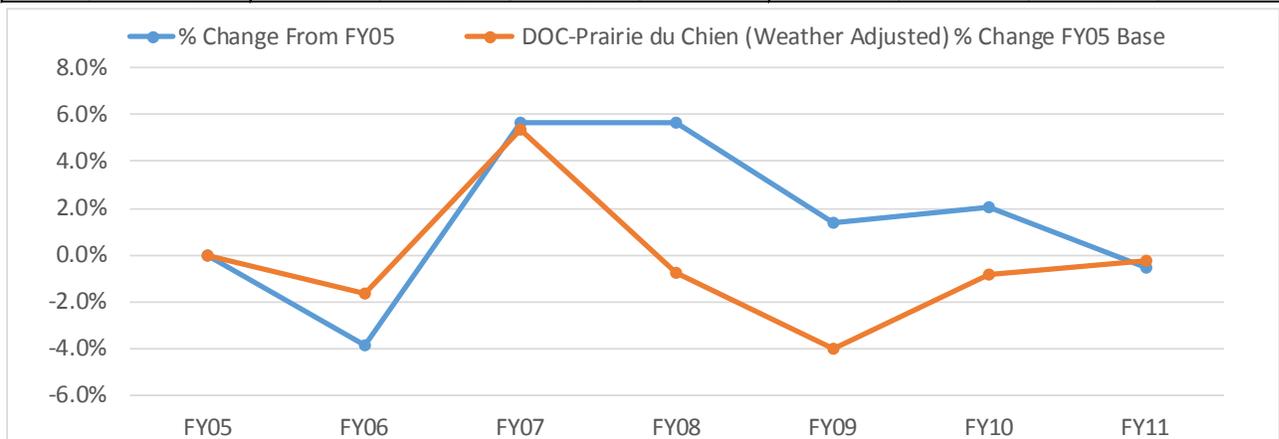
DOC-Oakhill									
DOC-Oakhill		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	319,630	123,588	33,738	157,326	0.0%	100.0%	100.0%	157,326	0.0%
FY06	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%



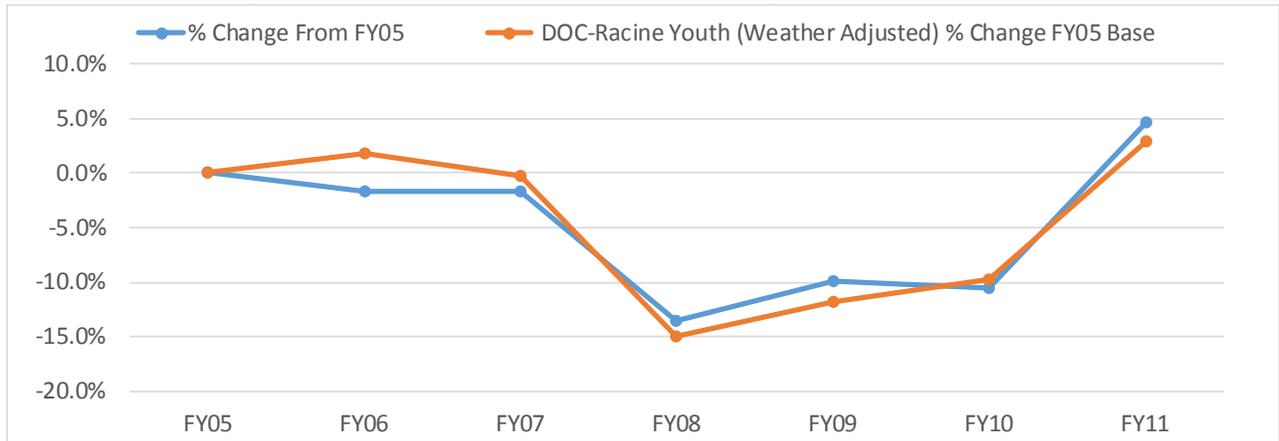
DOC-Oshkosh									
DOC-Oshkosh		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	890,187	112,252	42,105	154,357	0.0%	100.0%	100.0%	154,357	0.0%
FY06	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%



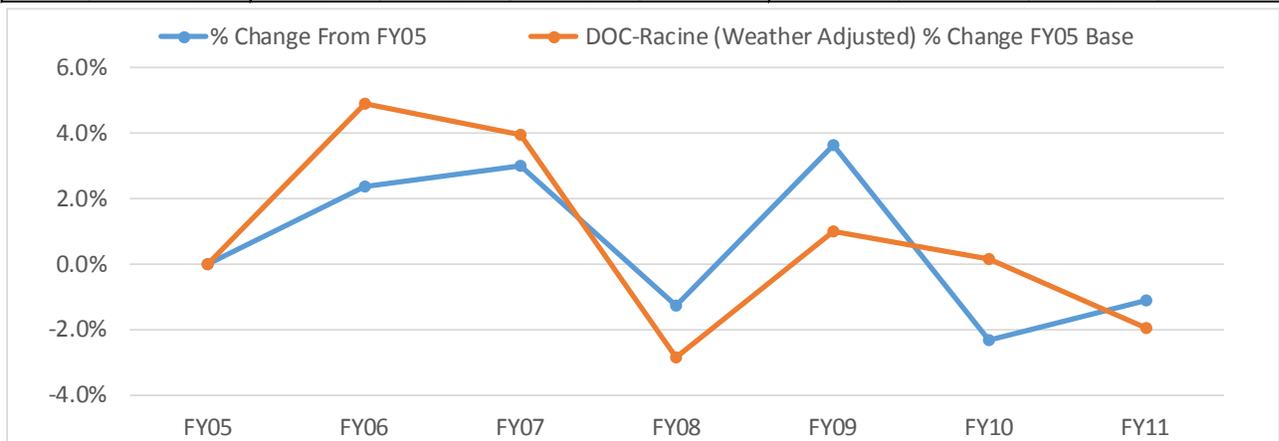
DOC-Prairie du Chien									
DOC-Prairie du Chien		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	383,100	105,090	16,589	121,679	0.0%	100.0%	100.0%	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%



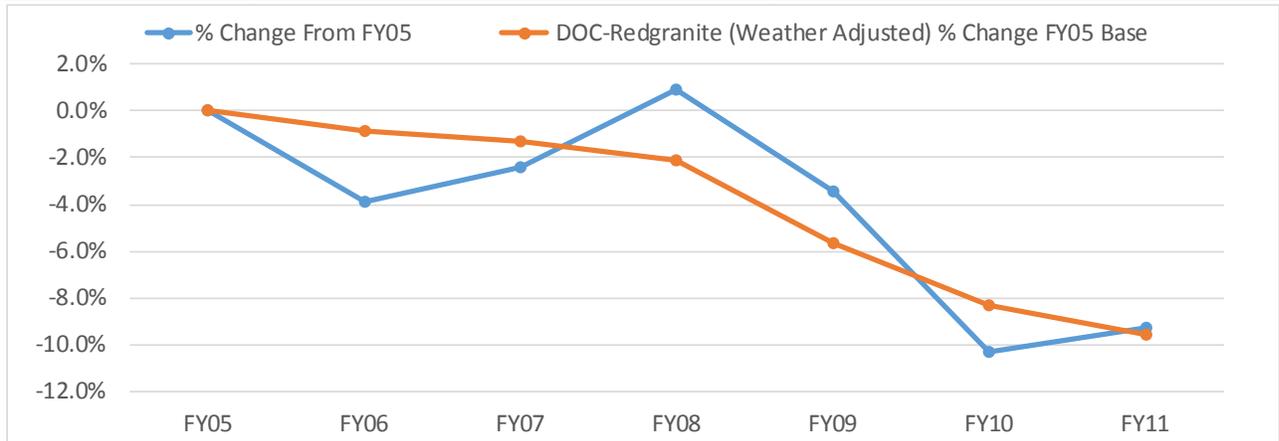
DOC-Racine Youth									
DOC-Racine Youth		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	207,697	85,046	38,193	123,239	0.0%	100.0%	100.0%	123,239	0.0%
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%



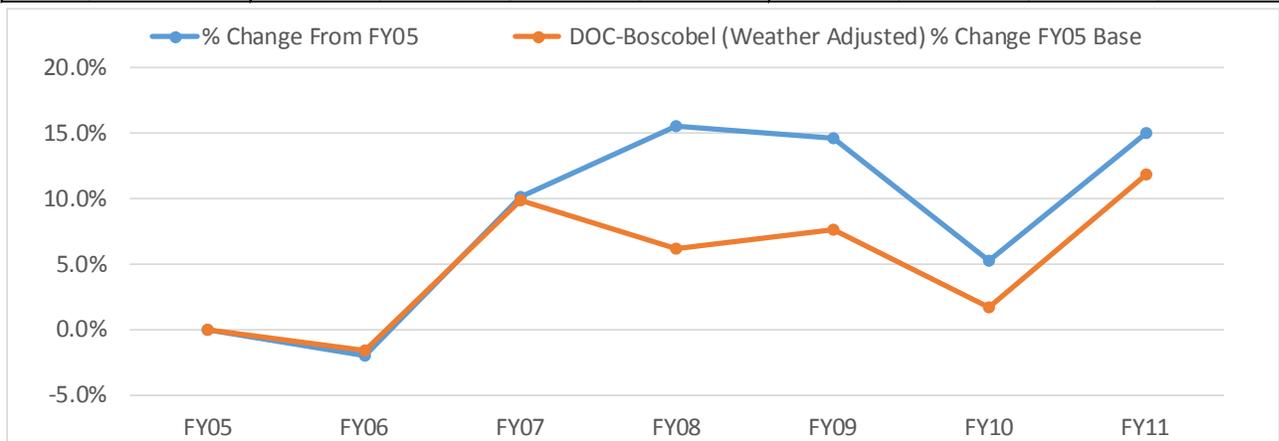
DOC-Racine									
DOC-Racine		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	409,046	106,944	67,085	174,029	0.0%	100.0%	100.0%	174,029	0.0%
FY06	409,046	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%



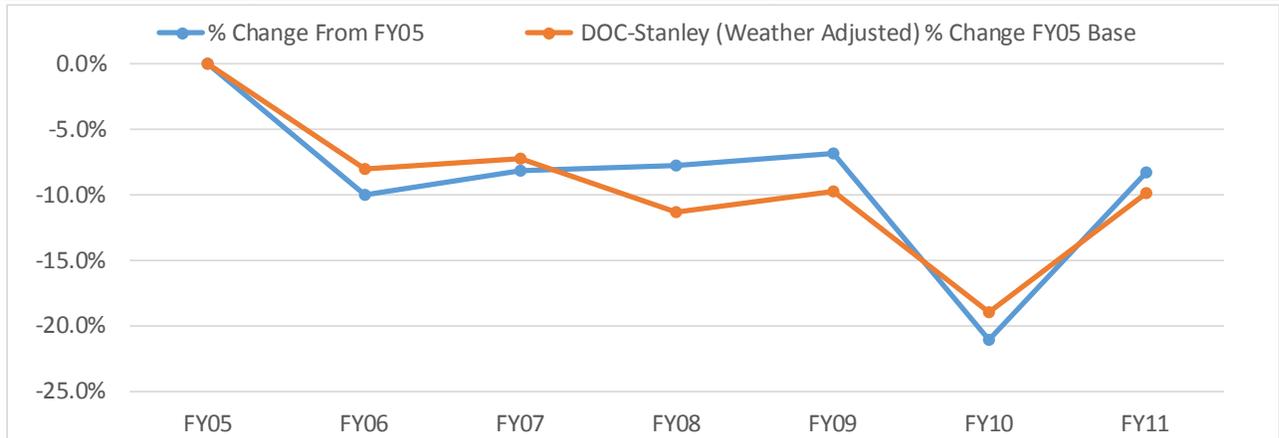
DOC-Redgranite									
DOC-Redgranite		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	310,135	152,068	61,358	213,425	0.0%	100.0%	100.0%	213,425	0.0%
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%



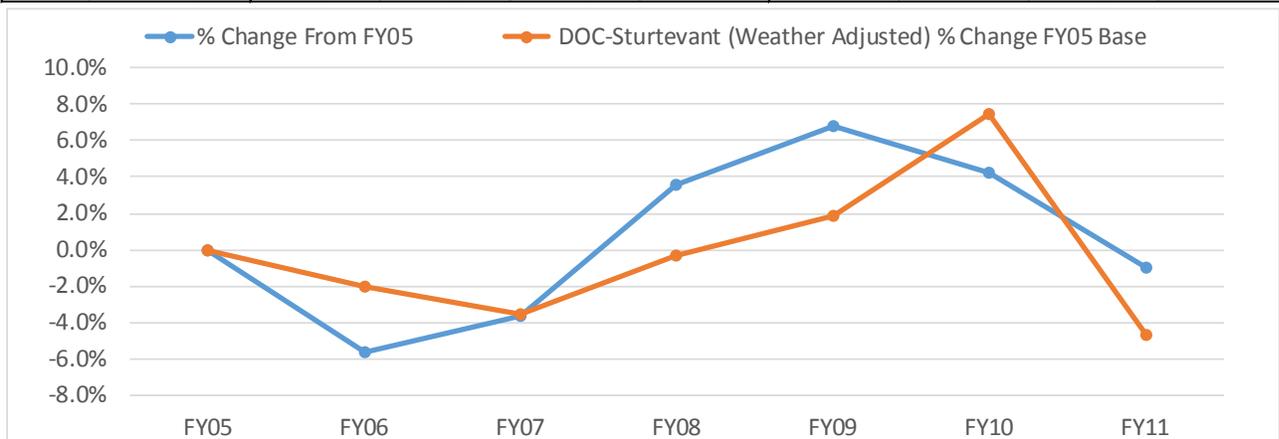
DOC-Boscobel									
DOC-Boscobel		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	195,000	117,908	65,580	183,488	0.0%	100.0%	100.0%	183,488	0.0%
FY06	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%



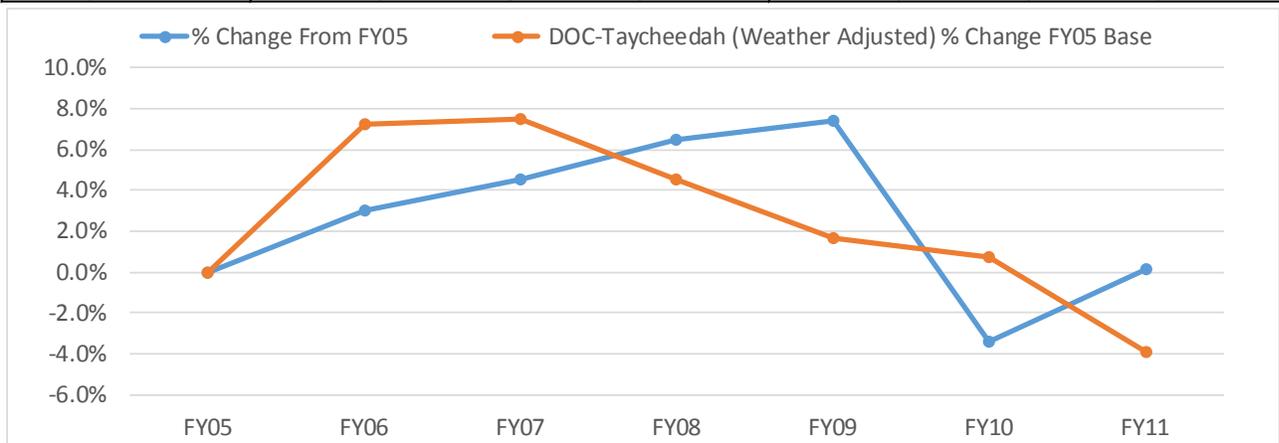
DOC-Stanley									
DOC-Stanley		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	411,897	136,226	68,314	204,540	0.0%	100.0%	100.0%	204,540	0.0%
FY06	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%



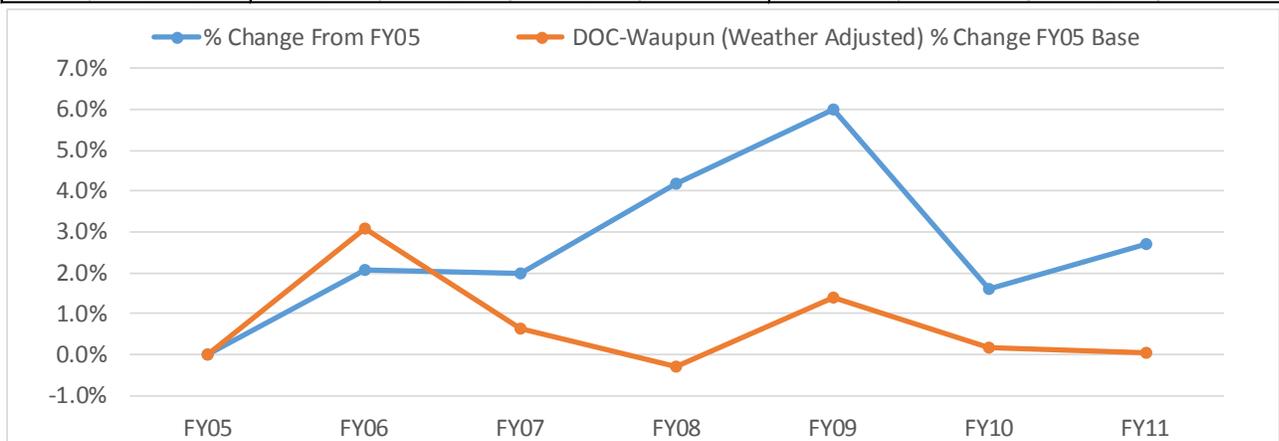
DOC-Sturtevant									
DOC-Sturtevant		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	93,312	131,324	54,613	185,937	0.0%	100.0%	100.0%	185,937	0.0%
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%



DOC-Taycheedah									
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%



DOC-Waupun									
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%



# 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: 1.5 percent decrease.**

Energy use (BTU/GSF/Yr) for FY11 was 1.5 percent lower than in the base fiscal year,

**Latest Year Change - Weather Adjusted: 1.6 percent increase.**

Energy use (BTU/GSF/Yr) for FY11 increased 1.6 percent from the previous fiscal year.

**Average Annual Change - Weather Adjusted: 0.3 percent decrease per year.**

On average, energy use (BTU/GSF/Yr) has decreased 0.3 percent since the base year, FY05.

## GSF AND CONSUMPTION STATISTICS

**GSF Change from Base: -1.2 percent Decrease.**

Gross square footage has decreased 1.2% from the base fiscal year, FY05.

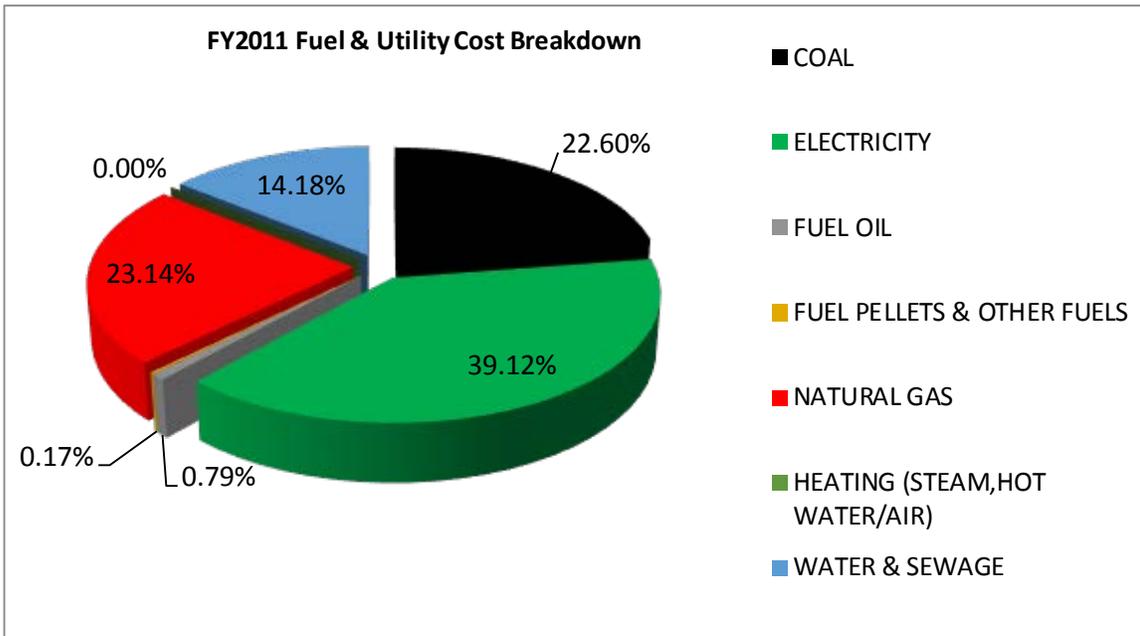
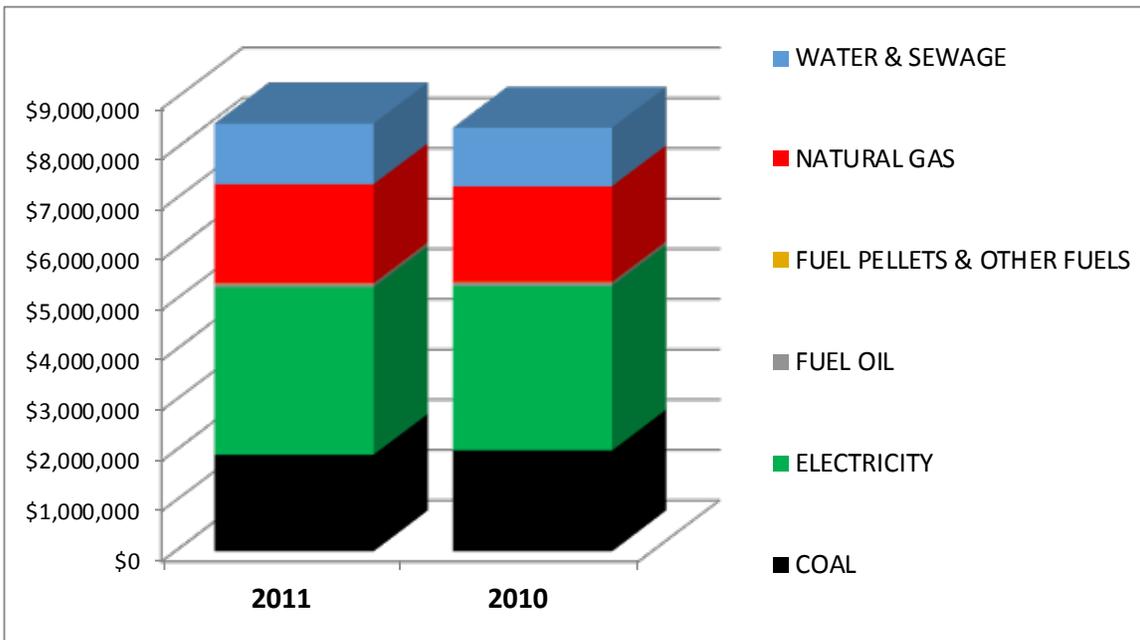
**Consumption Change from Base: 0.1 percent increase.**

Total consumption was 0.1 percent greater when compared to FY05. Total energy (million BTU) purchases in FY11 were 2.7 percent less than in the base year when adjusted for weather compared to FY05.

Agency Name: Health Services, Department of (435)

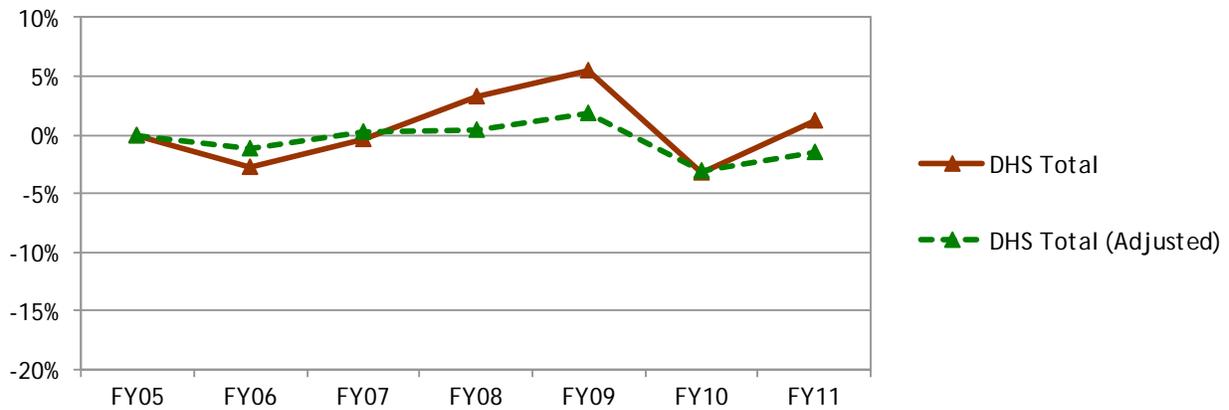
Category Name: Fuel and Utilities

Subcategory Code	Subcategory Name	Fiscal Year 2011	Fiscal Year 2010
3600	COAL	\$ 1,923,398	\$ 2,009,112
2500	ELECTRICITY	\$ 3,329,666	\$ 3,271,342
3610	FUEL OIL	\$ 67,465	\$ 66,366
3620	FUEL PELLETS & OTHER FUELS	\$ 14,518	\$ 10,069
2510	NATURAL GAS	\$ 1,969,260	\$ 1,905,411
2520	HEATING (STEAM,HOT WATER/AIR)	\$ -	\$ -
2540	WATER & SEWAGE	\$ 1,206,617	\$ 1,165,033
<b>Total:</b>		<b>\$ 8,510,925</b>	<b>\$ 8,427,333</b>

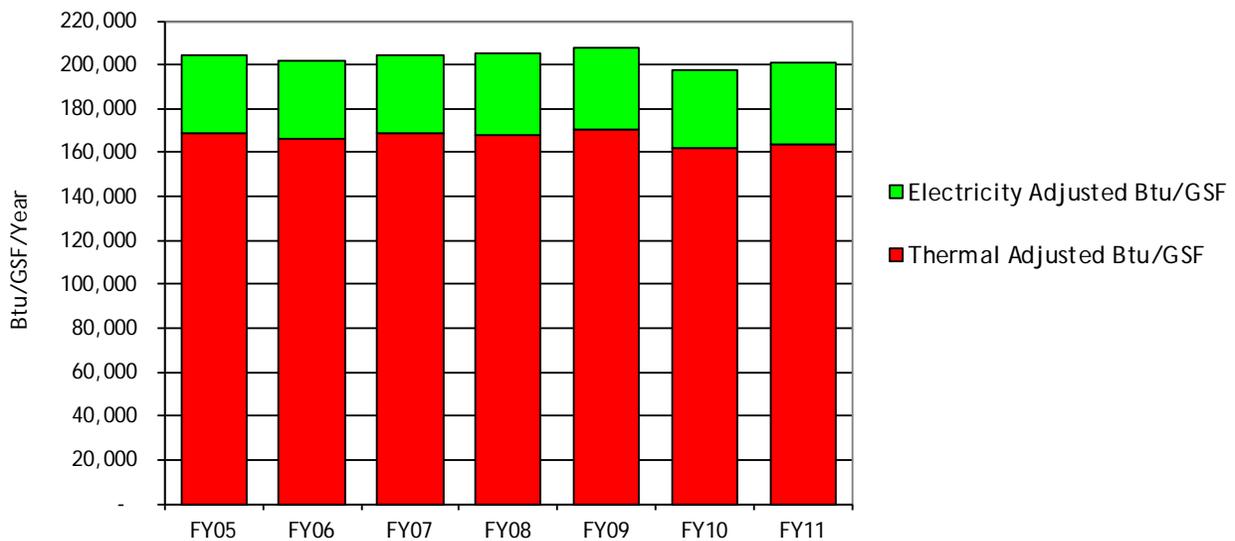


Department of Health Services Department of Health Services Total									
Fiscal Year	GSF	BTU/GSF				Weather-Adjusted			
		Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
<b>FY05</b>	4,247,798	169,215	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%

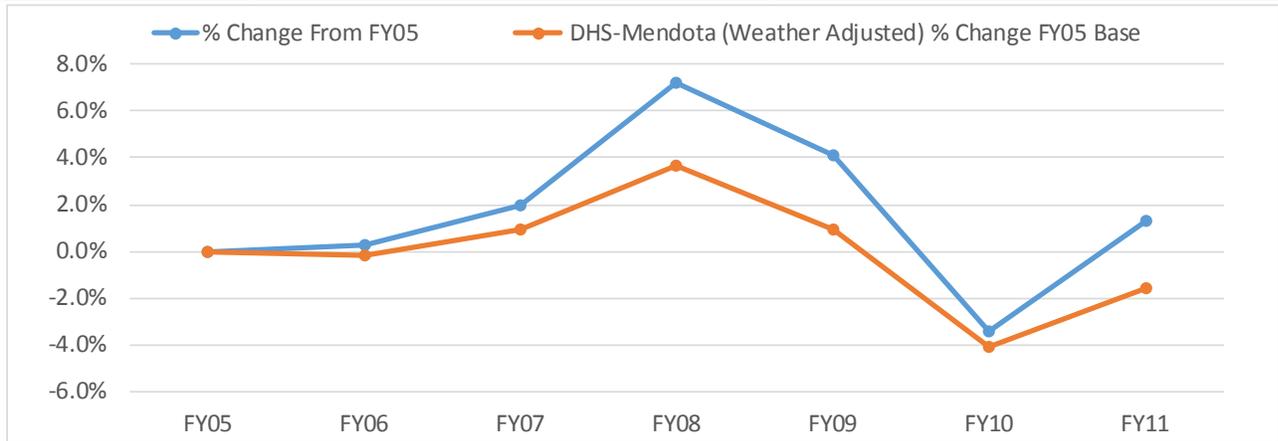
Percent Change from Base (BTU/GSF)



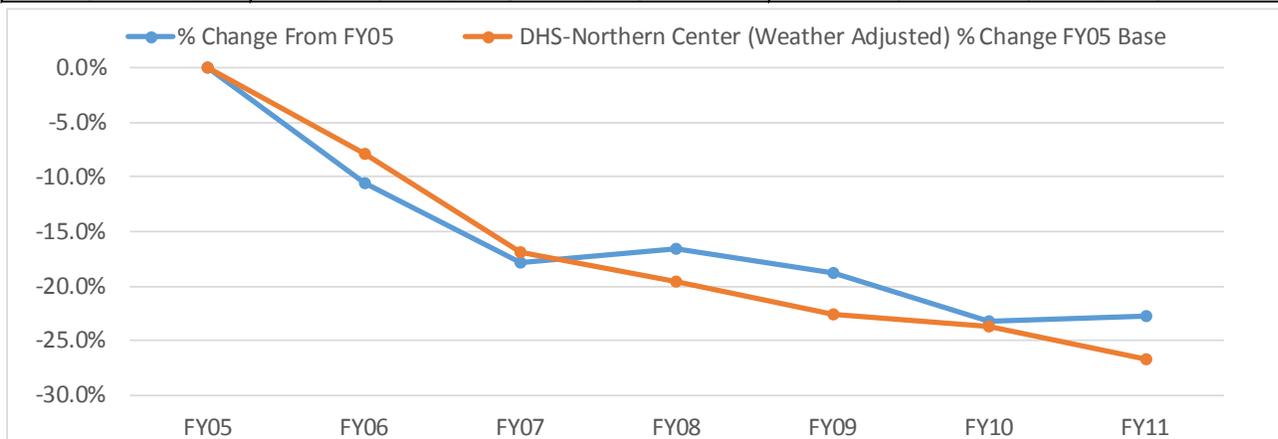
Department of Health Services Energy Usage (BTU/GSF)



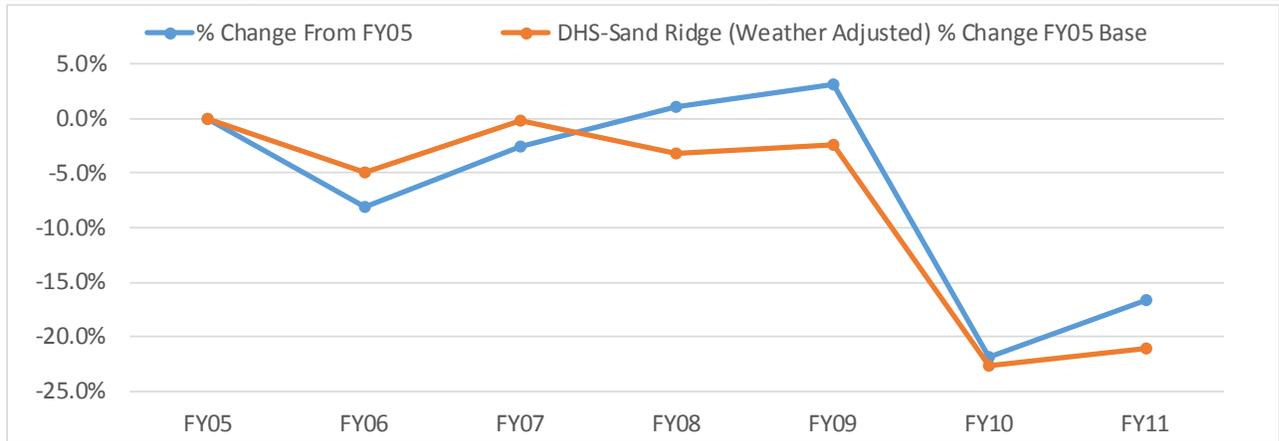
DHS-Mendota									
DHS-Mendota		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	1,372,434	227,844	34,334	262,179	0.0%	100.0%	100.0%	262,179	0.0%
FY06	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%



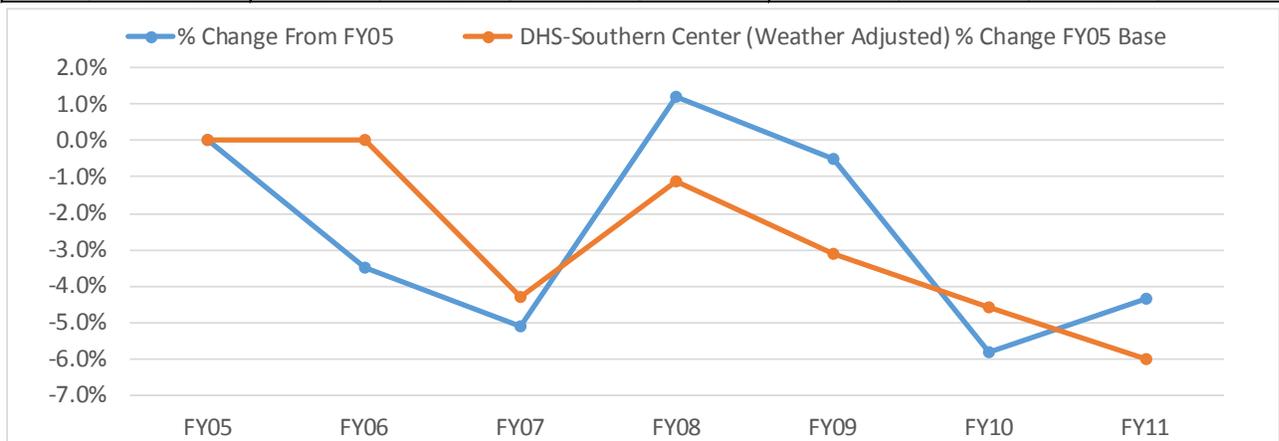
DHS-Northern Center									
DHS-Northern Center		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	721,377	154,158	32,509	186,667	0.0%	100.0%	100.0%	186,667	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%



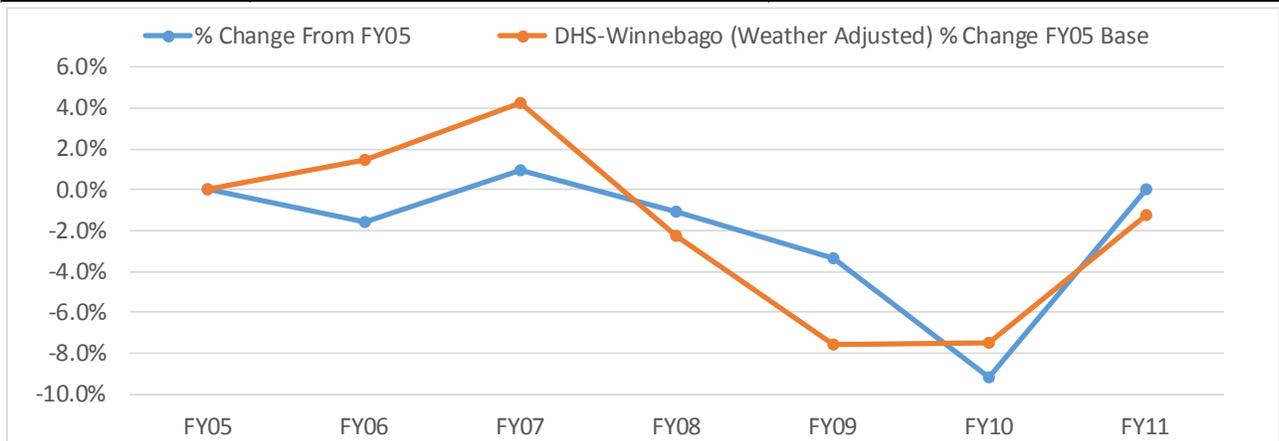
DHS-Sand Ridge									
DHS-Sand Ridge		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	203,119	100,539	51,117	151,656	0.0%	100.0%	100.0%	151,656	0.0%
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%



DHS-Southern Center									
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%



DHS-Winnebago									
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%



# 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: 6.8 percent decrease.**

Energy use (BTU/GSF/Yr) for FY11 was 6.8 percent lower than in the base fiscal year, FY05.

**Latest Year Change - Weather Adjusted: 2.9 percent decrease.**

Energy use (BTU/GSF/Yr) for FY11 decreased 2.9 percent from the previous fiscal year.

***Average Annual Change - Weather Adjusted: 1.1 percent decrease per year.***

On average, energy use (BTU/GSF/Yr) has decreased 1.1 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.

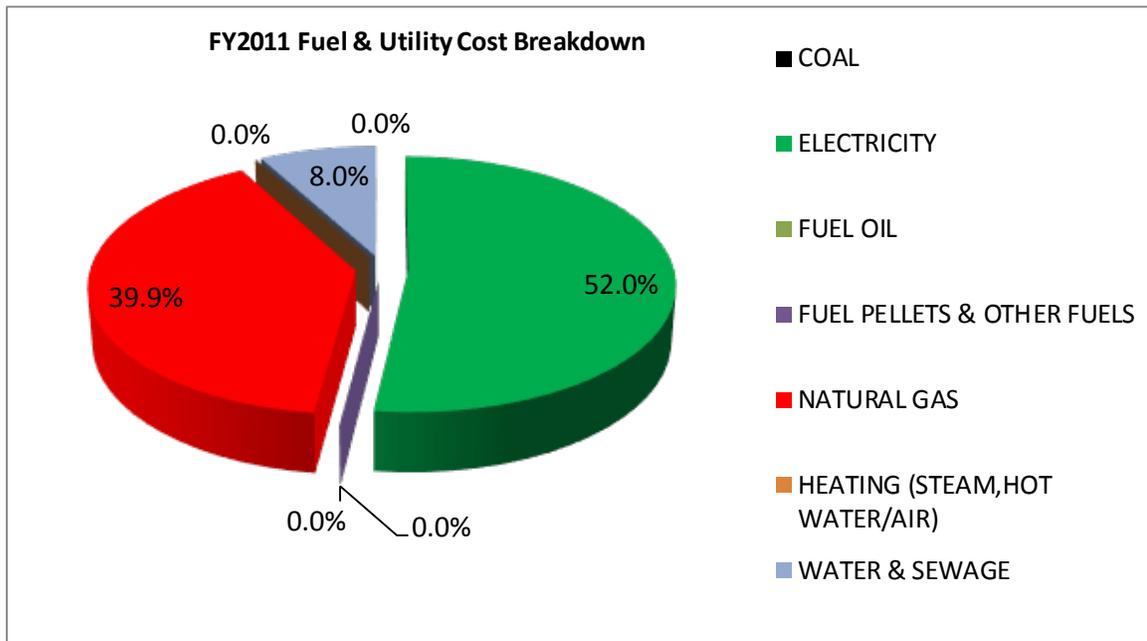
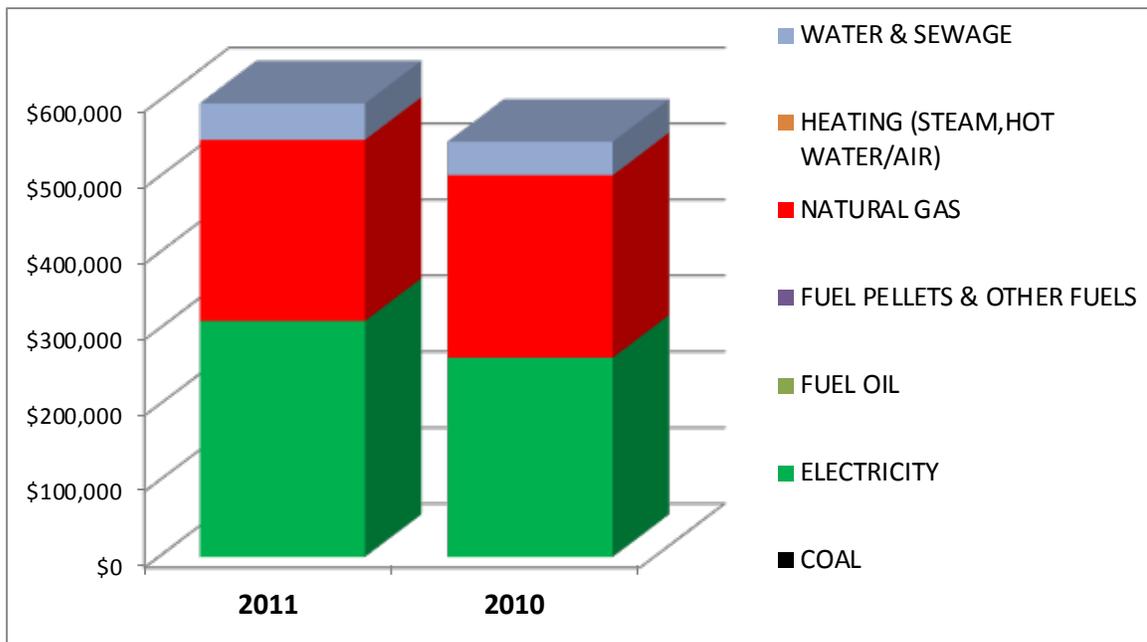
***Consumption Change from Base: 0.2 percent increase.***

Total consumption was 0.2 percent greater when compared to FY05. Total energy (million BTU) purchases in FY11 were 6.8 percent less than in the base year when adjusted for weather compared to FY05.

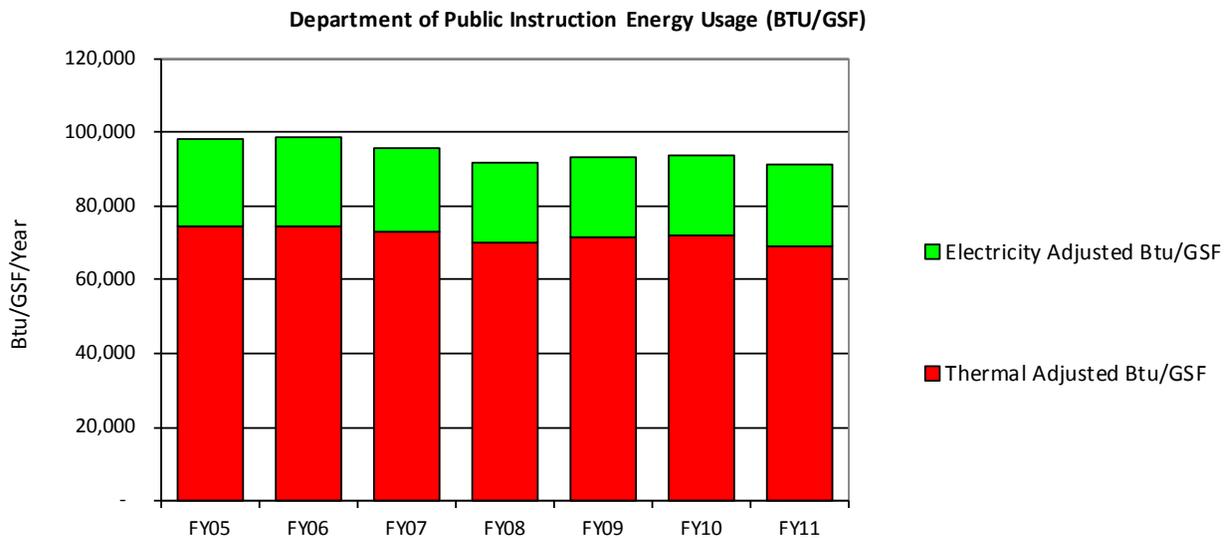
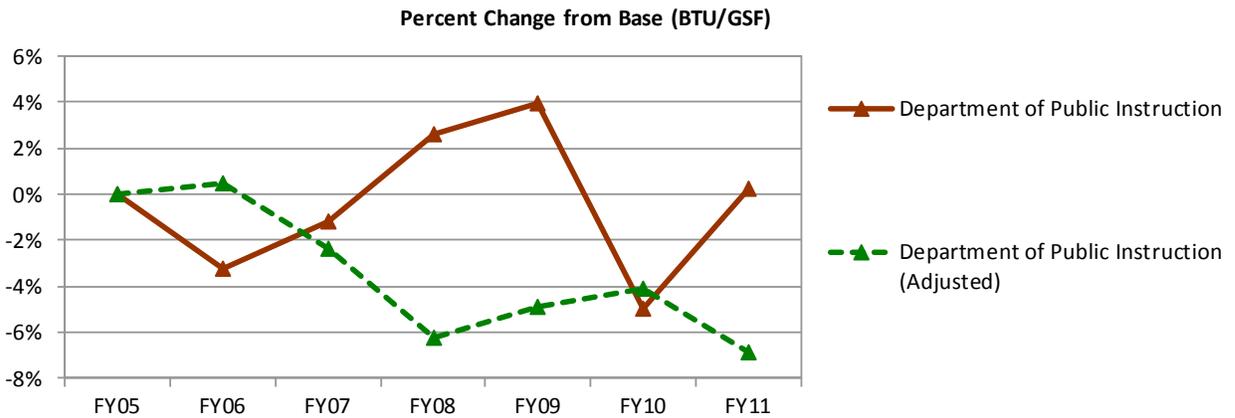
Agency Name: Public Instruction, Department of (255)

Category Name: Fuel and Utilities

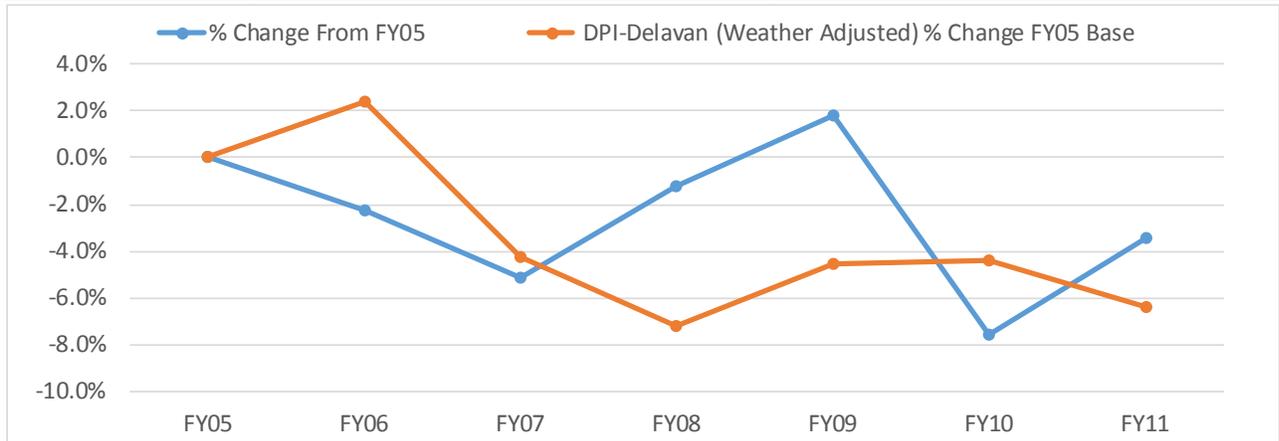
Subcategory Code	Subcategory Name	Fiscal Year 2011	Fiscal Year 2010
3600	COAL	\$ -	\$ -
2500	ELECTRICITY	\$ 310,589	\$ 262,204
3610	FUEL OIL	\$ -	\$ -
3620	FUEL PELLETS & OTHER FUELS	\$ -	\$ -
2510	NATURAL GAS	\$ 238,435	\$ 240,205
2520	HEATING (STEAM,HOT WATER/AIR)	\$ -	\$ -
2540	WATER & SEWAGE	\$ 47,965	\$ 44,083
<b>Total</b>		<b>\$ 596,989</b>	<b>\$ 546,492</b>



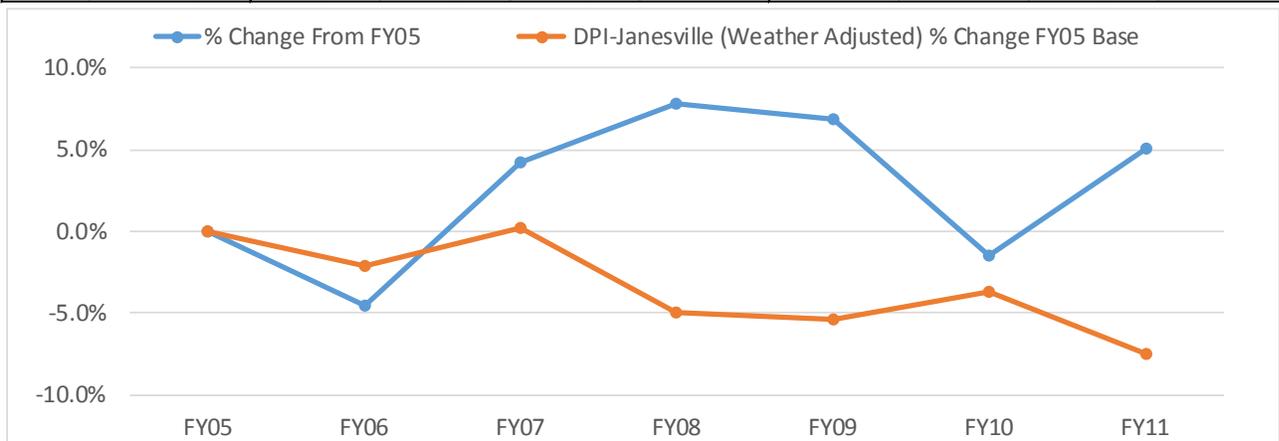
Department of Public Instruction									
Department of Public Instruction									
Fiscal Year	GSF	BTU/GSF				Weather-Adjusted			
		Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	441,183	74,517	23,484	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%



DPI-Delavan									
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%



DPI-Janesville									
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%



# Agency Energy Use Summary

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## ENERGY CONSUMPTION

**Total Change from Base - Weather Adjusted: 8.9 percent decrease.**

Energy use (BTU/GSF/Yr) for FY11 was 8.9 percent lower than in the base fiscal year, FY05.

**Latest Year Change - Weather Adjusted: 1.9 percent increase.**

Energy use (BTU/GSF/Yr) for FY11 increased 1.9 percent from the previous fiscal year.

***Average Annual Change - Weather Adjusted: 1.5 percent decrease per year.***

On average, energy use (BTU/GSF/Yr) has decreased 1.5 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.

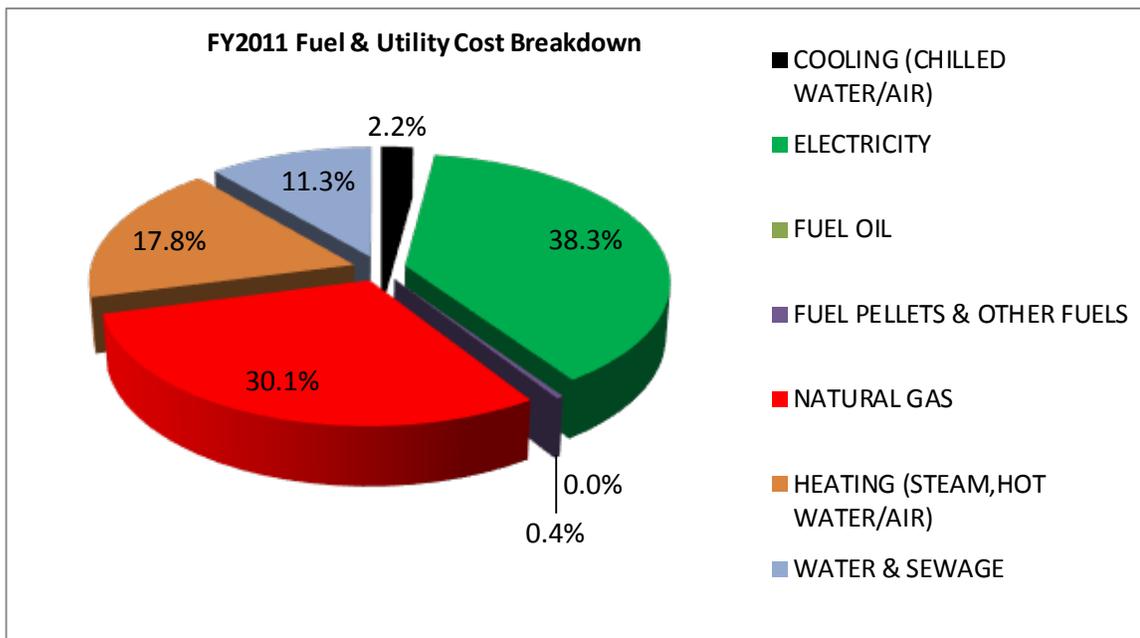
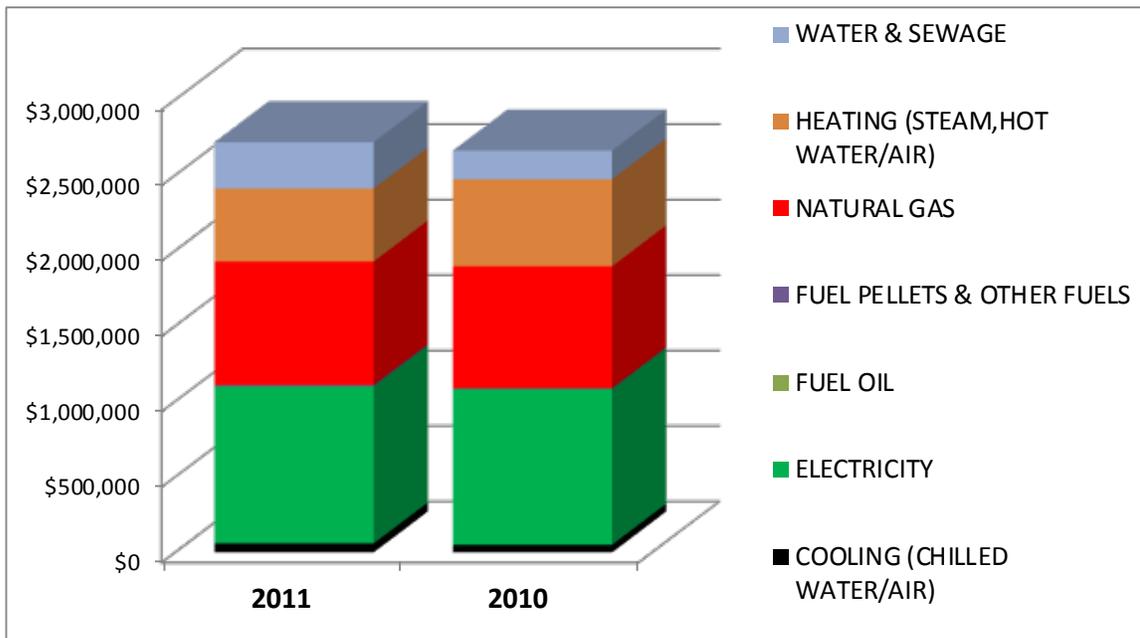
***Consumption Change from Base: 5 percent decrease.***

Total consumption was 5 percent less when compared to FY05. Total energy (million BTU) purchases in FY11 were 8.9 percent less than in the base year when adjusted for weather compared to FY05.

**Agency Name: Veterans Affairs, Department of (485)**

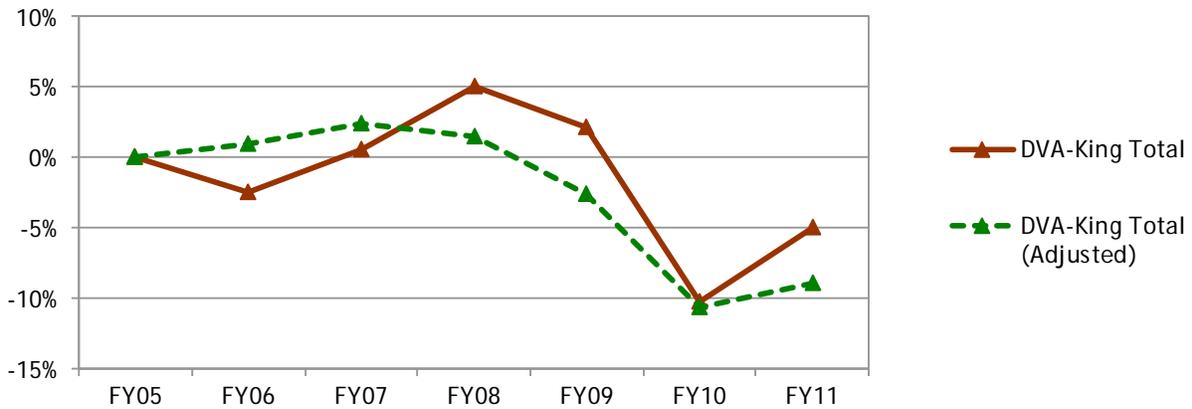
**Category Name: Fuel and Utilities**

Subcategory Code	Subcategory Name	Fiscal Year	
		2011	2010
2530	COOLING (CHILLED WATER/AIR)	\$ 59,579	\$ 50,683
2500	ELECTRICITY	\$ 1,040,579	\$ 1,032,655
3610	FUEL OIL	\$ -	\$ -
3620	FUEL PELLETS & OTHER FUELS	\$ 10,178	\$ 5,662
2510	NATURAL GAS	\$ 818,336	\$ 807,888
2520	HEATING (STEAM,HOT WATER/AIR)	\$ 483,473	\$ 576,860
2540	WATER & SEWAGE	\$ 307,269	\$ 190,203
<b>Total:</b>		<b>\$ 2,719,413</b>	<b>\$ 2,663,950</b>

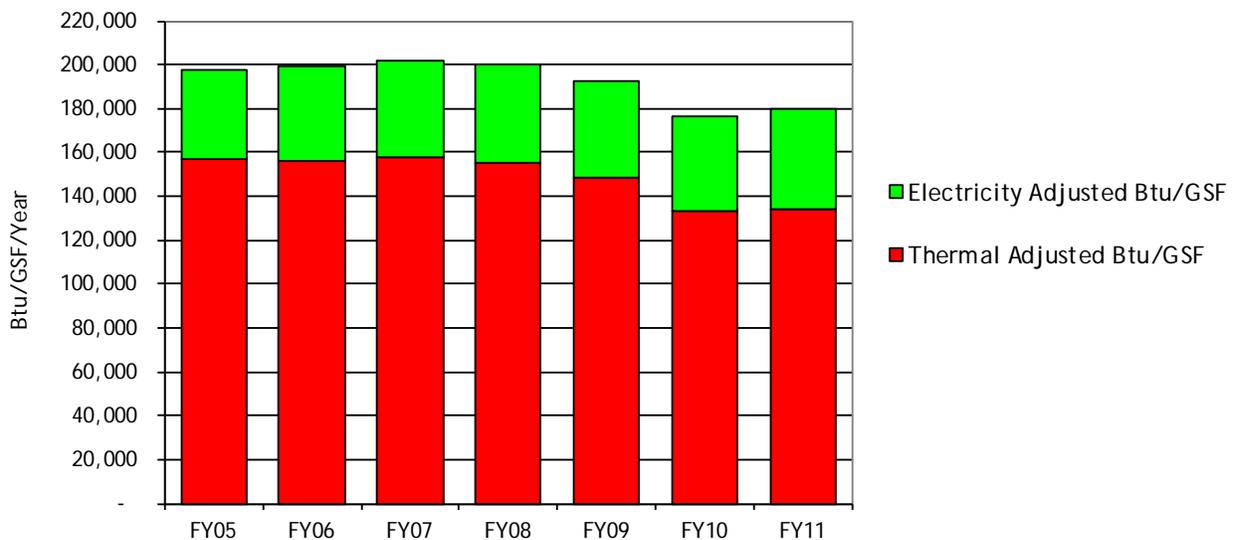


Department of Veterans Affairs Wisconsin Veterans Home at King									
Fiscal Year	GSF	BTU/GSF				Weather-Adjusted			
		Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	733,728	156,662	40,749	197,411	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%

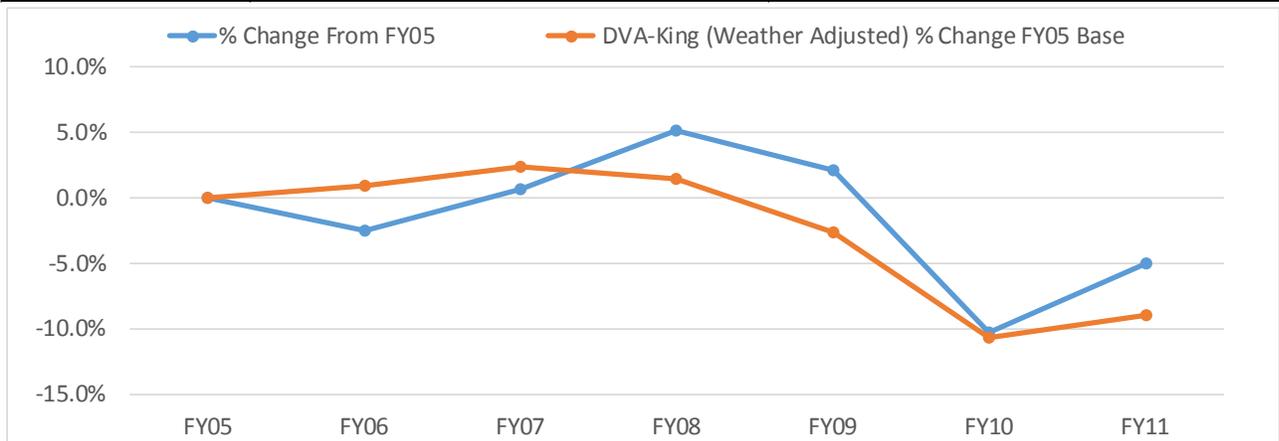
Percent Change from Base (BTU/GSF)



Department of Veterans Affairs Energy Usage (BTU/GSF)



DVA-King									
DVA-King		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	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%



# 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: 21.6 percent decrease.**

Energy use (BTU/GSF/Yr) for FY11 was 21.6 percent lower than in the base fiscal year, FY05.

**Latest Year Change - Weather Adjusted: 0 percent decrease.**

Energy use (BTU/GSF/Yr) for FY11 decreased 0 percent from the previous fiscal year.

***Average Annual Change - Weather Adjusted: 3.6 percent decrease per year.***

On average, energy use (BTU/GSF/Yr) has decreased 3.6 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.

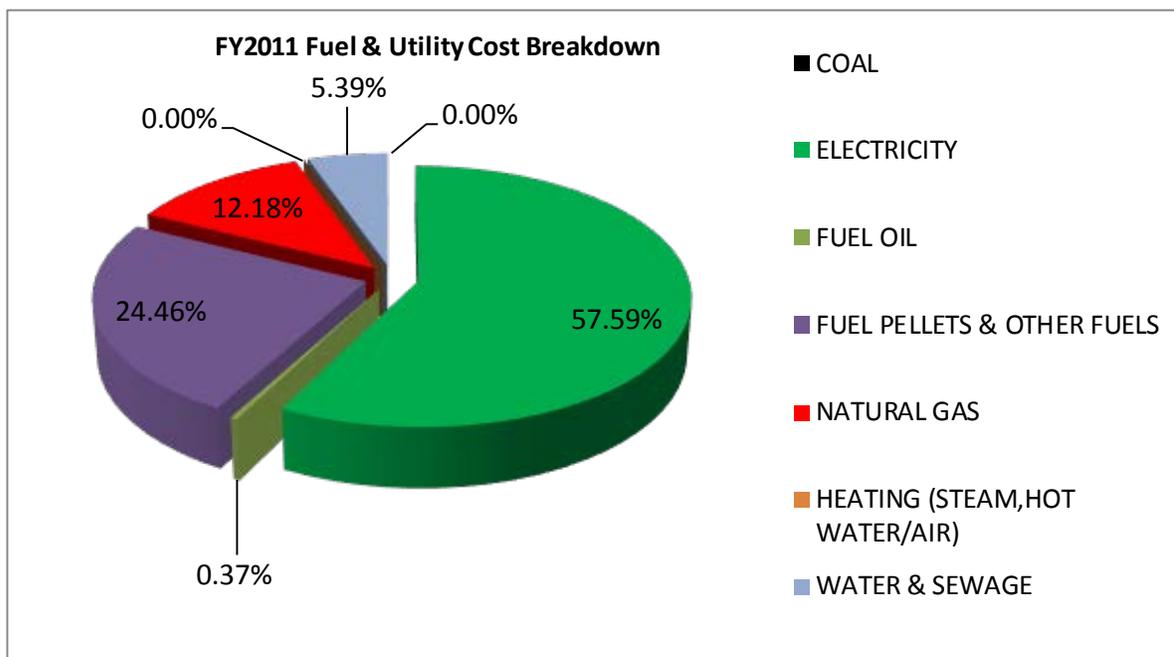
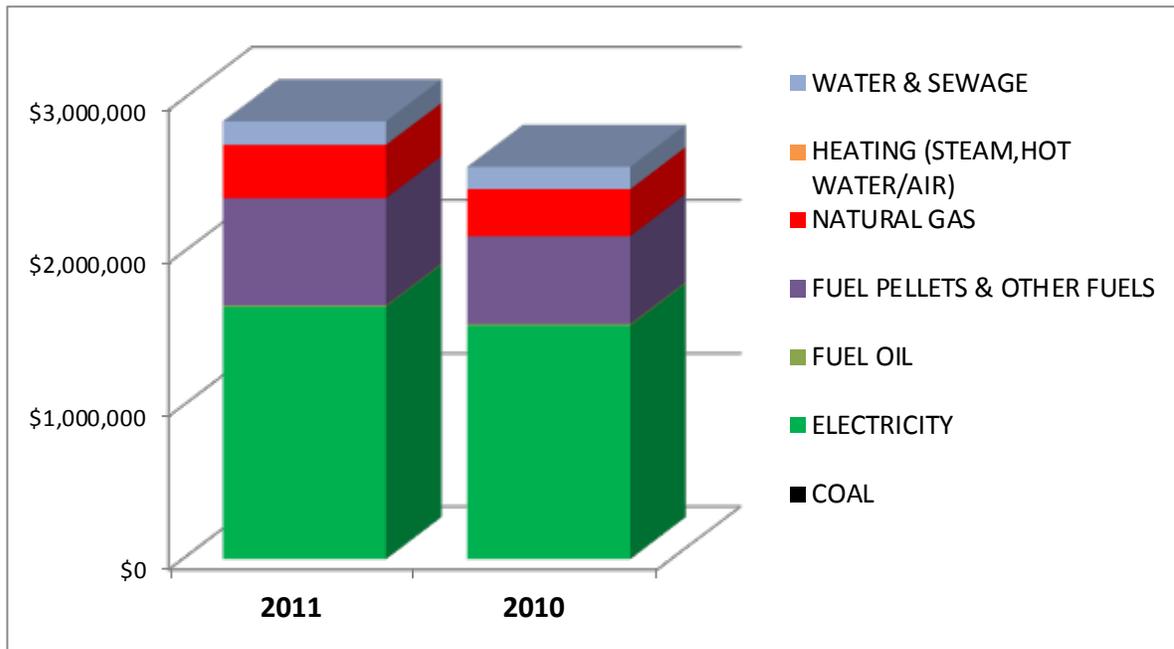
***Consumption Change from Base: 0.2 percent decrease.***

Total consumption was 0.2 percent less when compared to FY05. Total energy (million BTU) purchases in FY11 were 2.7 percent less than in the base year when adjusted for weather compared to FY05.

Agency Name: Natural Resources, Department of (370)

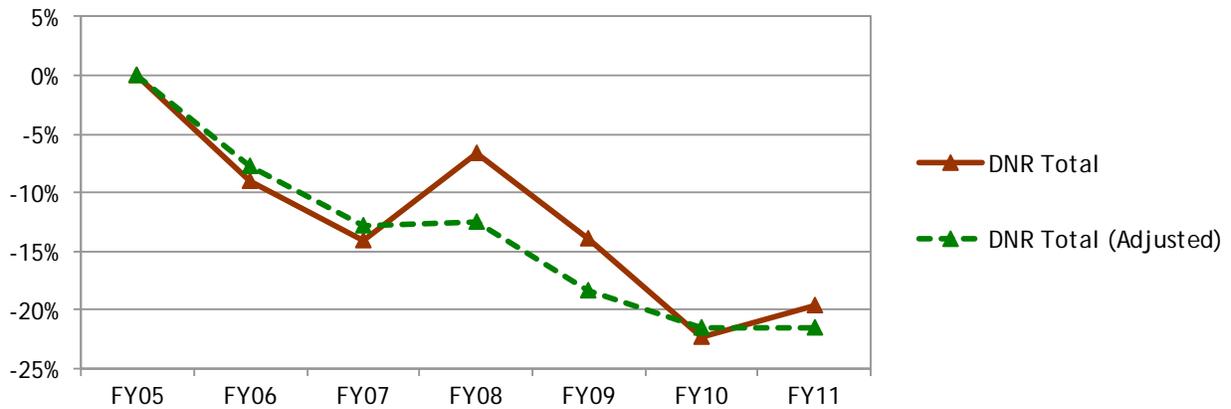
Category Name: Fuel and Utilities

Subcategory Code	Subcategory Name	Fiscal Year 2011	Fiscal Year 2010
3600	COAL	\$ -	\$ 144
2500	ELECTRICITY	\$ 1,646,165	\$ 1,524,230
3610	FUEL OIL	\$ 10,688	\$ 10,722
3620	FUEL PELLETS & OTHER FUELS	\$ 698,994	\$ 573,494
2510	NATURAL GAS	\$ 348,256	\$ 306,606
2520	HEATING (STEAM,HOT WATER/AIR)	\$ -	\$ -
2540	WATER & SEWAGE	\$ 154,169	\$ 145,106
<b>Total</b>		<b>\$ 2,858,272</b>	<b>\$ 2,560,302</b>

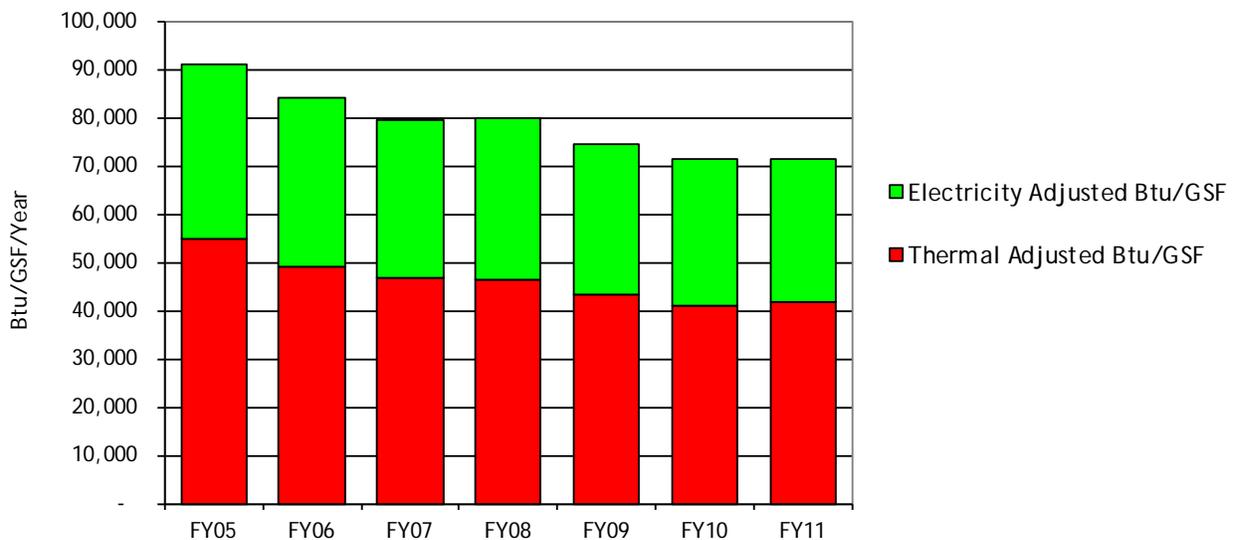


Department of Natural Resources									
DNR Total									
Fiscal Year	GSF	BTU/GSF				Weather-Adjusted			
		Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	143,537	54,673	36,265	90,938	0.0%	100.0%	100.0%	90,938	0.0%
FY06	178,097	47,581	35,179	82,760	-9.0%	103.1%	99.0%	83,877	-7.8%
FY07	178,097	45,636	32,530	78,167	-14.0%	102.7%	99.5%	79,236	-12.9%
FY08	178,097	50,995	33,942	84,937	-6.6%	91.0%	98.0%	79,637	-12.4%
FY09	178,097	46,820	31,459	78,279	-13.9%	92.3%	98.7%	74,264	-18.3%
FY10	178,097	40,280	30,374	70,654	-22.3%	101.6%	100.2%	71,363	-21.5%
FY11	178,097	43,051	30,075	73,126	-19.6%	96.9%	98.4%	71,332	-21.6%

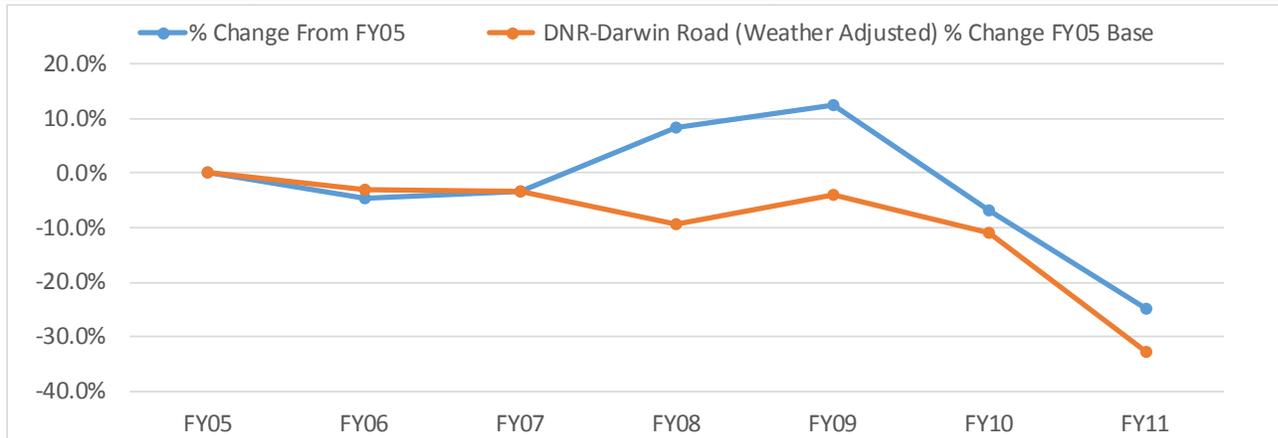
Percent Change from Base (BTU/GSF)



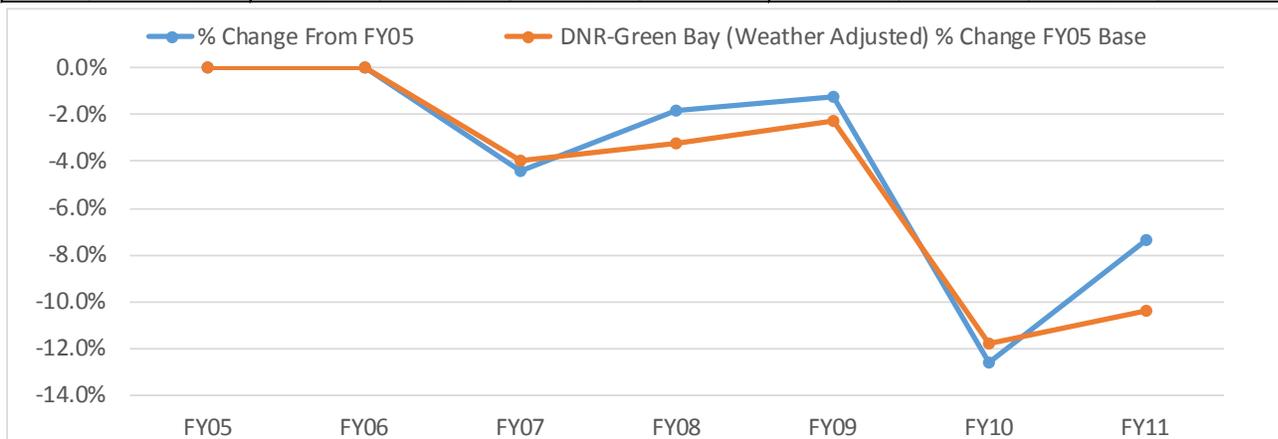
Department of Natural Resources Energy Usage (BTU/GSF)



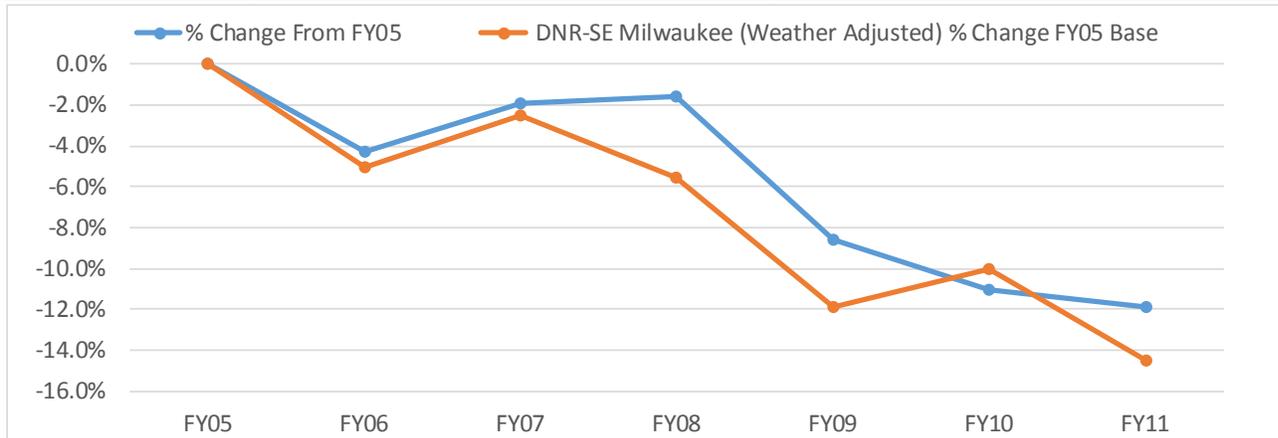
DNR-Darwin Road									
DNR-Darwin Road		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	24,820	47,047	22,255	69,301	0.0%	100.0%	100.0%	69,301	0.0%
FY06	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%



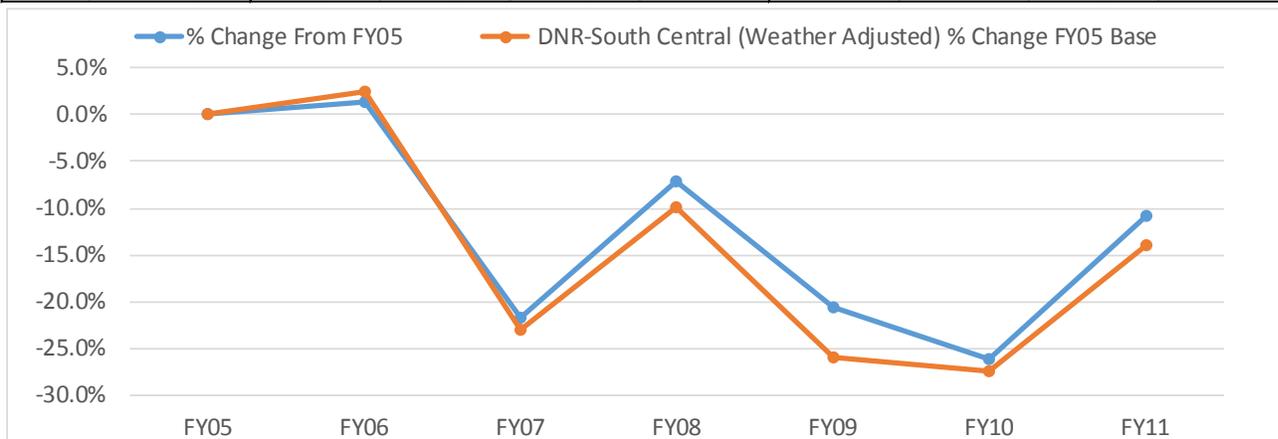
DNR-Green Bay									
DNR-Green Bay		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	-	-	-	-	0.0%	0.0%	0.0%	-	0.0%
FY06	34,560	21,413	30,196	51,608	0.0%	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%



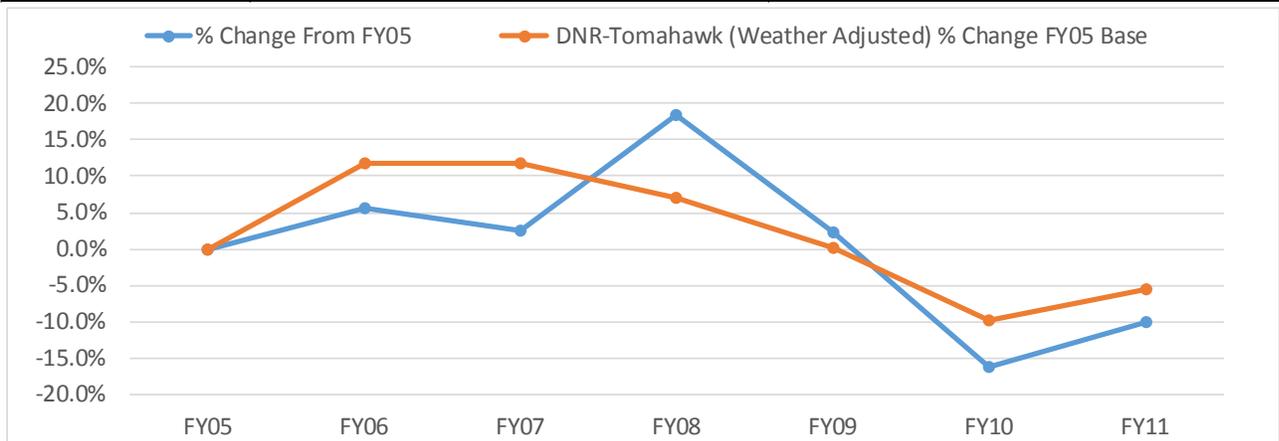
DNR-SE Milwaukee									
DNR-SE Milwaukee		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	48,000	56,758	50,237	106,995	0.0%	100.0%	100.0%	106,995	0.0%
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%



DNR-South Central									
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%



DNR-Tomahawk									
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%



# 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: 4.3 percent decrease.**

Energy use (BTU/GSF/Yr) for FY11 was 4.3 percent lower than in the base fiscal year, FY05.

**Latest Year Change - Weather Adjusted: 26 percent increase.**

Energy use (BTU/GSF/Yr) for FY11 increased 26 percent from the previous fiscal year.

***Average Annual Change - Weather Adjusted: 0.7 percent decrease per year.***

On average, energy use (BTU/GSF/Yr) has decreased 0.7 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.

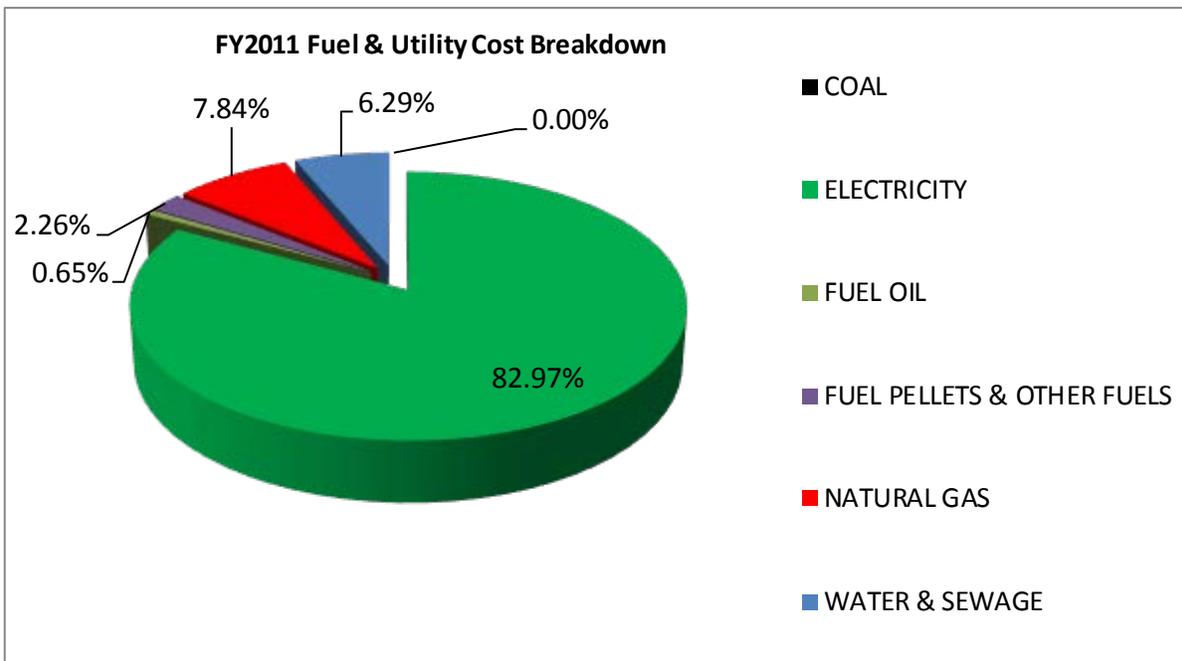
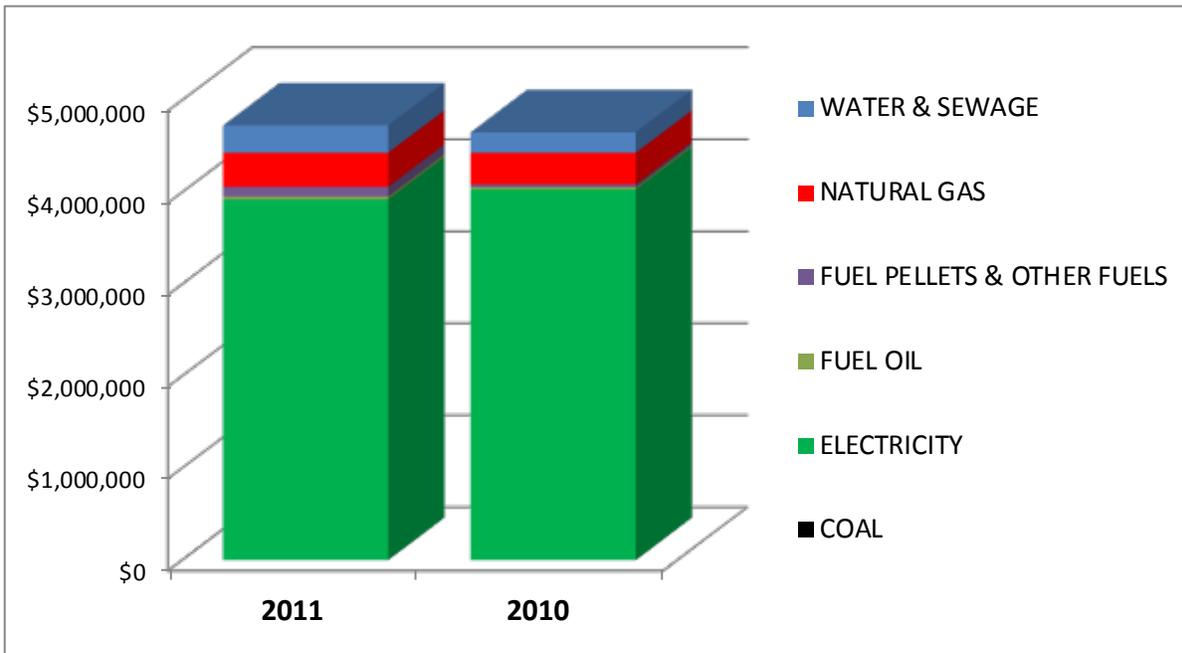
***Consumption Change from Base: 2.4 percent increase.***

Total consumption was 2.4 percent greater when compared to FY05. Total energy (million BTU) purchases in FY11 were 4.3 percent less than in the base year when adjusted for weather compared to FY05.

Agency Name: Transportation, Department of (395)

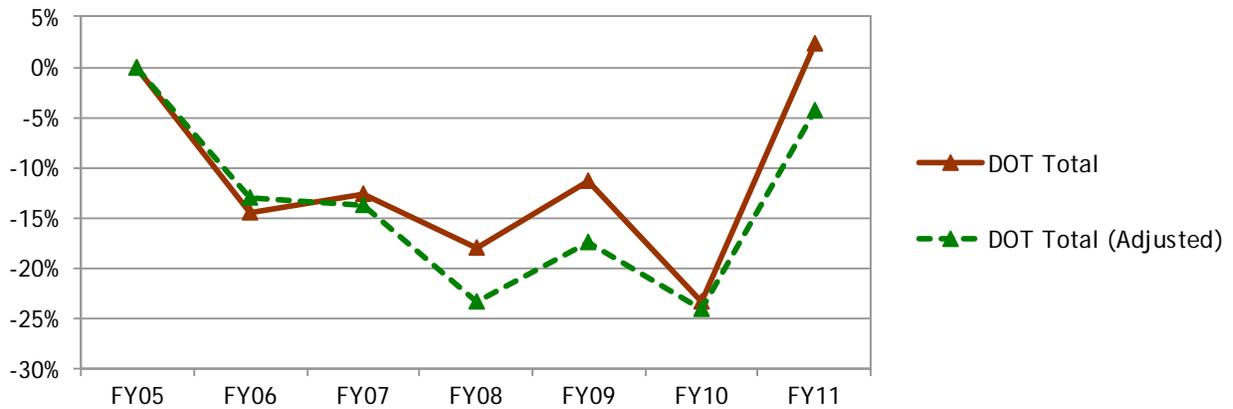
Category Name: Fuel and Utilities

Subcategory Code	Subcategory Name	Fiscal Year 2011	Fiscal Year 2010
3600	COAL	\$ -	\$ -
2500	ELECTRICITY	\$ 3,922,959	\$ 4,032,060
3610	FUEL OIL	\$ 30,526	\$ 23,308
3620	FUEL PELLETS & OTHER FUELS	\$ 106,829	\$ 30,935
2510	NATURAL GAS	\$ 370,517	\$ 343,529
2540	WATER & SEWAGE	\$ 297,334	\$ 223,610
<b>Total:</b>		<b>\$ 4,728,165</b>	<b>\$ 4,653,441</b>

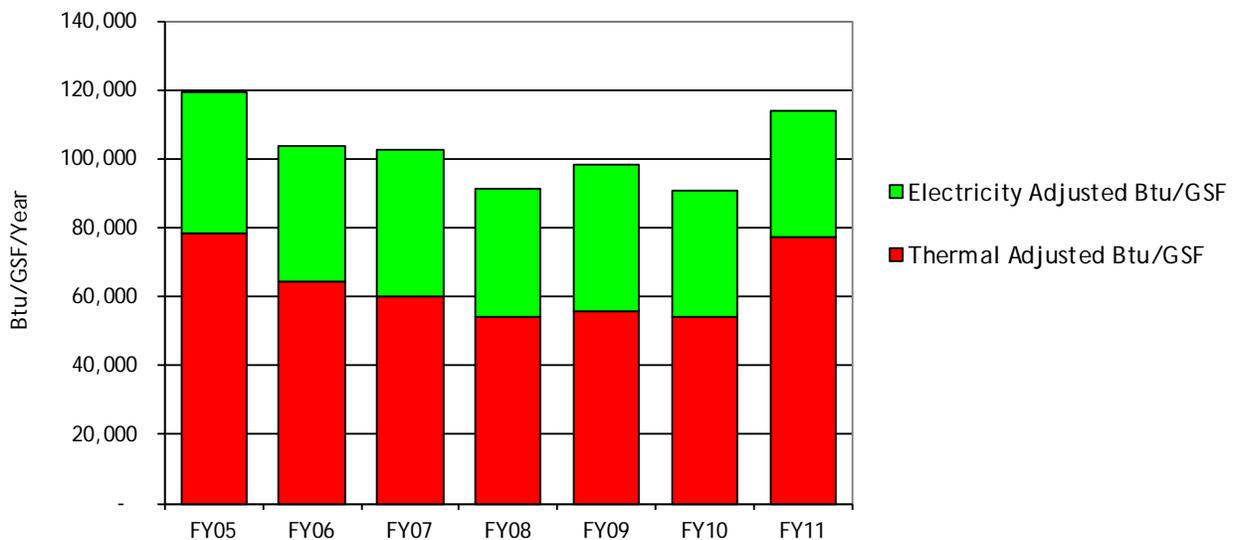


Department of Transportation DOT Total									
Fiscal Year	GSF	BTU/GSF				Weather-Adjusted			
		Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	303,373	78,586	40,562	119,148	0.0%	100.0%	100.0%	119,148	0.0%
FY06	303,373	62,872	39,056	101,928	-14.5%	102.6%	100.0%	103,575	-13.1%
FY07	303,373	61,354	42,757	104,111	-12.6%	97.8%	99.9%	102,745	-13.8%
FY08	303,373	60,505	37,287	97,793	-17.9%	89.4%	99.7%	91,230	-23.4%
FY09	303,373	63,146	42,591	105,737	-11.3%	88.3%	99.8%	98,270	-17.5%
FY10	303,373	55,108	36,287	91,395	-23.3%	98.4%	99.9%	90,492	-24.1%
FY11	303,373	85,021	36,943	121,964	2.4%	90.8%	99.7%	114,041	-4.3%

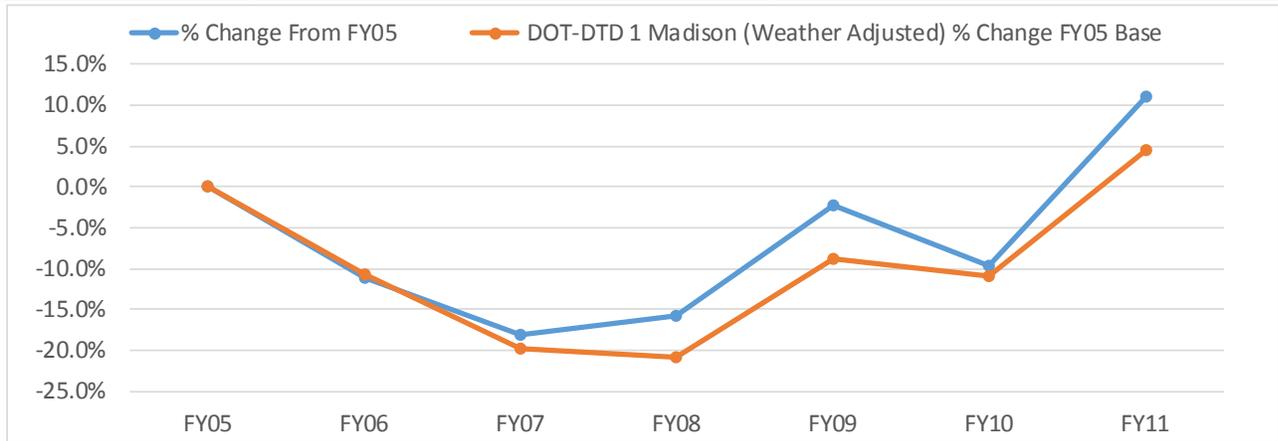
Percent Change from Base (BTU/GSF)



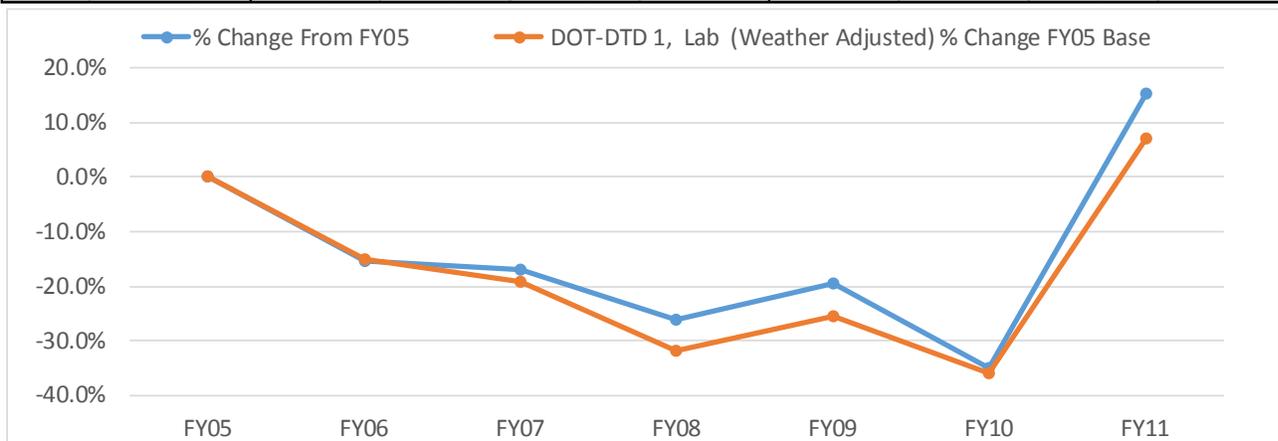
Department of Transportation Energy Usage (BTU/GSF)



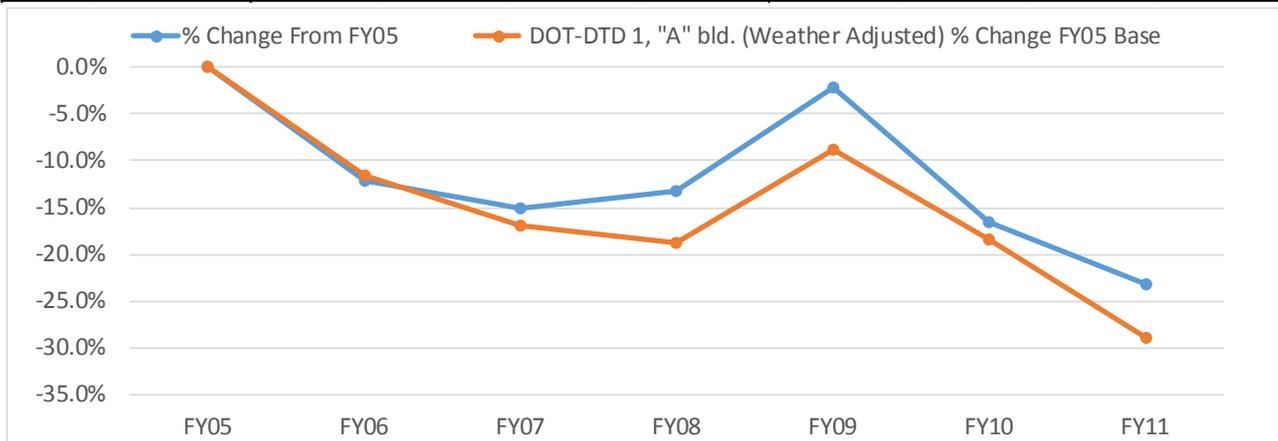
DOT-DTD 1 Madison									
DOT-DTD 1 Madison		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	56,000	73,271	47,700	120,972	0.0%	100.0%	100.0%	120,972	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%



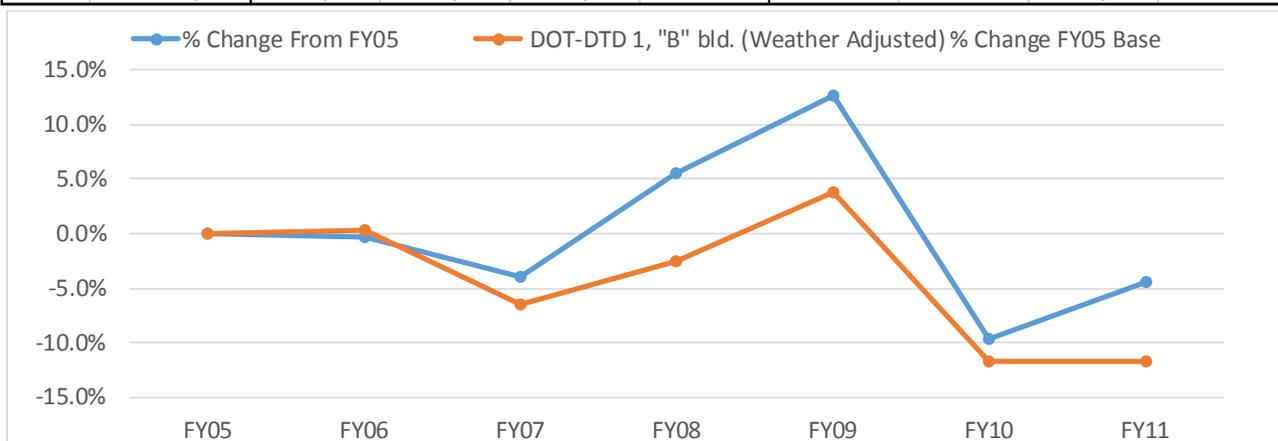
DOT-DTD 1, Lab									
DOT-DTD 1, Lab		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	43,000	244,686	83,733	328,419	0.0%	100.0%	100.0%	328,419	0.0%
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%



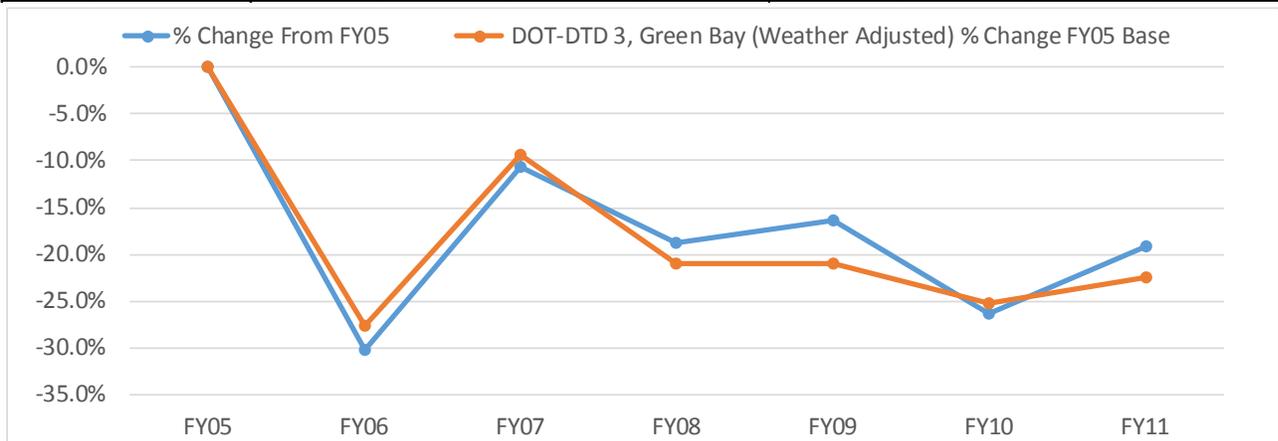
DOT-DTD 1, "A" bld.									
DOT-DTD 1, "A" bld.		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	51,700	21,795	16,588	38,383	0.0%	100.0%	100.0%	38,383	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%



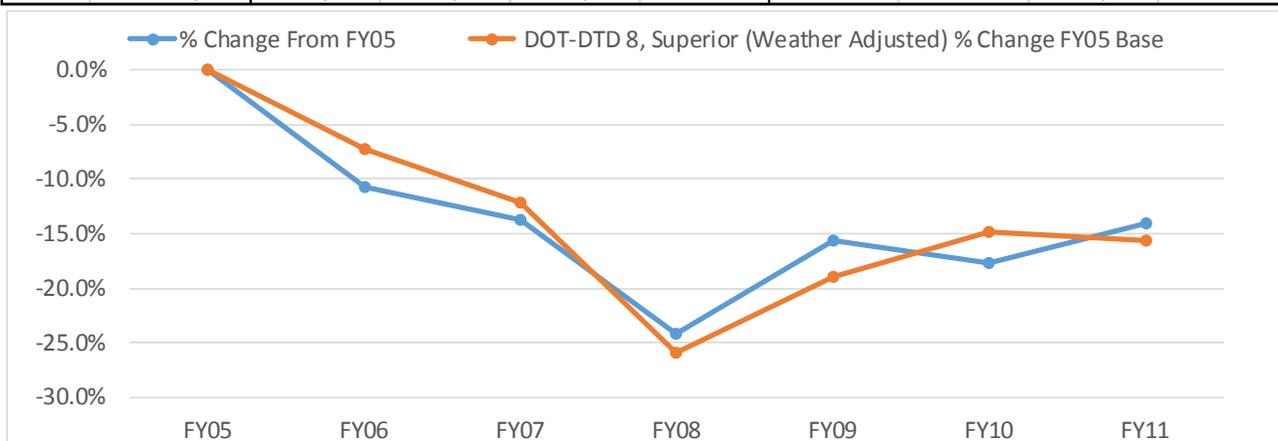
DOT-DTD 1, "B" bld.									
DOT-DTD 1, "B" bld.		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	51,200	34,129	18,468	52,596	0.0%	100.0%	100.0%	52,596	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%



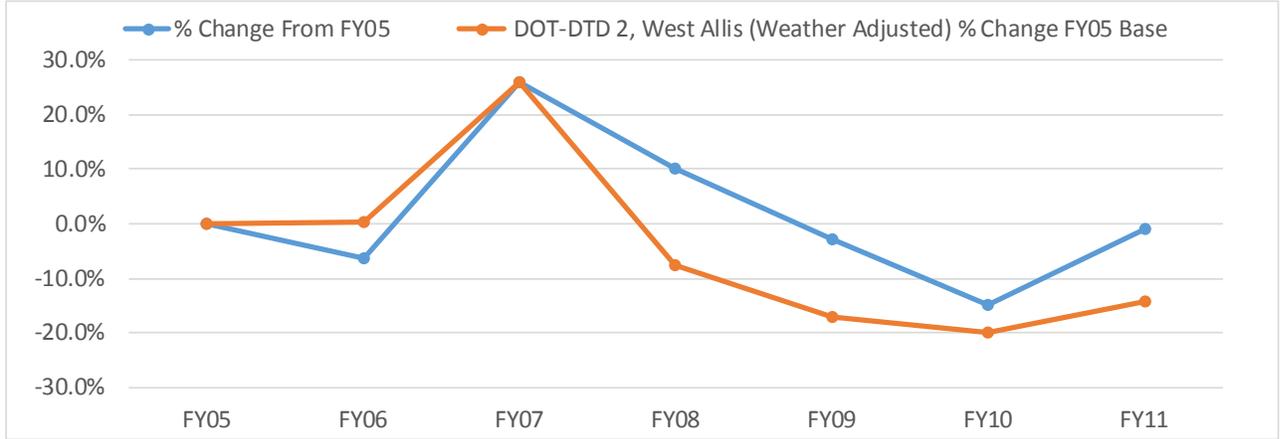
DOT-DTD 3, Green Bay									
DOT-DTD 3, Green Bay		BTU/GSF				Weather-Adjusted			
Fiscal Year	GSF	Thermal	Electricity	Total	% Change From FY05	Thermal Adjusted to FY05	Electric Adjusted to FY05	Total Adjusted Btu/GSF	Adjusted % Change From FY05
FY05	40,515	73,516	50,968	124,484	0.0%	100.0%	100.0%	124,484	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%



DOT-DTD 8, Superior									
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%



DOT-DTD 2, West Allis									
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%



# Agency Energy Use Summary

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## WHEDA

### SCOPE

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

### ENERGY CONSUMPTION

**Total Change from Base - Weather Adjusted: 10.5 percent decrease.**

Energy use (BTU/GSF/Yr) for FY11 was 10.5 percent lower than in the base fiscal year, FY05.

**Latest Year Change - Weather Adjusted: 1 percent decrease.**

Energy use (BTU/GSF/Yr) for FY11 decreased 1 percent from the previous fiscal year.

***Average Annual Change - Weather Adjusted: 1.7 percent decrease per year.***

On average, energy use (BTU/GSF/Yr) has decreased 1.7 percent since the base year, FY05.

### GSF AND CONSUMPTION STATISTICS

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

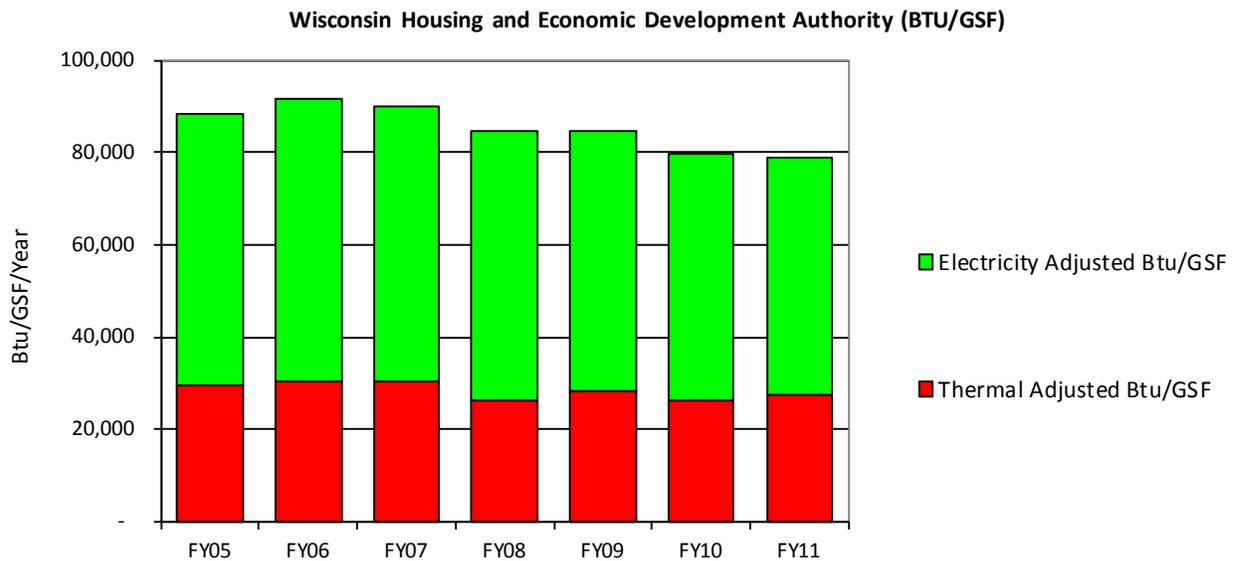
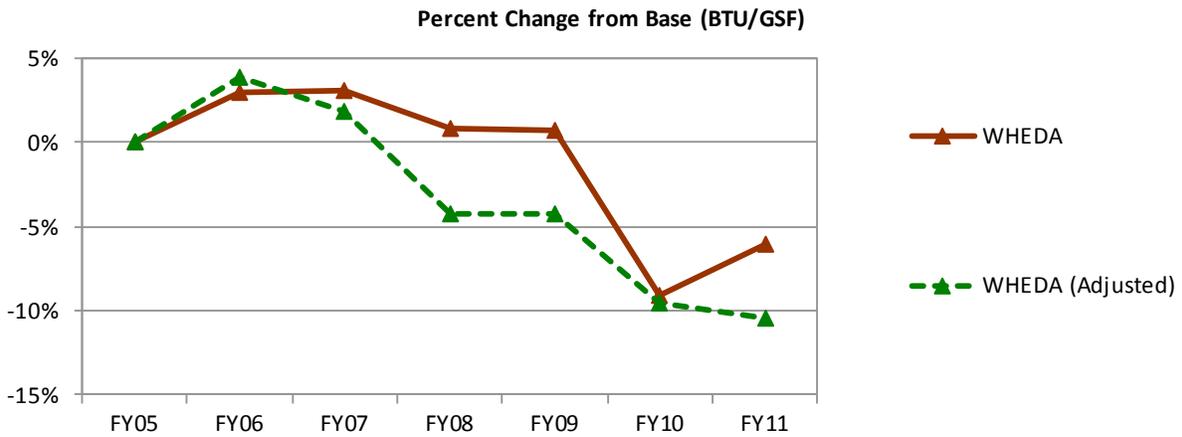
Gross square footage has not changed from the base fiscal year, FY05.

***Consumption Change from Base: 6.1 percent decrease.***

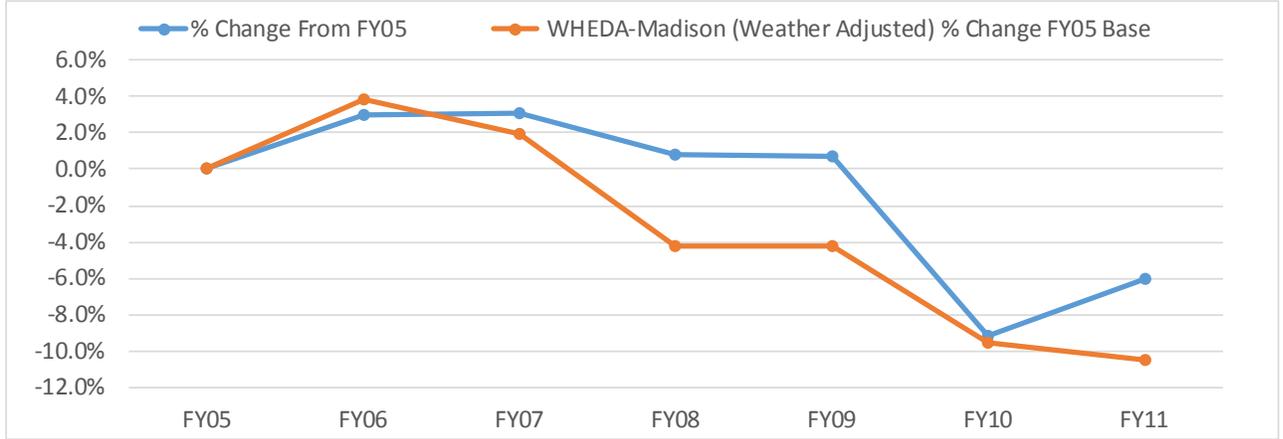
Total consumption was 6.1 percent less when compared to FY05. Total energy (million BTU) purchases in FY11 were 10.5 percent less than in the base year when adjusted for weather compared to FY05.

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

Wisconsin Housing and Economic Development Authority									
WHEHA									
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%



WHEDA-Madison									
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%



# 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: 57.9 percent decrease.**

Energy use (BTU/GSF/Yr) for FY11 was 57.9 percent lower than in the base fiscal year, FY05.

**Latest Year Change - Weather Adjusted: -10.8 percent decrease.**

Energy use (BTU/GSF/Yr) for FY11 decreased 10.8 percent from the previous fiscal year.

***Average Annual Change - Weather Adjusted: 9.7 percent decrease per year.***

On average, energy use (BTU/GSF/Yr) has decreased 9.7 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.

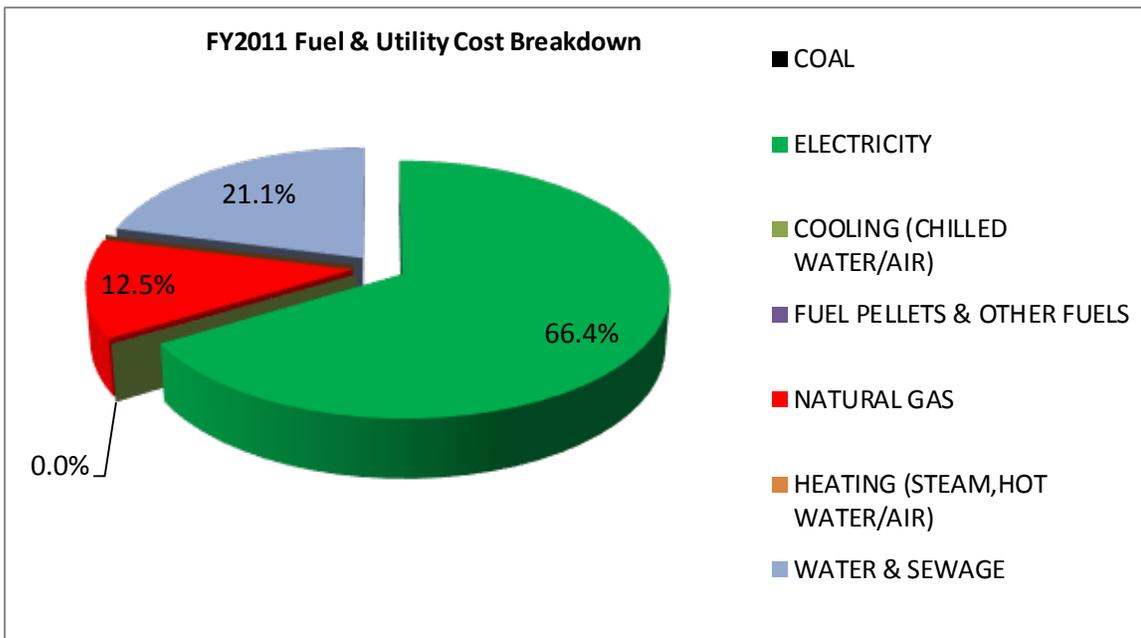
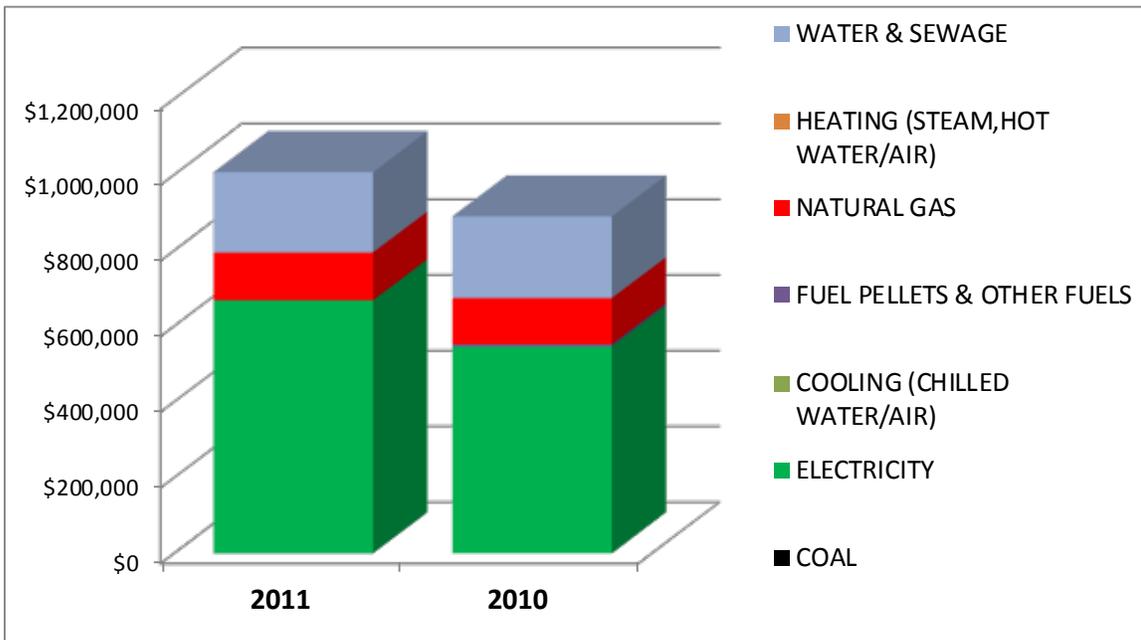
***Consumption Change from Base: 51.7 percent decrease.***

Total consumption was 51.7 percent less when compared to FY05. Total energy (million BTU) purchases in FY11 were 57.9 percent less than in the base year when adjusted for weather compared to FY05.

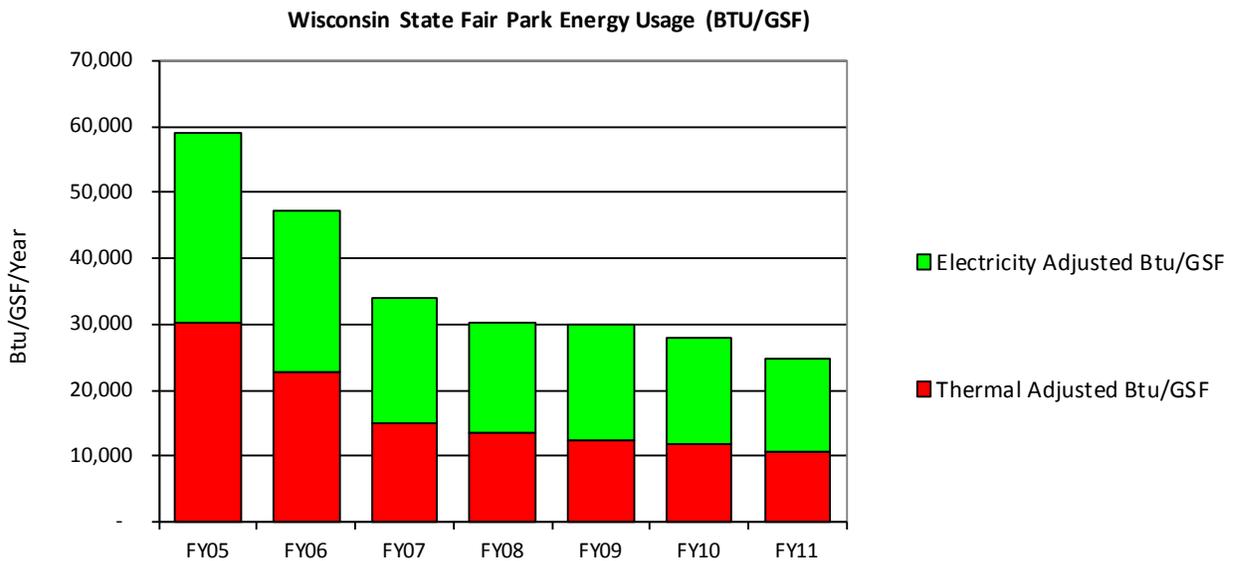
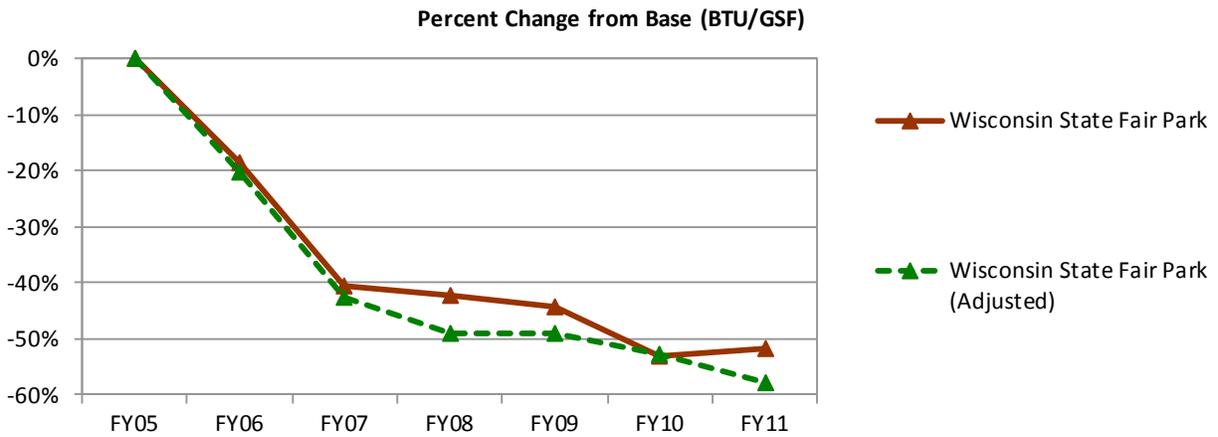
Agency Name: State Fair Park Board (190)

Category Name: Fuel and Utilities

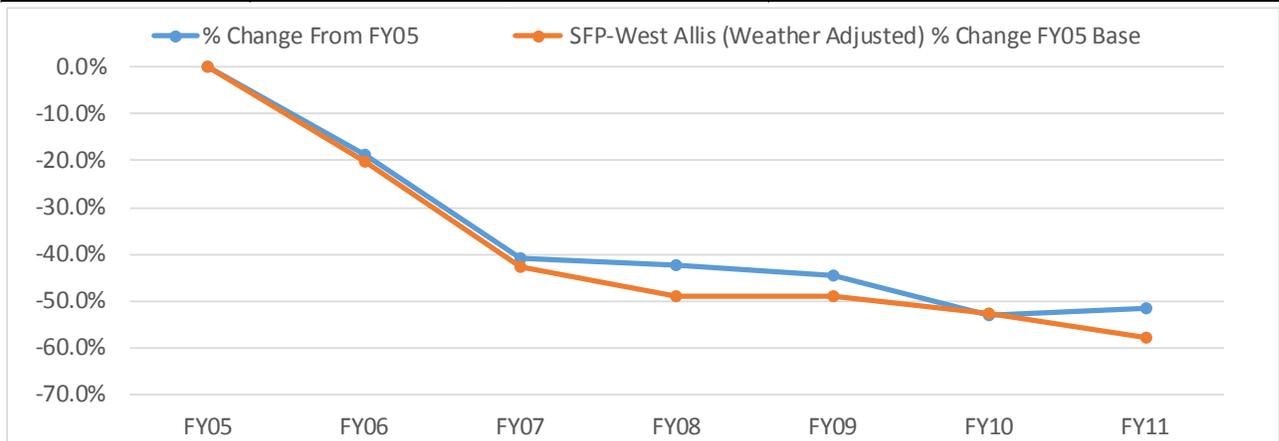
Subcategory Code	Subcategory Name	Fiscal Year 2011	Fiscal Year 2010
3600	COAL	\$ -	\$ -
2500	ELECTRICITY	\$ 668,586	\$ 546,285
2530	COOLING (CHILLED WATER/AIR)	\$ -	\$ -
3620	FUEL PELLETS & OTHER FUELS	\$ (169)	\$ 6,193
2510	NATURAL GAS	\$ 126,127	\$ 121,906
2520	HEATING (STEAM,HOT WATER/AIR)	\$ -	\$ -
2540	WATER & SEWAGE	\$ 212,050	\$ 215,828
<b>Total:</b>		<b>\$ 1,006,595</b>	<b>\$ 890,211</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%



SFP-West Allis									
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%



# Agency Energy Use Summary



## SCOPE

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

## ENERGY CONSUMPTION

**Total Change from Base - Weather Adjusted: 8.8 percent decrease.**

Energy use (BTU/GSF/Yr) for FY11 was 8.8 percent lower than in the base fiscal year, FY05.

**Latest Year Change - Weather Adjusted: -2.4 percent increase.**

Energy use (BTU/GSF/Yr) for FY11 increased 2.4 percent from the previous fiscal year.

**Average Annual Change - Weather Adjusted: 1.5 percent decrease per year.**

On average, energy use (BTU/GSF/Yr) has decreased 1.5 percent since the base year, FY05.

## GSF AND CONSUMPTION STATISTICS

**GSF Change from Base: 9.7 percent.**

Gross square footage has increased 9.7% from the base fiscal year, FY05.

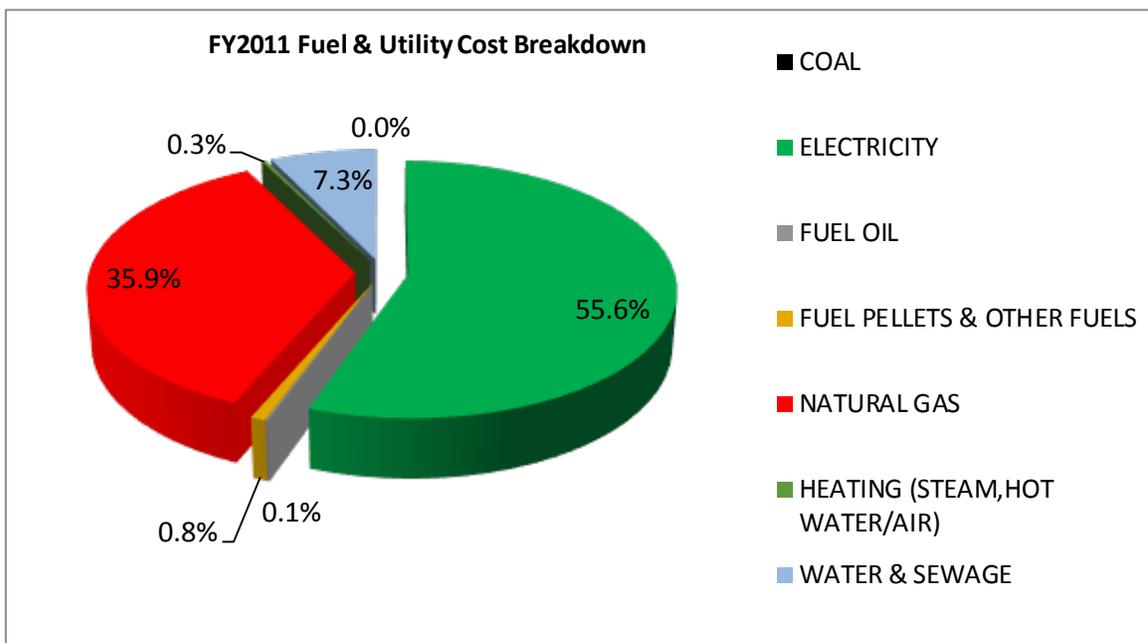
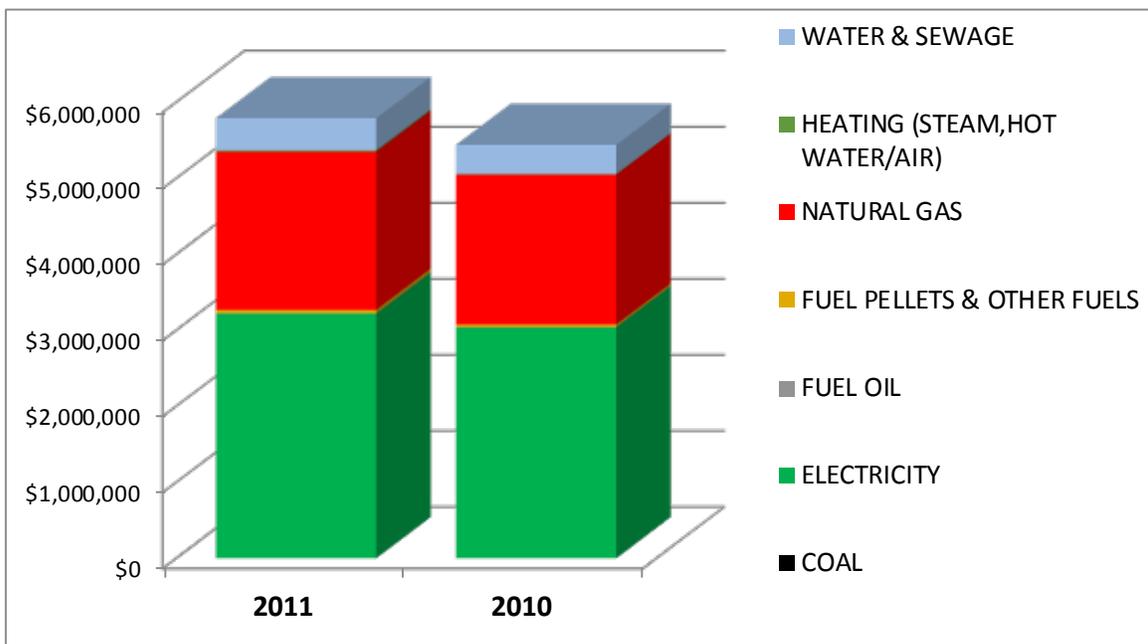
**Consumption Change from Base: 6.7 percent increase.**

Total consumption was 6.7 percent greater when compared to FY05. Total energy (million BTU) purchases in FY11 were 0 percent greater than in the base year when adjusted for weather compared to FY05.

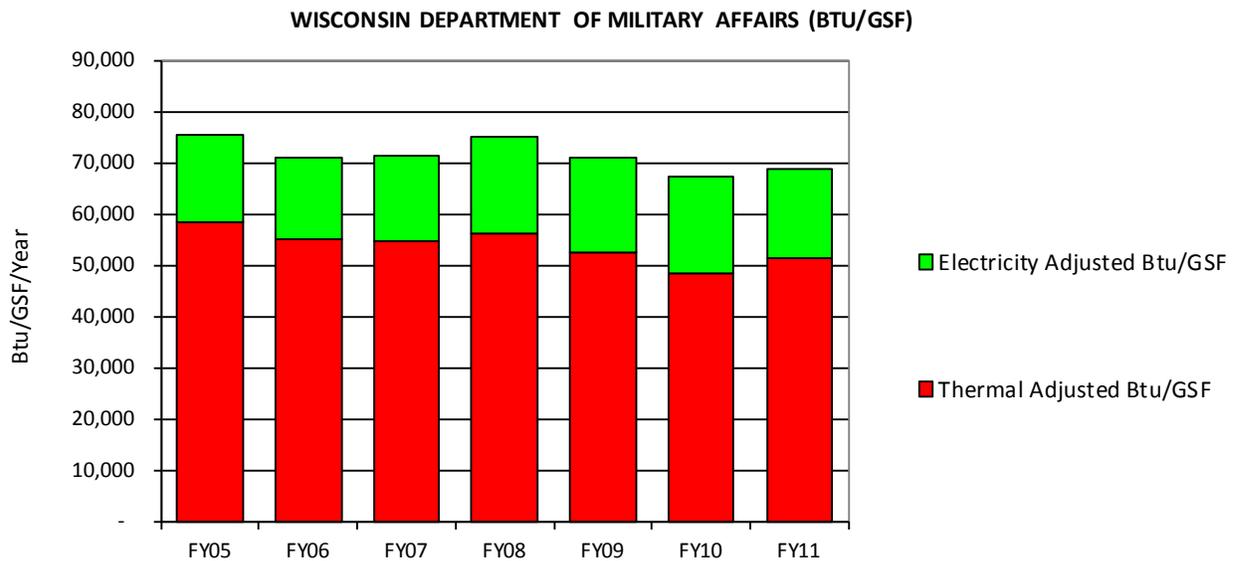
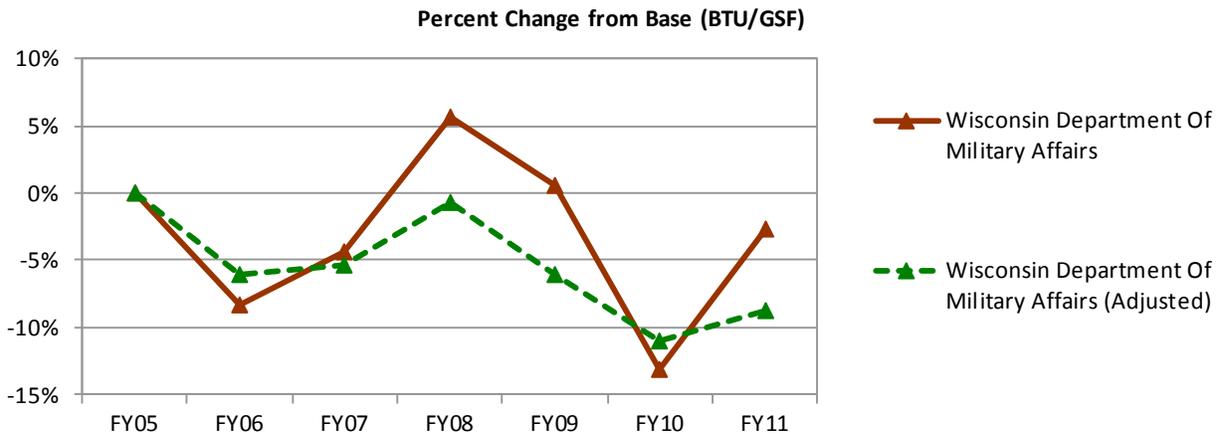
Agency Name: Military Affairs, Department of (465)

Category Name: Fuel and Utilities

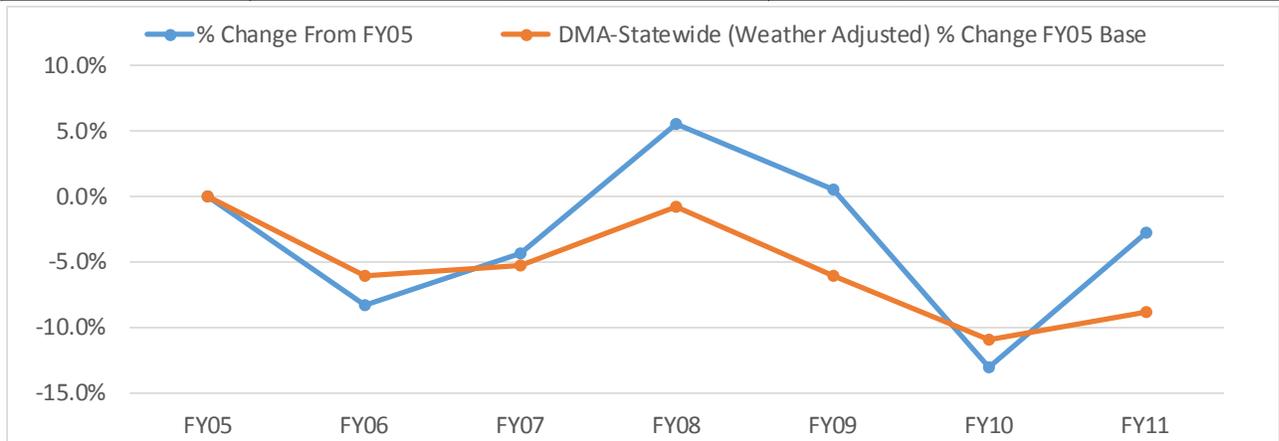
Subcategory Code	Subcategory Name	Fiscal Year 2011	Fiscal Year 2010
3600	COAL	\$ -	\$ -
2500	ELECTRICITY	\$ 3,217,520	\$ 3,037,903
3610	FUEL OIL	\$ 7,527	\$ 6,859
3620	FUEL PELLETS & OTHER FUELS	\$ 44,662	\$ 32,211
2510	NATURAL GAS	\$ 2,081,504	\$ 1,973,441
2520	HEATING (STEAM,HOT WATER/AIR)	\$ 16,823	\$ 4,890
2540	WATER & SEWAGE	\$ 422,464	\$ 384,624
<b>Total:</b>		<b>\$ 5,790,498</b>	<b>\$ 5,439,928</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%



DMA-Statewide									
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%



## 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.

### FY11 State Lab of Hygiene:

Building Area Gross Square Foot (GSF) = 77,505

Heating Energy Use = 300107 BTU per GSF

Electrical Energy Use = 196508 BTU per GSF

*Total Rate of Energy Use = 496615 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.

### FY11 DNR Northeast Regional Headquarter:

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

Heating Energy Use = 25885 BTU per GSF

Electrical Energy Use = 21930 BTU per GSF

*Total Rate of Energy Use = 47816 BTU per GSF*

### FY11 DOA Green Bay State Office Building:

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

Heating Energy Use = 20849 BTU per GSF

Electrical Energy Use = 27519 BTU per GSF

*Total Rate of Energy Use = 48368 BTU per GSF*

### Facilities Energy Use Performance

Agency	Facility	FY2011 GSF	FY2011 Thermal Adjusted Btu/GSF/Yr	FY2011 Electric Adjusted Btu/GSF/Yr	FY2011 Total Adjusted Btu/GSF/Yr	FY2005 Total Adjusted Btu/GSF/Yr	FY2011 Weather Adjusted Change From FY05	FY2010 Total Adjusted Btu/GSF/Yr	FY2011 Weather Adjusted Change From FY10
UW	Eau Claire	2,436,963	88,819	33,311	122,130	149,148	-18.1%	120,265	1.6%
UW	Green Bay	1,386,055	80,606	42,515	123,122	174,522	-29.5%	121,870	1.0%
UW	La Crosse	2,261,088	109,903	40,246	150,148	150,442	-0.2%	137,967	8.8%
UW	Madison	21,120,379	187,117	73,604	260,721	303,901	-14.2%	274,182	-4.9%
UW	Milwaukee	4,344,925	112,221	50,620	162,840	171,927	-5.3%	176,750	-7.9%
UW	Oshkosh	2,892,390	86,181	34,053	120,234	136,452	-11.9%	129,260	-7.0%
UW	Parkside	1,190,505	96,766	42,904	139,670	146,123	-4.4%	135,620	3.0%
UW	Platteville	2,070,851	101,026	37,764	138,790	139,216	-0.3%	130,196	6.6%
UW	River Falls	1,686,708	76,371	26,965	103,336	124,558	-17.0%	104,008	-0.6%
UW	Stevens Point	2,463,548	112,308	36,306	148,615	164,136	-9.5%	144,303	3.0%
UW	Stout	2,433,320	84,061	31,420	115,481	113,062	2.1%	111,798	3.3%
UW	Superior	1,032,741	133,104	32,403	165,507	162,010	2.2%	161,867	2.2%
UW	Whitewater	2,922,323	88,249	38,215	126,464	145,867	-13.3%	127,394	-0.7%
UW	Baraboo	151,015	47,243	32,537	79,780	88,823	-10.2%	80,652	-1.1%
UW	Barron	146,683	56,775	24,977	81,752	93,920	-13.0%	81,121	0.8%
UW	Fond du Lac	194,077	36,252	20,996	57,248	94,053	-39.1%	58,888	-2.8%
UW	Fox Valley	274,078	54,225	42,432	96,657	113,923	-15.2%	99,271	-2.6%
UW	Manitowoc	125,045	40,036	23,374	63,409	74,988	-15.4%	62,528	1.4%
UW	Marathon	327,695	66,135	30,899	97,034	119,478	-18.8%	98,664	-1.7%
UW	Marinette	107,988	79,581	28,778	108,359	131,496	-17.6%	105,504	2.7%
UW	Marshfield	149,996	63,130	28,182	91,312	105,100	-13.1%	93,538	-2.4%
UW	Richland	108,760	38,267	17,114	55,380	116,252	-52.4%	63,443	-12.7%
UW	Rock	191,592	52,220	18,218	70,438	73,445	-4.1%	70,399	0.1%
UW	Sheboygan	200,918	74,988	33,164	108,152	102,754	5.3%	111,235	-2.8%
UW	Washington	199,038	38,680	27,496	66,177	75,321	-12.1%	69,317	-4.5%
UW	Waukesha	277,016	46,498	32,737	79,235	94,752	-16.4%	81,022	-2.2%
<b>UW</b>	<b>Sub-Total</b>	<b>50,695,697</b>	<b>132,698</b>	<b>52,492</b>	<b>185,190</b>	<b>210,471</b>	<b>-12.0%</b>	<b>190,903</b>	<b>-3.0%</b>
DOA	Capitol Complex	2,013,307	68,193	44,853	113,046	169,826	-33.4%	129,825	-12.9%
DOA	Hill Farms	644,904	107,218	61,608	168,825	185,875	-9.2%	170,531	-1.0%
DOA	Air Services	17,898	84,850	18,426	103,276	115,262	-10.4%	110,693	-6.7%
DOA	Badger Road	50,842	44,692	40,441	85,133	107,943	-21.1%	85,312	-0.2%
DOA	Central Services	147,700	69,828	44,613	114,441	114,343	0.1%	111,855	2.3%
DOA	Eau Claire SOB	56,206	31,857	31,430	63,287	77,936	-18.8%	66,174	-4.4%
DOA	Executive Residence	23,455	55,213	31,649	86,862	122,168	-28.9%	86,597	0.3%
DOA	Green Bay SOB	69,206	18,883	27,086	45,969	57,083	-19.5%	47,090	-2.4%
DOA	La Crosse SOB	45,965	26,922	30,335	57,258	67,468	-15.1%	57,555	-0.5%
DOA	Milwaukee SOB	201,200	30,857	34,996	65,852	76,115	-13.5%	57,358	14.8%
DOA	SE Crime Lab	43,935	68,414	69,445	137,859	120,490	14.4%	132,944	3.7%
DOA	Public Broadcasting	48,246	111,962	100,526	212,488	258,351	-17.8%	209,885	1.2%
DOA	State Ag	118,011	36,739	37,393	74,132	90,538	-18.1%	77,351	-4.2%
DOA	State Hygiene Lab	77,505	283,745	193,693	477,438	473,969	0.7%	464,835	2.7%
DOA	State Revenue	247,224	10,785	34,215	45,001	134,734	-66.6%	46,874	-4.0%
DOA	Waukesha SOB	169,976	26,707	46,402	73,109	101,737	-28.1%	73,414	-0.4%
DOA	WI Rapids SOB	51,552	46,147	36,007	82,153	78,136	5.1%	81,361	1.0%
<b>DOA</b>	<b>Sub-Total</b>	<b>4,027,132</b>	<b>68,709</b>	<b>49,007</b>	<b>117,716</b>	<b>157,840</b>	<b>-25.4%</b>	<b>125,839</b>	<b>-6.5%</b>
DOC	Columbia	330,807	89,920	52,070	141,989	162,805	-12.8%	140,914	0.8%
DOC	Ethan Allen	330,287	137,090	32,514	169,604	169,270	0.2%	179,271	-5.4%
DOC	Fox Lake	533,407	142,275	39,289	181,564	189,382	-4.1%	191,390	-5.1%
DOC	Green Bay	453,750	133,392	31,164	164,556	178,856	-8.0%	155,167	6.1%
DOC	Jackson	390,613	109,879	48,555	158,434	179,907	-11.9%	156,695	1.1%

### Facilities Energy Use Performance

Agency	Facility	FY2011 GSF	FY2011 Thermal Adjusted Btu/GSF/Yr	FY2011 Electric Adjusted Btu/GSF/Yr	FY2011 Total Adjusted Btu/GSF/Yr	FY2005 Total Adjusted Btu/GSF/Yr	FY2011 Weather Adjusted Change From FY05	FY2010 Total Adjusted Btu/GSF/Yr	FY2011 Weather Adjusted Change From FY10
DOC	Kettle Moraine	361,612	139,884	51,909	191,793	193,413	-0.8%	183,848	4.3%
DOC	Lincoln Hills	249,792	123,015	30,033	153,048	154,781	-1.1%	152,722	0.2%
DOC	Milwaukee Secure	413,011	38,092	38,346	76,439	88,479	-13.6%	77,104	-0.9%
DOC	New Lisbon	316,878	122,060	63,063	185,123	224,158	-17.4%	181,444	2.0%
DOC	Oakhill	348,153	136,181	35,768	171,948	157,326	9.3%	184,926	-7.0%
DOC	Oshkosh	890,187	115,163	40,827	155,990	154,357	1.1%	151,364	3.1%
DOC	Prairie du Chien	383,100	103,867	17,467	121,333	121,679	-0.3%	120,630	0.6%
DOC	Racine Youth	207,697	88,078	38,779	126,857	123,239	2.9%	111,177	14.1%
DOC	Racine	409,046	110,117	60,514	170,631	174,029	-2.0%	174,333	-2.1%
DOC	Redgranite	310,135	134,603	58,386	192,989	213,425	-9.6%	195,642	-1.4%
DOC	Boscobel	195,000	138,342	66,974	205,316	183,488	11.9%	186,696	10.0%
DOC	Stanley	411,897	131,446	53,019	184,465	204,540	-9.8%	165,713	11.3%
DOC	Sturtevant	93,312	119,810	57,445	177,255	185,937	-4.7%	199,771	-11.3%
DOC	Taycheedah	380,940	77,330	36,925	114,256	118,910	-3.9%	119,836	-4.7%
DOC	Waupun	1,260,274	201,311	44,003	245,314	245,233	0.0%	245,612	-0.1%
<b>DOC</b>	<b>Sub-Total</b>	<b>8,269,898</b>	<b>128,218</b>	<b>43,568</b>	<b>171,786</b>	<b>178,066</b>	<b>-3.5%</b>	<b>170,749</b>	<b>0.6%</b>
DHS	Mendota	1,372,434	222,669	35,348	258,018	262,179	-1.6%	251,450	2.6%
DHS	Northern Center	721,377	113,477	23,402	136,879	186,667	-26.7%	142,508	-3.9%
DHS	Sand Ridge	339,814	78,532	41,215	119,748	151,656	-21.0%	117,304	2.1%
DHS	Southern Center	1,061,743	141,428	34,066	175,493	186,739	-6.0%	178,140	-1.5%
DHS	Winnebago	955,036	128,811	37,154	165,966	168,101	-1.3%	155,541	6.7%
<b>DHS</b>	<b>Sub-Total</b>	<b>4,450,404</b>	<b>154,441</b>	<b>33,941</b>	<b>188,382</b>	<b>205,480</b>	<b>-8.3%</b>	<b>185,477</b>	<b>1.6%</b>
DPI	Delavan	244,979	68,848	26,149	94,997	101,462	-6.4%	97,004	-2.1%
DPI	Janesville	196,204	69,322	17,356	86,677	93,680	-7.5%	90,209	-3.9%
<b>DPI</b>	<b>Sub-Total</b>	<b>441,183</b>	<b>69,058</b>	<b>22,239</b>	<b>91,297</b>	<b>98,001</b>	<b>-6.8%</b>	<b>93,982</b>	<b>-2.9%</b>
DVA	King	733,728	134,231	45,548	179,779	197,411	-8.9%	176,469	1.9%
<b>DVA</b>	<b>Sub-Total</b>	<b>733,728</b>	<b>134,231</b>	<b>45,548</b>	<b>179,779</b>	<b>197,411</b>	<b>-8.9%</b>	<b>176,469</b>	<b>1.9%</b>
DNR	Tomahawk	36,741	46,564	24,227	70,790	75,049	-5.7%	67,620	4.7%
DNR	SE Milwaukee	48,000	48,942	42,546	91,488	106,995	-14.5%	96,286	-5.0%
DNR	Darwin Road	24,820	26,461	20,072	46,533	69,301	-32.9%	61,823	-24.7%
DNR	Green Bay	34,560	24,654	21,597	46,252	51,608	-10.4%	45,537	1.6%
DNR	South Central	33,976	54,812	32,255	87,067	101,241	-14.0%	73,437	18.6%
<b>DNR</b>	<b>Sub-Total</b>	<b>178,097</b>	<b>41,725</b>	<b>29,607</b>	<b>71,332</b>	<b>90,938</b>	<b>-21.6%</b>	<b>71,363</b>	<b>0.0%</b>
DOT	DTD 3, Green Bay	40,515	50,649	45,937	96,587	124,484	-22.4%	93,043	3.8%
DOT	DTD 8, Superior	28,978	58,323	46,828	105,150	124,544	-15.6%	106,166	-1.0%
DOT	DTD 2, West Allis	31,980	25,268	26,310	51,578	60,039	-14.1%	48,089	7.3%
DOT	DTD 1, "A" bld.	51,700	21,572	5,713	27,285	38,383	-28.9%	31,322	-12.9%
DOT	DTD 1, "B" bld.	51,200	37,728	8,694	46,422	52,596	-11.7%	46,466	-0.1%
DOT	DTD 1, Lab	43,000	266,352	85,237	351,589	328,419	7.1%	210,191	67.3%
DOT	DTD 1 Madison	56,000	78,010	48,444	126,453	120,972	4.5%	107,717	17.4%
<b>DOT</b>	<b>Sub-Total</b>	<b>303,373</b>	<b>77,195</b>	<b>36,846</b>	<b>114,041</b>	<b>119,148</b>	<b>-4.3%</b>	<b>90,492</b>	<b>26.0%</b>
WHEDA	Madison	161,000	27,543	51,599	79,142	88,411	-10.5%	79,941	-1.0%
<b>WHEDA</b>	<b>Sub-Total</b>	<b>161,000</b>	<b>27,543</b>	<b>51,599</b>	<b>79,142</b>	<b>88,411</b>	<b>-10.5%</b>	<b>79,941</b>	<b>-1.0%</b>
SFP	West Allis	640,976	10,524	14,336	24,860	59,100	-57.9%	27,883	-10.8%
<b>SFP</b>	<b>Sub-Total</b>	<b>640,976</b>	<b>10,524</b>	<b>14,336</b>	<b>24,860</b>	<b>59,100</b>	<b>-57.9%</b>	<b>27,883</b>	<b>-10.8%</b>
DMA	Statewide	3,450,787	51,455	17,433	68,888	75,534	-8.8%	67,251	2.4%
<b>DMA</b>	<b>Sub-Total</b>	<b>3,450,787</b>	<b>51,455</b>	<b>17,433</b>	<b>68,888</b>	<b>75,534</b>	<b>-8.8%</b>	<b>67,251</b>	<b>2.4%</b>
<b>State</b>	<b>Sum of Facilities</b>	<b>73,352,275</b>	<b>124,060.94</b>	<b>47,812.46</b>	<b>171,873</b>	<b>193,801</b>	<b>-11.3%</b>	<b>175,678</b>	<b>-2.2%</b>

## Key

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FY11 ELECTRICITY USE (BTU/GSF/YR) gives the rate of electricity use with 3413 BTU per kWh conversion factor for the 2011 fiscal year beginning July 1, 2010 and ending June 30, 2011.

FY11 FOSSIL FUEL USE (BTU/GSF/YR) gives the rate of fossil fuel use for the 2011 fiscal year.

FY11 TOTAL ENERGY USE (BTU/GSF/YR) provides rate of energy use data for the 2011 fiscal year.

LATEST YEAR PERCENT CHANGE refers to the percent change in energy consumption from fiscal year 2010 to fiscal year 2011.

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

GSF FY11 gives the total gross square feet monitored during the 2011 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 FY2011 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.

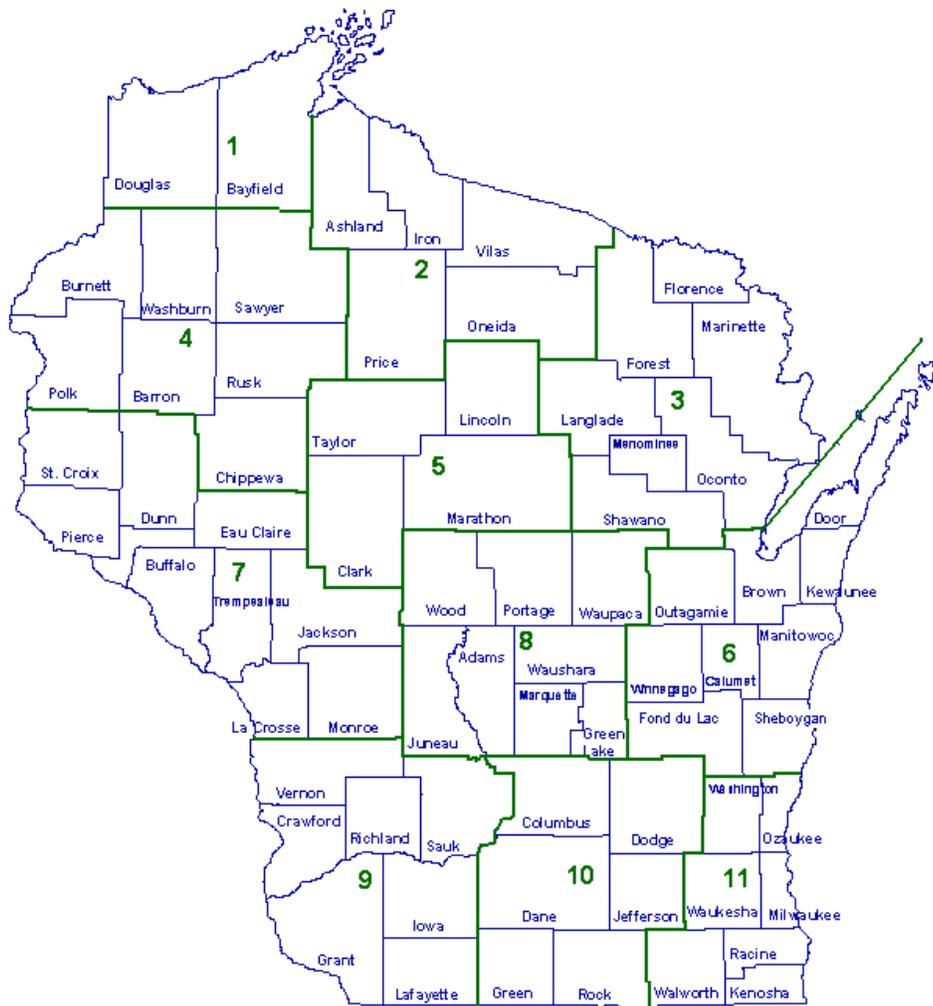
If in a 24-hour period the high outside temperature was 70 degrees and the low was 50 degrees, then the mean temperature for that day was 60 degrees - halfway between 70 and 50 degrees. This is 5 degrees less than the base temperature of 65. Therefore, we can say that there was 5 heating degree days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

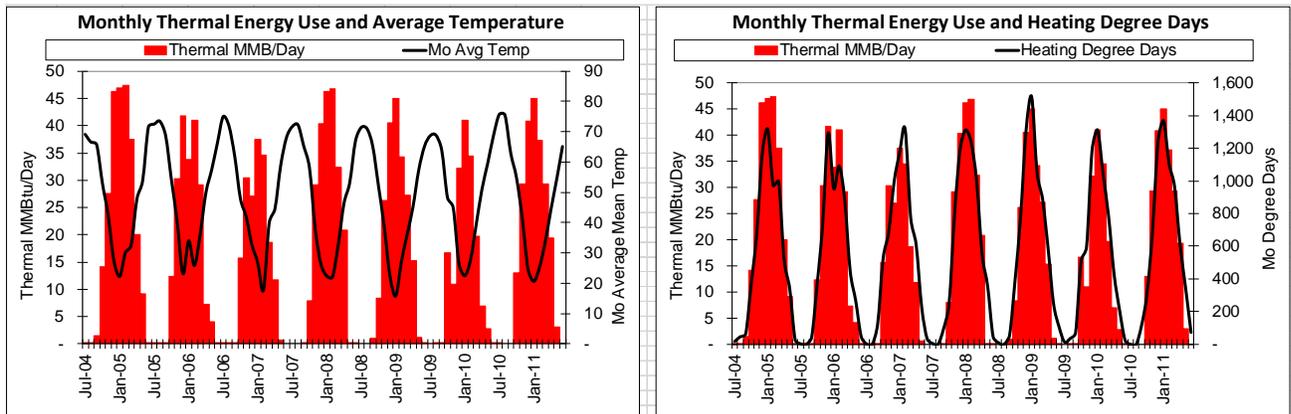
Degree-day and daily mean temperature data were obtained from the Division of Energy's Heating, Cooling and Growing Degree Days website at <http://www.doa.state.wi.us/degreedays/>.



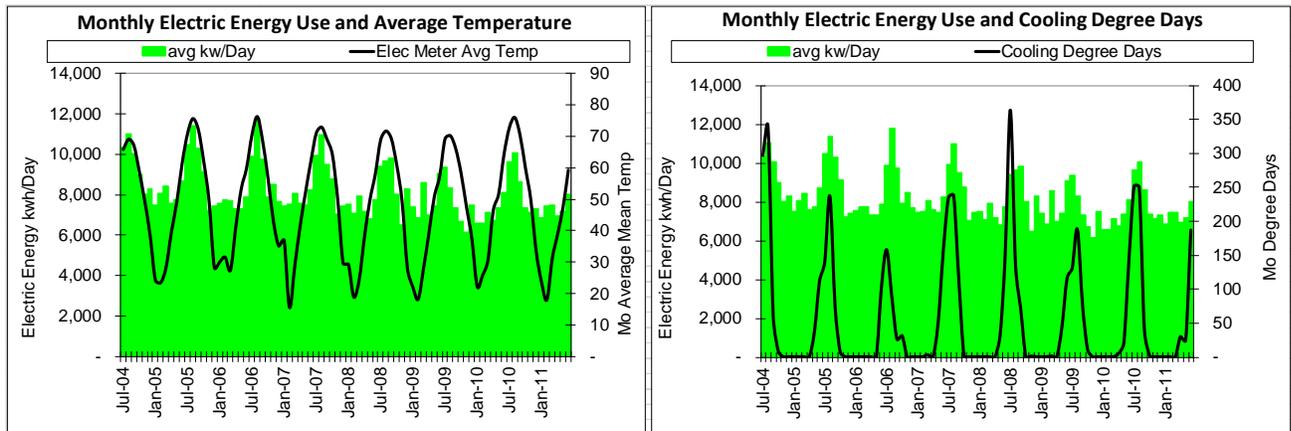
Heating and cooling degree day zone summaries are available for eleven geographic areas in Wisconsin that experience very similar temperatures throughout the year. The following table depicts the weather stations used for zone reporting. Notice that Zone 3 is an average of both Rhinelander which is inland, 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%
Norm	103%	107%	107%	112%	103%	108%	107%	108%	108%	110%	106%	107%

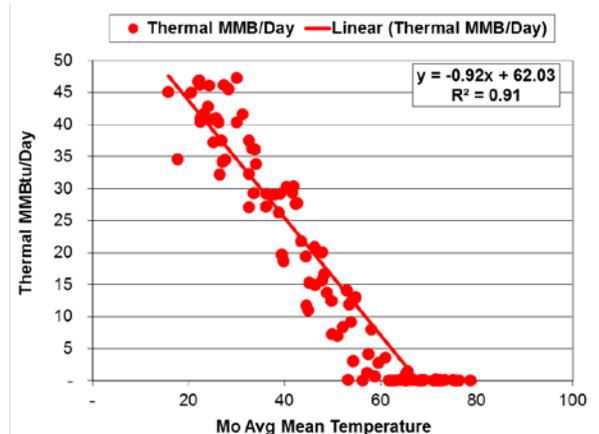
The ratio of annual Wisconsin cooling degree day comparisons to FY2005 base year provide an indication of anticipated weather adjustments for approximately 10% of a building's electrical energy:

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

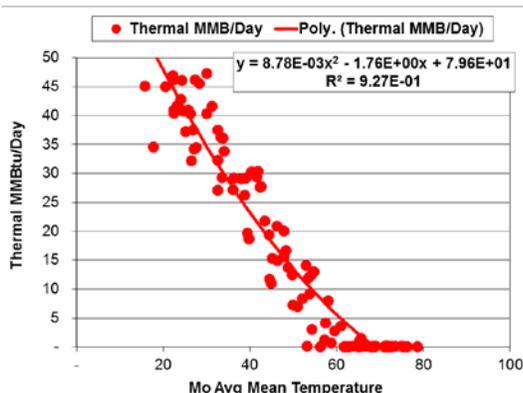
	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9	Zone 10	Zone 11	State CDD
FY05	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
FY06	151%	160%	135%	162%	137%	119%	147%	135%	133%	128%	145%	137%
FY07	212%	146%	131%	154%	130%	121%	151%	137%	131%	118%	131%	130%
FY08	163%	114%	114%	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%
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 FY11, the adjustment factor would be calculated as:



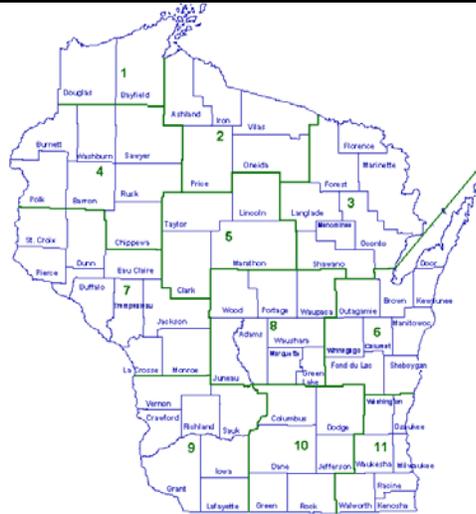
- FY05 Month Thermal Use =  $-0.92 * 25 + 62.03 = 39.03$  MMBtu/Day
- FY11 Month Thermal Use =  $-0.92 * 20 + 62.03 = 43.63$  MMBtu/Day
- FY11 Adjustment Factor =  $39.03/43.63 = 0.895$ , the FY13 adjustment multiplier
- FY11 Weather Adjusted Use =  $43.63 * 0.895 = 39.05$  MMBtu/Day or FY05 Base



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

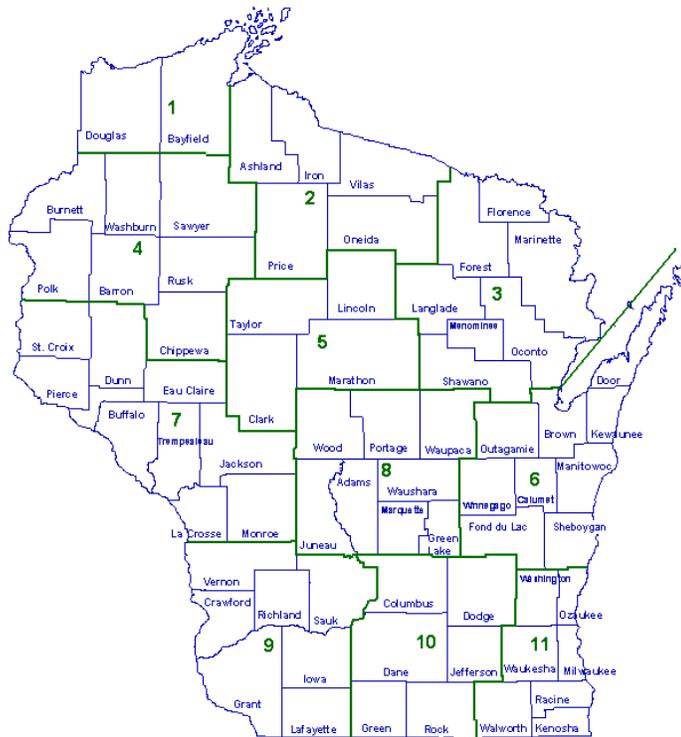


### Wisconsin Heating Degree Days

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%

### 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%

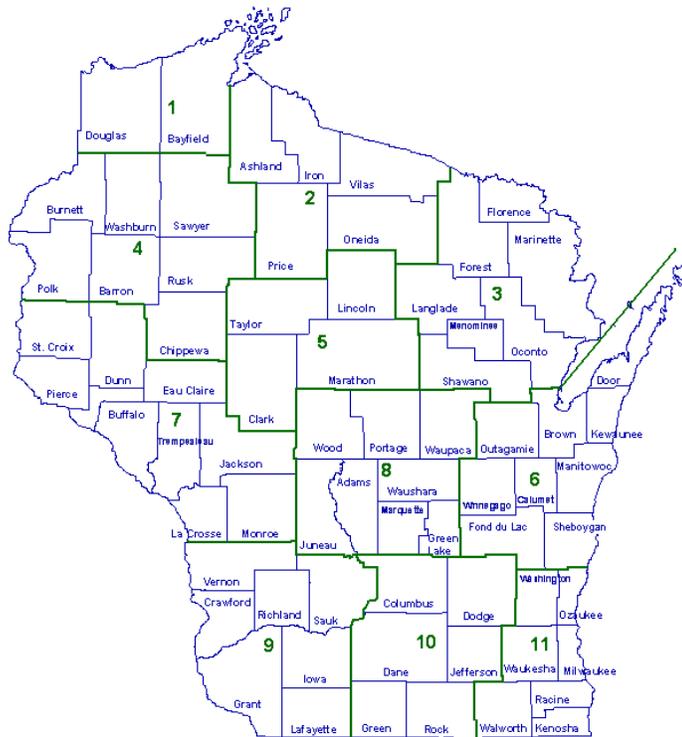


### FY2005 Monthly Wisconsin Heating Degree Days

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
<b>Total</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>

### FY2011 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-10	4	3	3	-	-	2	-	1	-	-	1	1
Aug-10	31	18	14	19	12	7	7	9	6	4	-	5
Sep-10	335	310	268	310	243	212	220	221	148	147	117	176
Oct-10	531	509	488	512	436	451	462	466	372	393	313	396
Nov-10	960	953	891	980	894	819	915	859	814	787	696	795
Dec-10	1,478	1,466	1,433	1,580	1,461	1,386	1,531	1,514	1,515	1,401	1,241	1,374
Jan-11	1,688	1,689	1,642	1,780	1,635	1,578	1,689	1,649	1,559	1,485	1,369	1,516
Feb-11	1,335	1,349	1,306	1,392	1,316	1,253	1,323	1,298	1,230	1,193	1,108	1,211
Mar-11	1,228	1,241	1,192	1,224	1,157	1,126	1,156	1,171	996	998	967	1,059
Apr-11	746	797	747	671	703	679	636	693	565	572	613	637
May-11	524	383	365	346	323	335	284	311	271	300	350	331
Jun-11	194	106	94	77	77	73	72	87	44	40	74	71
<b>Total</b>	<b>9,054</b>	<b>8,824</b>	<b>8,443</b>	<b>8,891</b>	<b>8,257</b>	<b>7,921</b>	<b>8,295</b>	<b>8,279</b>	<b>7,520</b>	<b>7,320</b>	<b>6,849</b>	<b>7,572</b>



**FY2005 Monthly Wisconsin Cooling Degree Days**

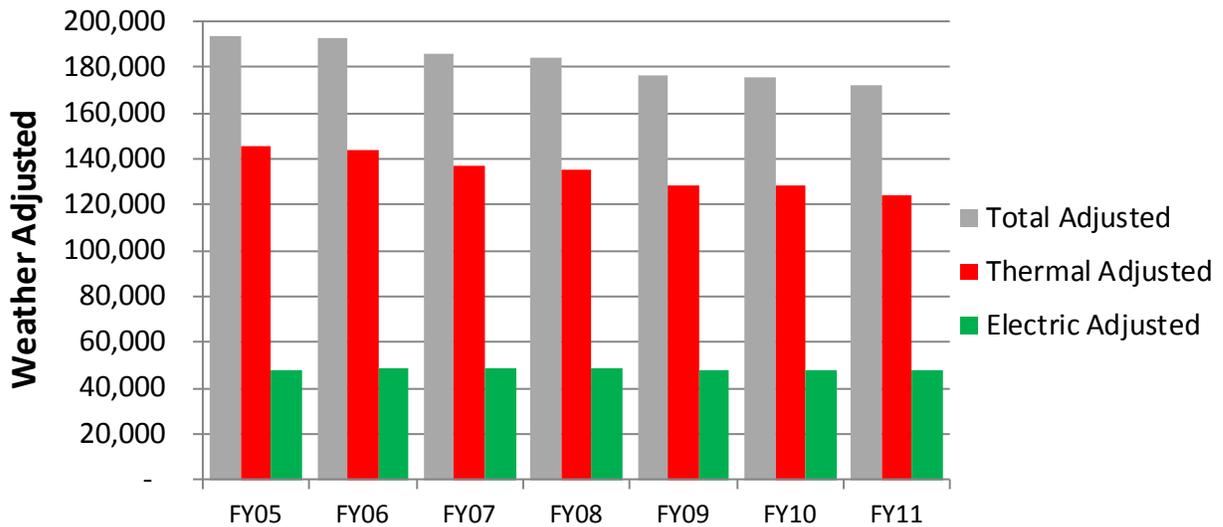
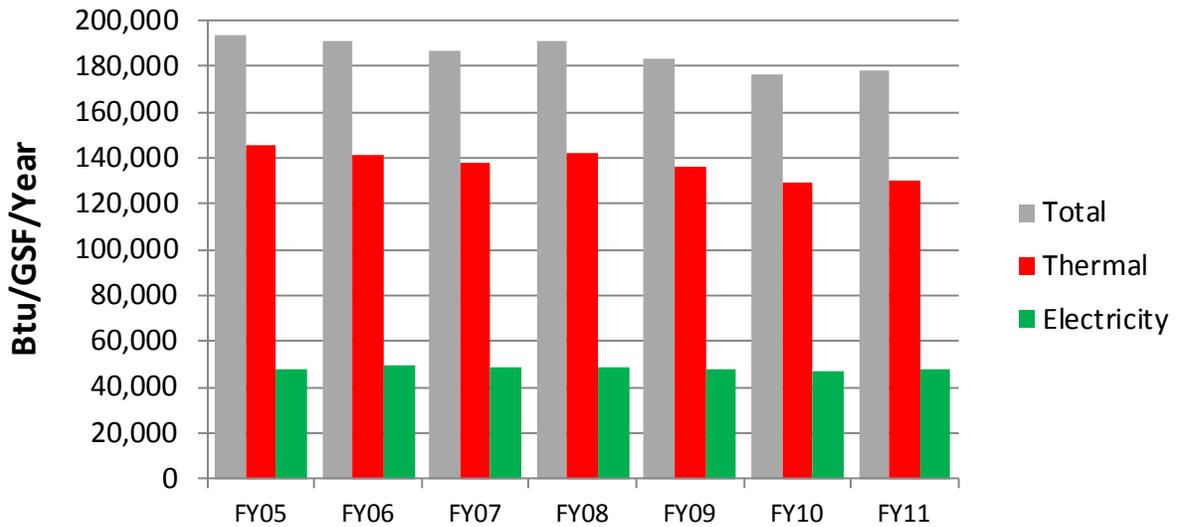
Mo-Year	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9	Zone 10	Zone 11	State CDD
Jul-04	79	97	112	129	123	116	159	138	133	155	151	140
Aug-04	21	30	56	53	46	73	71	68	69	91	105	83
Sep-04	29	60	73	83	64	79	100	88	72	93	93	87
Oct-04	-	-	-	-	-	-	1	-	-	2	2	1
Nov-04	-	-	-	-	-	-	-	-	-	-	-	-
Dec-04	-	-	-	-	-	-	-	-	-	-	-	-
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>

**FY2011 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-10	169	173	214	195	220	243	256	234	293	307	339	284
Aug-10	159	174	217	196	209	248	267	245	265	280	331	278
Sep-10	9	4	13	5	16	20	7	15	38	36	63	36
Oct-10	-	-	-	1	-	-	1	-	10	4	3	2
Nov-10	-	-	-	-	-	-	-	-	-	-	-	-
Dec-10	-	-	-	-	-	-	-	-	-	-	-	-
Jan-11	-	-	-	-	-	-	-	-	-	-	-	-
Feb-11	-	-	-	-	-	-	-	-	-	-	-	-
Mar-11	-	-	-	-	-	-	-	-	-	-	-	-
Apr-11	-	-	-	-	-	-	-	-	-	1	1	1
May-11	-	6	15	9	14	22	16	18	51	46	28	27
Jun-11	16	55	69	63	87	71	115	89	139	145	84	94
<b>Total</b>	<b>353</b>	<b>412</b>	<b>528</b>	<b>469</b>	<b>546</b>	<b>604</b>	<b>662</b>	<b>601</b>	<b>796</b>	<b>819</b>	<b>849</b>	<b>722</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%



**Major Agency Comparison FY2011 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	FY2011 GSF	FY2011 Thermal Btu/GSF	FY2011 Electric Btu/GSF	FY2011 Total Btu/GSF
University of Wisconsin System	50,695,697	139,852	52,787	192,639
Department of Administration	4,027,132	74,298	49,641	123,939
Department of Corrections	8,269,898	131,818	43,819	175,636
Department of Health Services	4,450,404	159,345	34,308	193,653
Department of Public Instruction	441,183	75,226	22,980	98,206
Department of Veterans Affairs	733,728	142,187	45,433	187,620
<b>Agencies Total</b>	<b>68,618,042</b>	<b>135,910</b>	<b>50,052</b>	<b>185,962</b>

Agency	GSF % Change 2011 from 1973	Thermal % Change 2011 from 1973	Electric % Change 2011 from 1973	Energy % Change 2011 from 1973
University of Wisconsin System	60.95%	-27.23%	23.97%	-17.94%
Department of Administration	104.82%	-67.08%	16.95%	-53.78%
Department of Corrections	262.86%	-58.47%	162.99%	-47.42%
Department of Health Services	-0.55%	-42.90%	36.03%	-36.36%
Department of Public Instruction	23.01%	-57.71%	10.18%	-50.59%
Department of Veterans Affairs	37.13%	-41.75%	52.90%	-31.48%
<b>Agencies Total</b>	<b>66.90%</b>	<b>-35.51%</b>	<b>28.70%</b>	<b>-25.50%</b>

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

