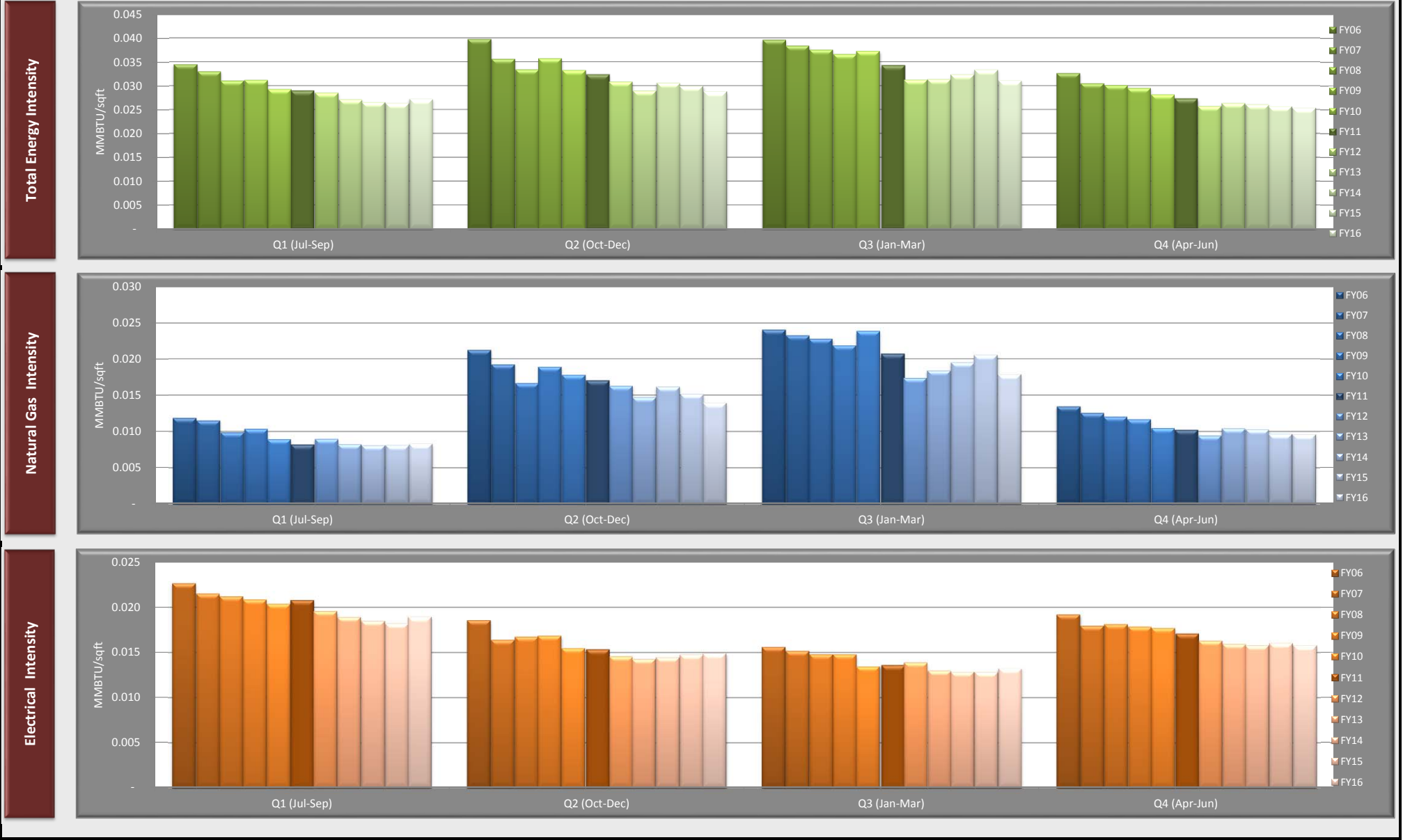


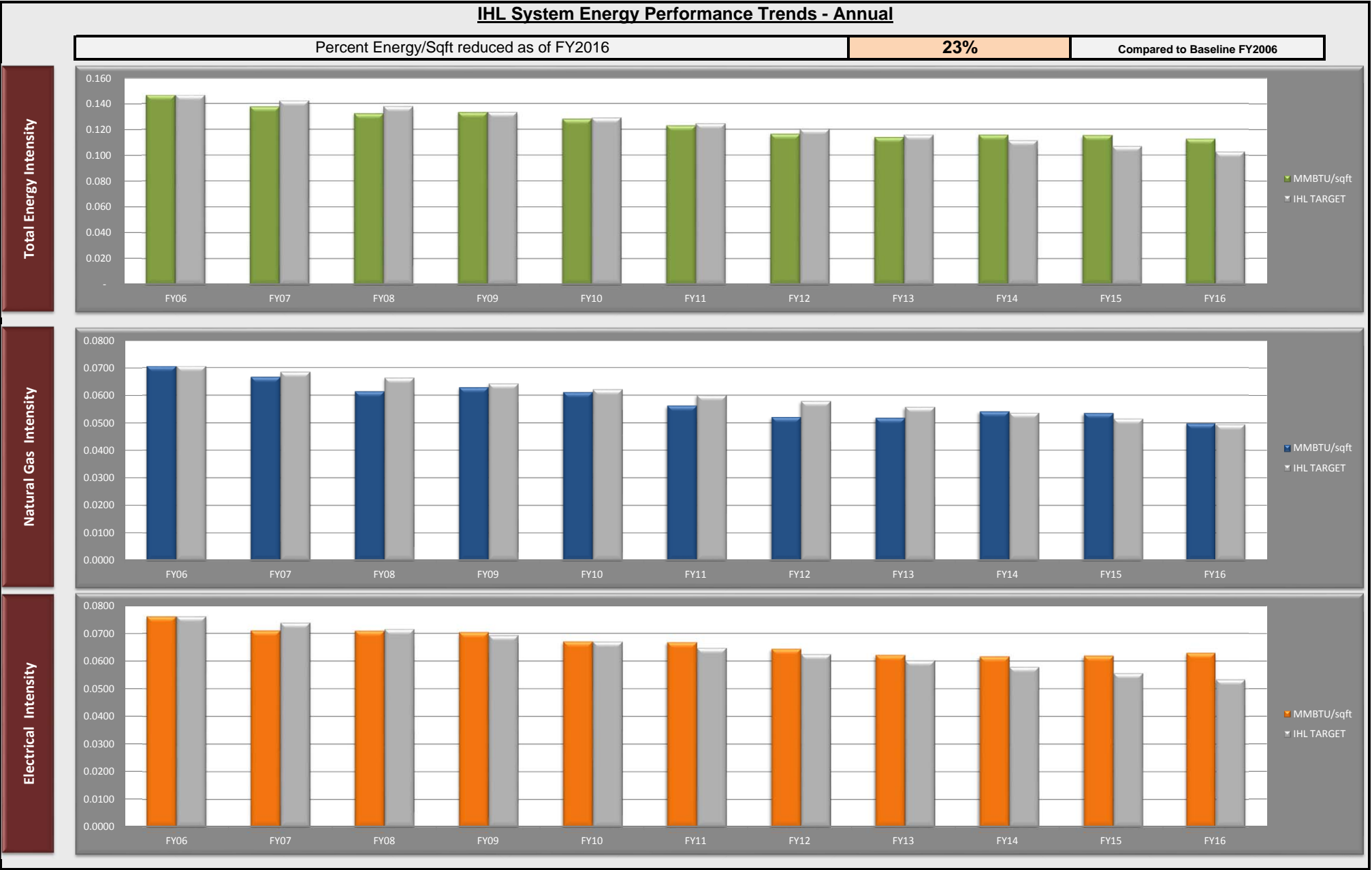
IHL System Energy Performance Trends - Quarterly

Cumulative Cost avoided through Q4 FY2016

\$ 95,536,100

Compared to Baseline FY2006



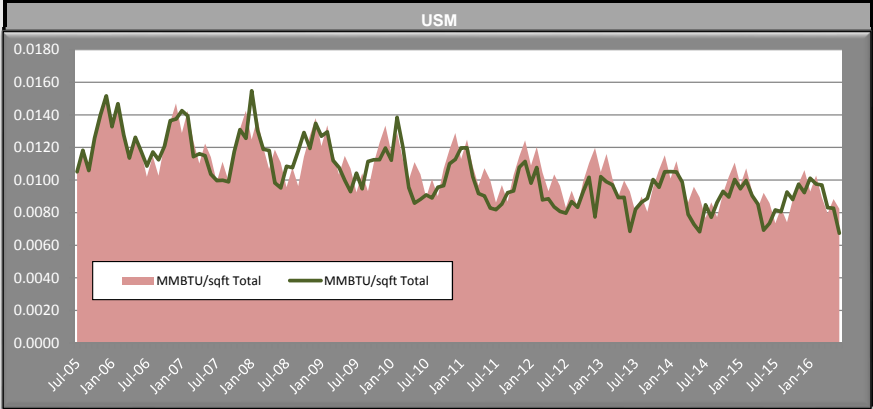
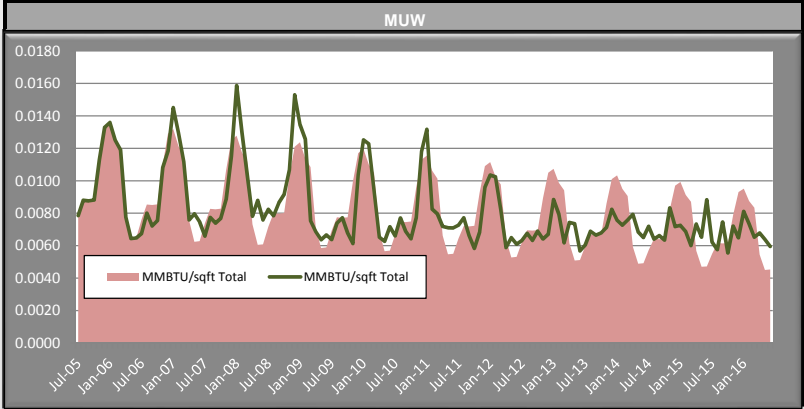
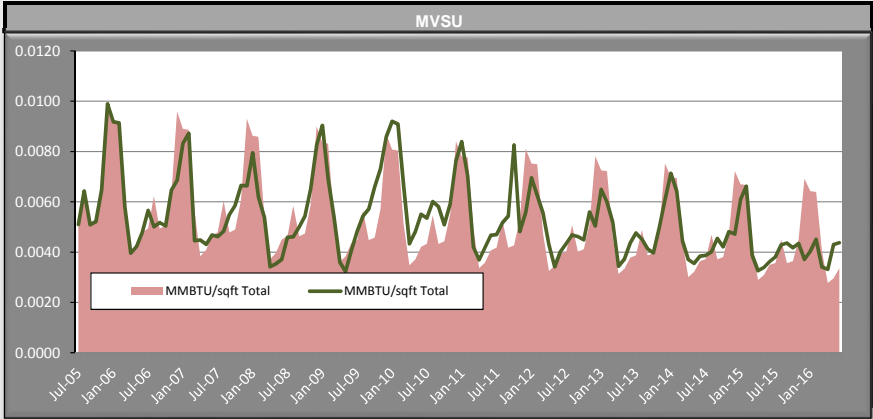
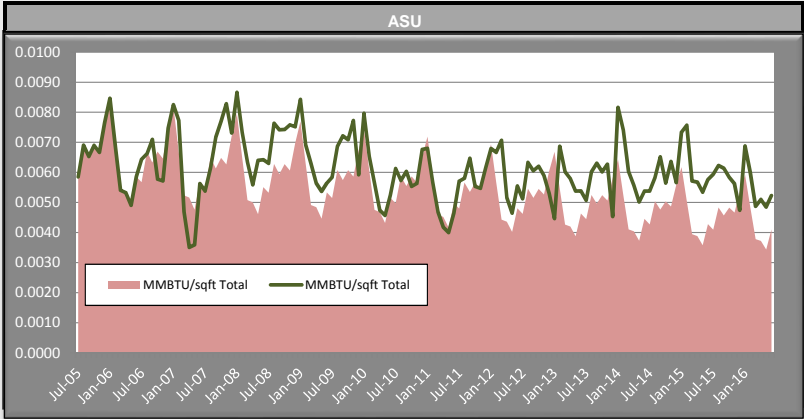
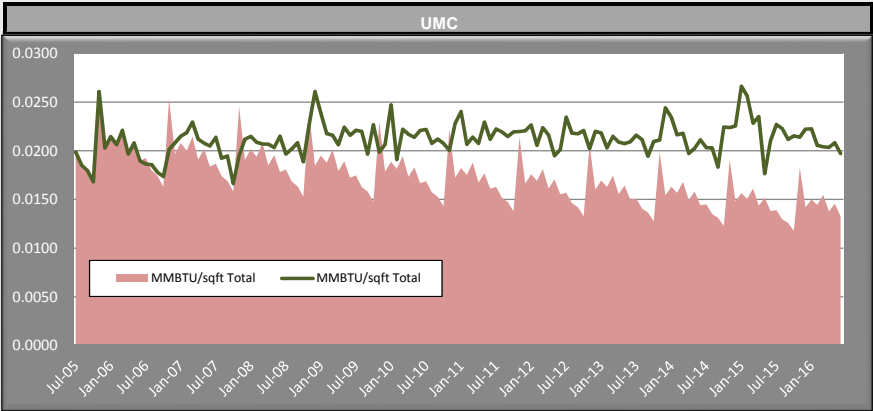
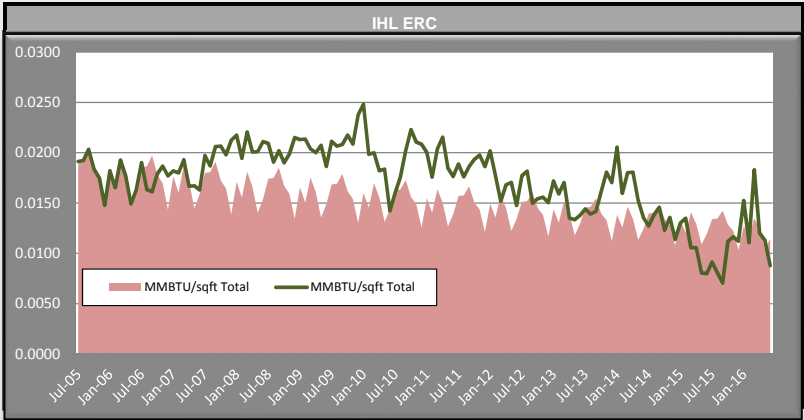


Savings Calculation

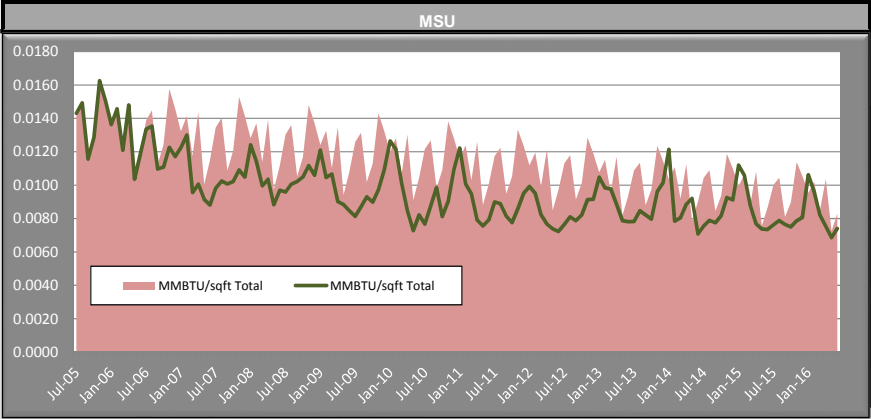
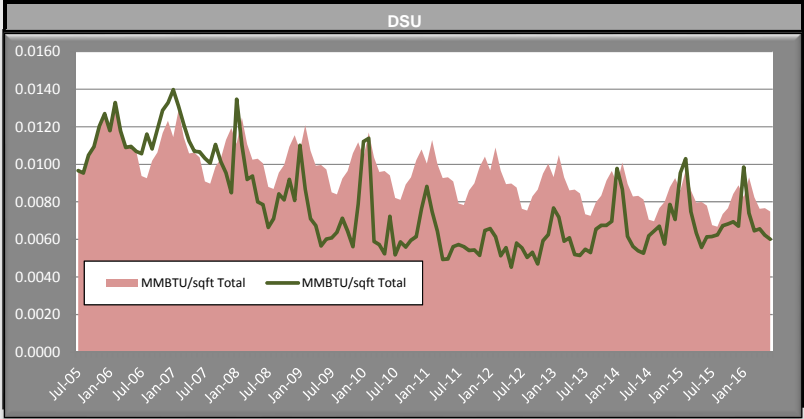
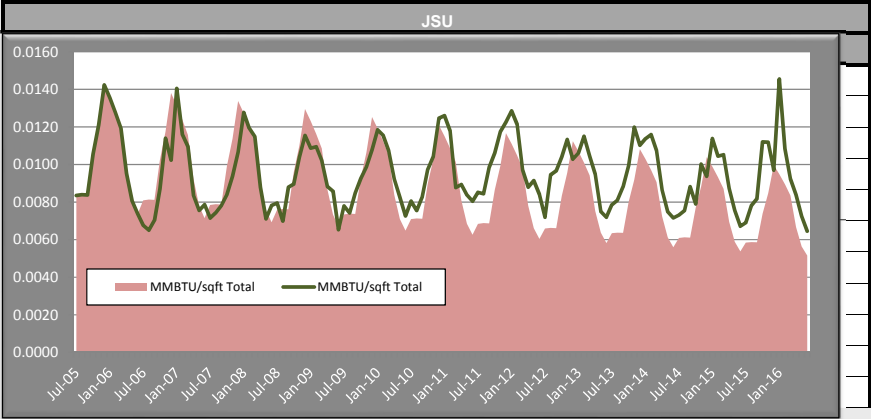
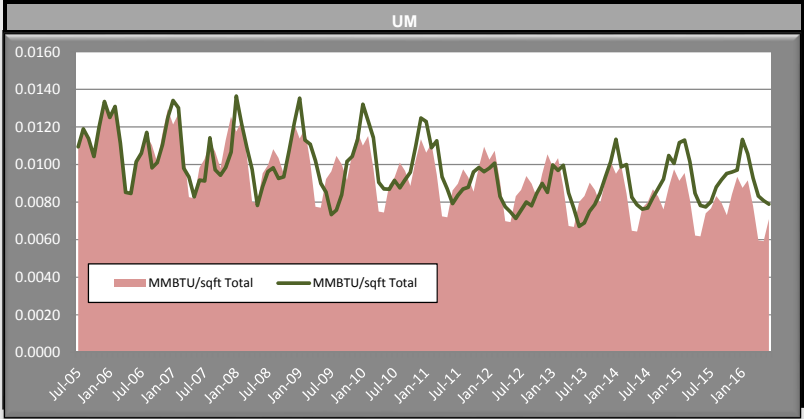
	FY13 compared to FY11		FY14 compared to FY11		FY15 compared to FY11		FY16 compared to FY11	
	Total energy fund savings	25% fund request	Total energy fund savings	25% fund request	Total energy fund savings	25% fund request	Total energy fund savings	25% fund request
MVSU	\$ 539,628	\$ 134,907	\$ 558,014	\$ 139,503	\$ 616,901	\$ 154,225	\$ 600,876	\$ 150,219
USM	\$ 781,090	\$ 195,273	\$ 786,704	\$ 196,676	\$ 1,335,002	\$ 333,750	\$ 878,150	\$ 219,538
MUW	\$ 139,099	\$ 34,775	\$ 140,829	\$ 35,207	\$ 179,168	\$ 44,792	\$ 252,956	\$ 63,239
MSU	\$ 680,700	\$ 170,175	\$ 810,259	\$ 202,565	\$ 1,360,758	\$ 340,189	\$ 1,358,412	\$ 339,603
ASU	\$ 202,499	\$ 50,625	\$ 184,321	\$ 46,080	\$ 49,963	\$ 12,491	\$ 126,737	\$ 31,684
UMC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
UM	\$ 1,139,787	\$ 284,947	\$ 1,221,307	\$ 305,327	\$ 540,324	\$ 135,081	\$ 204,147	\$ 51,037
JSU	\$ -	\$ -	\$ -	\$ -	\$ 69,890	\$ 17,473	\$ 2,621	\$ 655
DSU	\$ 254,886	\$ 63,721	\$ 256,863	\$ 64,216	\$ 42,032	\$ 10,508	\$ 17,575	\$ 4,394
IHL-ERC	\$ 91,252	\$ 22,813	\$ 95,623	\$ 23,906	\$ 217,164	\$ 54,291	\$ 199,902	\$ 49,976
	\$3,828,942	\$957,236	\$4,053,920	\$1,013,480	\$ 4,411,201	\$ 1,102,800	\$ 3,641,376	\$ 910,344

Note: Per IHL Sustainability Policy the Energy Savings Fund Requirement uses FY11 as the baseline year. All "savings fund calculations" are measured against FY11. This table is provided as guidance, each University should determine the appropriate amount of energy savings to apply towards future projects and initiatives based on the IHL Sustainability Policy.

Institution Energy Performance Trends - Annual



Institution Energy Performance Trends - Annual



Institution Quarterly Performance Matrix - Year to Year

IHL-ERC				
	Q1	Q2	Q3	Q4
FY06	NA	NA	NA	NA
FY07	-12%	7%	3%	1%
FY08	15%	14%	14%	23%
FY09	2%	-2%	0%	-3%
FY10	4%	10%	3%	-14%
FY11	-14%	-3%	-10%	14%
FY12	2%	-10%	-8%	-16%
FY13	-8%	-20%	-6%	-16%
FY14	-16%	11%	9%	15%
FY15	-3%	-27%	-32%	-43%
FY16	-41%	-9%	20%	21%

ASU				
	Q1	Q2	Q3	Q4
FY06	NA	NA	NA	NA
FY07	5%	-11%	0%	-21%
FY08	-7%	23%	8%	45%
FY09	14%	-3%	-3%	-10%
FY10	-7%	-8%	-7%	-13%
FY11	-10%	-14%	-15%	-12%
FY12	1%	-4%	20%	20%
FY13	-3%	1%	-15%	8%
FY14	-1%	-3%	24%	-4%
FY15	2%	5%	-5%	5%
FY16	3%	-8%	-14%	-10%

MUW				
	Q1	Q2	Q3	Q4
FY06	NA	NA	NA	NA
FY07	-14%	-10%	2%	11%
FY08	-1%	-7%	2%	5%
FY09	14%	25%	-14%	-18%
FY10	-13%	-34%	2%	0%
FY11	-1%	11%	-14%	7%
FY12	2%	-14%	-2%	-14%
FY13	-10%	-10%	-20%	11%
FY14	1%	11%	-2%	4%
FY15	3%	-1%	-10%	7%
FY16	-4%	-12%	9%	-16%

UMC				
	Q1	Q2	Q3	Q4
FY06	NA	NA	NA	NA
FY07	-2%	-8%	3%	5%
FY08	9%	-2%	-5%	0%
FY09	1%	18%	7%	3%
FY10	5%	-7%	-2%	1%
FY11	1%	1%	0%	0%
FY12	2%	4%	-1%	-6%
FY13	2%	-3%	-3%	2%
FY14	-7%	3%	5%	-2%
FY15	-5%	1%	12%	2%
FY16	12%	-3%	-16%	-2%

MVSU				
	Q1	Q2	Q3	Q4
FY06	NA	NA	NA	NA
FY07	-5%	-15%	-11%	4%
FY08	-6%	4%	-9%	-21%
FY09	-5%	5%	9%	2%
FY10	13%	11%	17%	34%
FY11	7%	-17%	-21%	-14%
FY12	-11%	0%	-4%	-6%
FY13	-11%	-19%	-6%	-2%
FY14	-2%	-1%	2%	-4%
FY15	-7%	-9%	-8%	-7%
FY16	0%	-11%	-28%	17%

USM				
	Q1	Q2	Q3	Q4
FY06	NA	NA	NA	NA
FY07	3%	-5%	-3%	-6%
FY08	-12%	-5%	2%	-7%
FY09	12%	2%	-9%	-4%
FY10	-7%	-10%	1%	-10%
FY11	-11%	-7%	-8%	-2%
FY12	-6%	-2%	-14%	-5%
FY13	-4%	-13%	2%	-2%
FY14	3%	11%	4%	-11%
FY15	-4%	-6%	-8%	4%
FY16	3%	-2%	4%	2%

Institution Quarterly Performance Matrix - Year to Year

	UM			
	Q1	Q2	Q3	Q4
FY06	NA	NA	NA	NA
FY07	-6%	-6%	-1%	-1%
FY08	-6%	-11%	1%	-2%
FY09	-5%	8%	-2%	5%
FY10	-19%	-1%	3%	-5%
FY11	16%	3%	-7%	-2%
FY12	-5%	-12%	-18%	-14%
FY13	-10%	-11%	5%	2%
FY14	-5%	8%	5%	4%
FY15	10%	6%	5%	1%
FY16	6%	-3%	-4%	1%

	DSU			
	Q1	Q2	Q3	Q4
FY06	NA	NA	NA	NA
FY07	11%	7%	6%	0%
FY08	-5%	-26%	-14%	-23%
FY09	-29%	-10%	-20%	-27%
FY10	-12%	-21%	6%	-1%
FY11	-15%	-1%	-20%	-15%
FY12	1%	-14%	-21%	2%
FY13	-5%	-1%	16%	3%
FY14	9%	21%	18%	-1%
FY15	12%	1%	11%	11%
FY16	-1%	-1%	-13%	4%

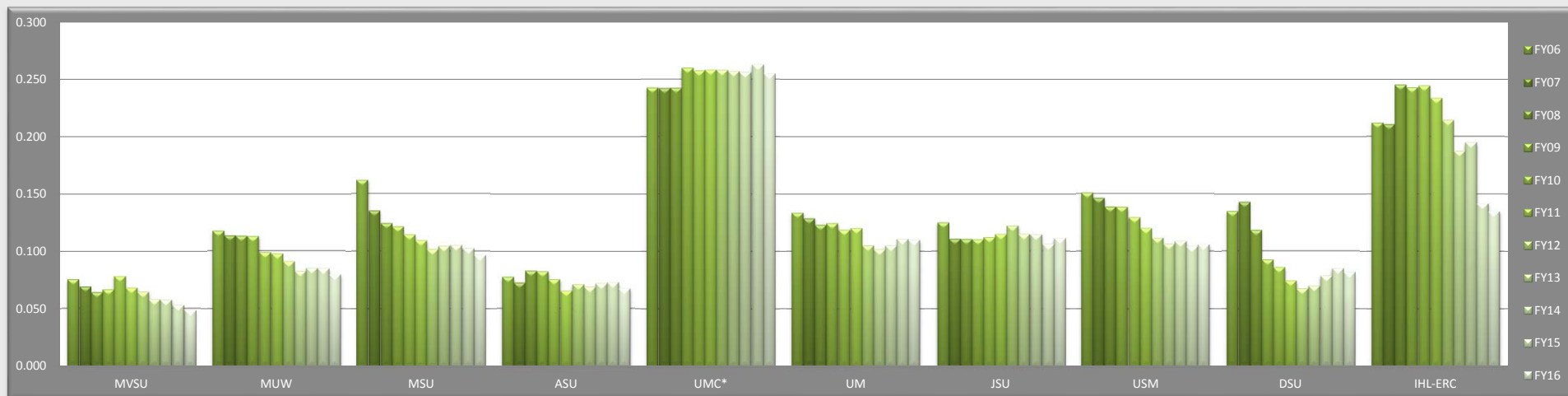
	JSU			
	Q1	Q2	Q3	Q4
FY06	NA	NA	NA	NA
FY07	-19%	-18%	-4%	-5%
FY08	10%	-6%	-1%	0%
FY09	6%	9%	-12%	1%
FY10	0%	-3%	7%	3%
FY11	1%	9%	-3%	2%
FY12	12%	6%	5%	4%
FY13	-2%	-8%	-6%	-8%
FY14	-6%	3%	4%	-4%
FY15	-4%	-17%	-4%	-1%
FY16	-3%	18%	7%	-4%

	MSU			
	Q1	Q2	Q3	Q4
FY06	NA	NA	NA	NA
FY07	-7%	-21%	-14%	-24%
FY08	-20%	-10%	-3%	3%
FY09	-1%	2%	-2%	-9%
FY10	-12%	-8%	5%	-9%
FY11	1%	-5%	-9%	-2%
FY12	-1%	-8%	-13%	-5%
FY13	-9%	2%	9%	10%
FY14	4%	5%	-7%	2%
FY15	-5%	-4%	9%	-11%
FY16	0%	-12%	-7%	-3%

Chart Notes:

The Quarterly Comparison Matrix is intended to highlight trends in energy performance from quarter to quarter. Each quarter is compared to the same quarter from the previous fiscal year. For example, Q2-FY12 is compared to Q2-FY11 in order to determine a positive or negative change in energy intensity.

- A) An increase in energy intensity is represented as a positive percentage change and highlighted in red.
- B) A decrease in energy intensity is represented as a negative percentage change and highlighted in green.

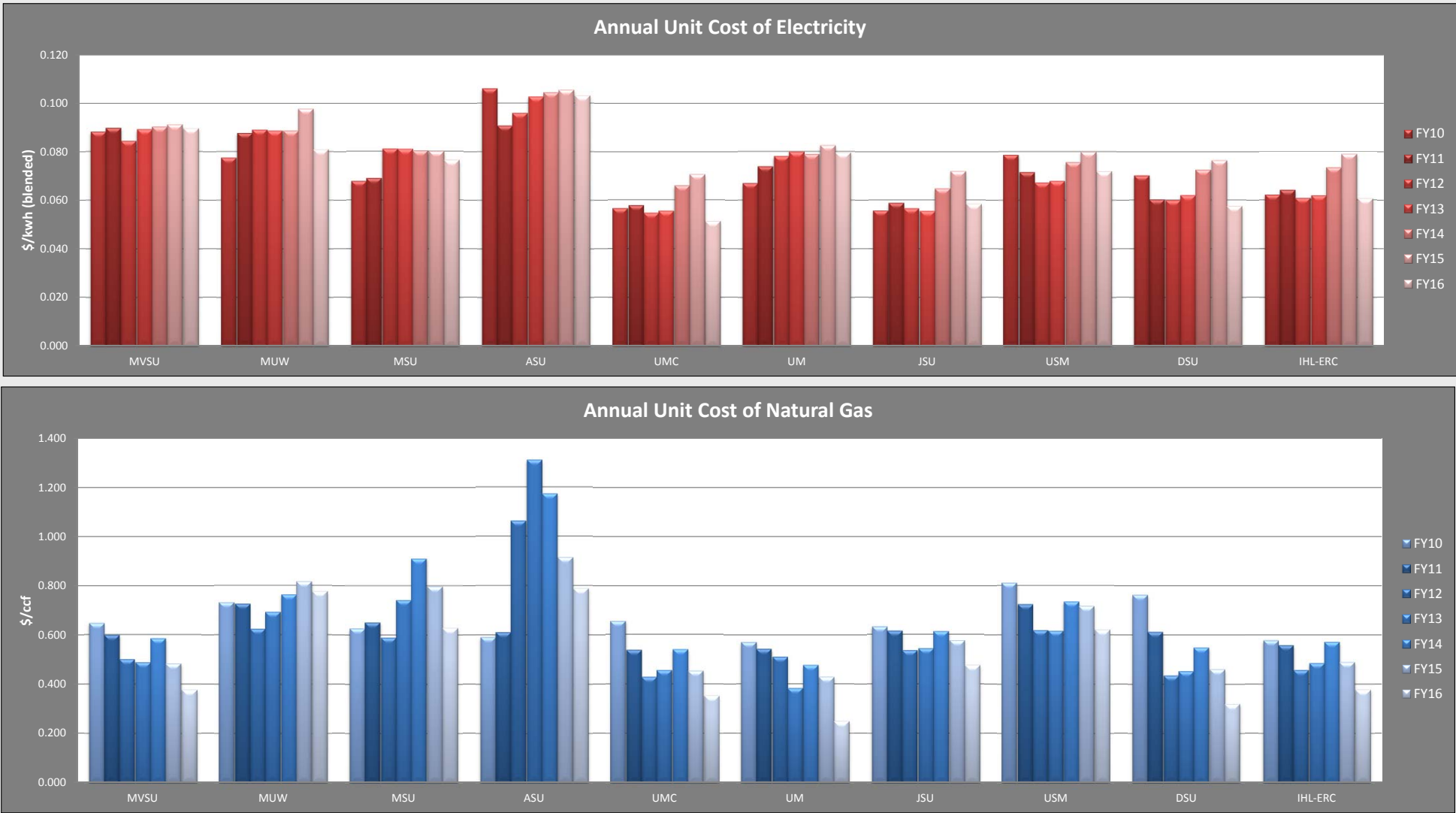
IHL System Campus Comparison - Annual

* Note that as a health complex, UMMC has a different composition of facility types than other universities. Healthcare facilities generally require twice as much energy as standard building types.

PERFORMANCE	% Reduction (FY13 vs. FY06)	Cumulative Cost Avoided (From FY06 through Q4-FY13)	
DSU	39%	\$	7,893,000
MSU	40%	\$	42,872,700
USM	30%	\$	16,472,300
MUW	32%	\$	3,045,000
ASU	13%	\$	1,665,900
UM	18%	\$	17,075,300
MVSU	35%	\$	4,083,800
JSU	11%	\$	4,126,900
UMC	-5%	\$	(2,121,600)
IHL ERC	36%	\$	422,800
		\$	95,536,100

NOTE: A University could have a negative year in energy performance, but the cumulative cost avoidance could still be positive if previous years were more successful. (Or the converse can occur as well.)

IHL System Campus Unit Cost Comparison - Annual



1) Energy Intensity is a measure of Energy Consumption per Operating Square Foot of Facility.
2) Weather effects are not accounted for in this analysis.
3) Baseline year is Fiscal Year 2006. Percentage reduction is a comparison of the most recent completed FY to FY06.
4) Unless otherwise noted, Cost Avoidance is cumulative and uses utility rates that were effective at the time of the savings.
5) Cumulative cost avoidance sums the avoided costs of each year when compared to the baseline year. This represents the utility costs avoided because efforts were made to reduce energy consumption rates from the FY06 baseline year. **THIS DOES NOT REFLECT ADDITIONAL COSTS THAT MAY HAVE BEEN AVOIDED DUE TO EFFORTS TO NEGOTIATE REDUCED ENERGY COST RATES.**