



City of Manchester

Energy Performance Report

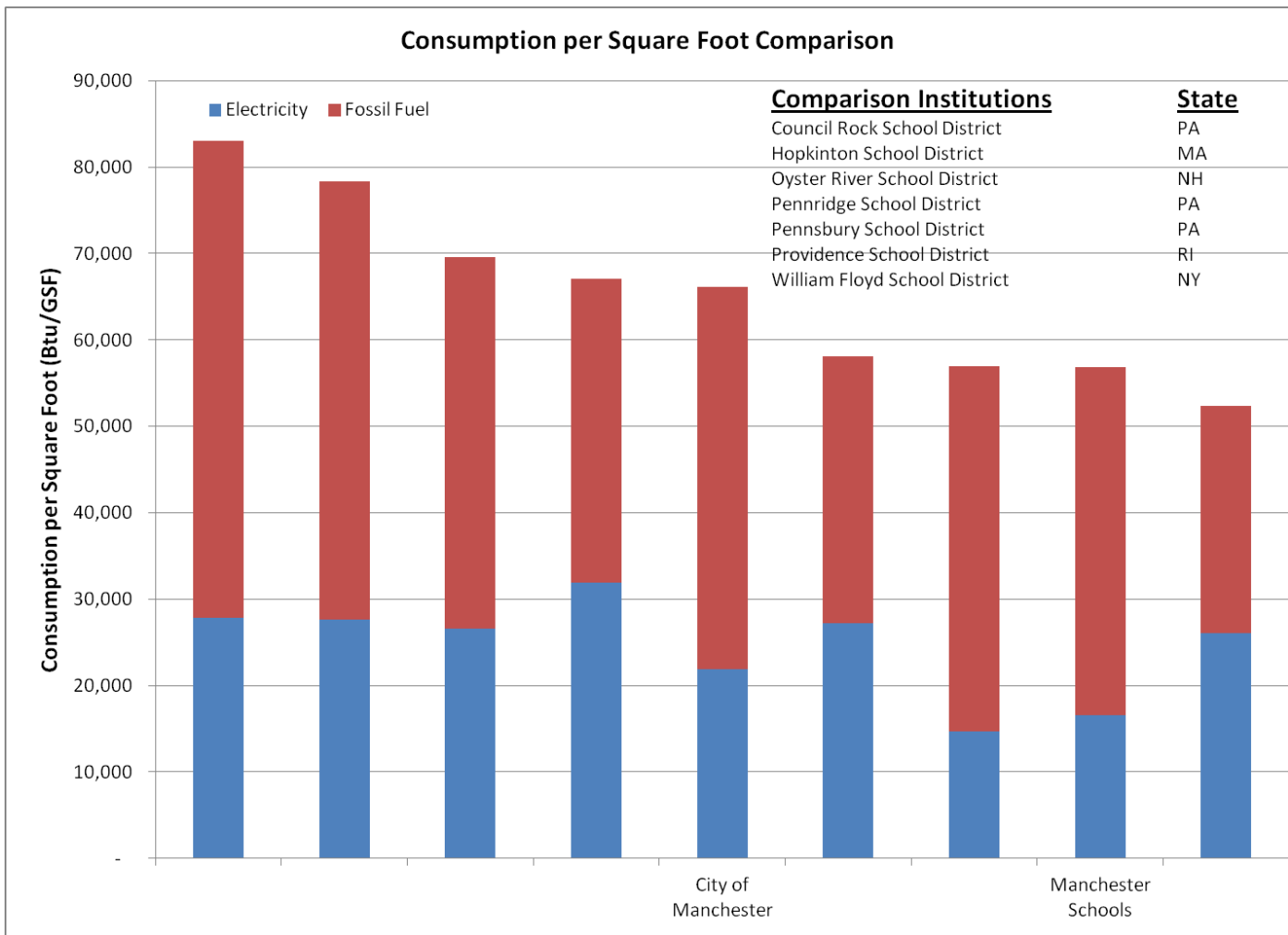
For the Period October 2011 thru December 2011

Prepared By:

Jeffrey Myrdek
ARAMARK Engineering Solutions
February 17, 2012

City of Manchester
Energy Program Performance Summary
Year End Performance Update
 February 17, 2012

	<i>Consumption Reduction</i>	<i>Cost</i>
Total School's Performance:	10.6%	\$387,180
Electricity Consumption and Cost Reduction:	13.1%	\$256,856
Natural Gas Consumption and Cost Reduction:	9.5%	\$130,324
Total Municipal Performance:	6.4%	\$63,713
Electricity Consumption and Cost Reduction:	2.5%	\$13,717
Natural Gas Consumption and Cost Reduction:	8.9%	\$49,996
Total City Performance:	9.8%	\$450,893
Electricity Consumption and Cost Reduction:	10.6%	\$270,573
Natural Gas Consumption and Cost Reduction:	9.4%	\$180,320



City of Manchester

Energy Program Performance Summary

November 1, 2011

Fourth Quarter Performance (2011)

- ❖ Consumption reduction¹ :
 - Energy reduction: **11.6%**
- ❖ Financial savings : **\$107,141**
 - Electricity : \$73,988
 - Natural Gas : \$33,467
- ❖ GHG avoided emissions:
 - 729,188 lbs of CO2

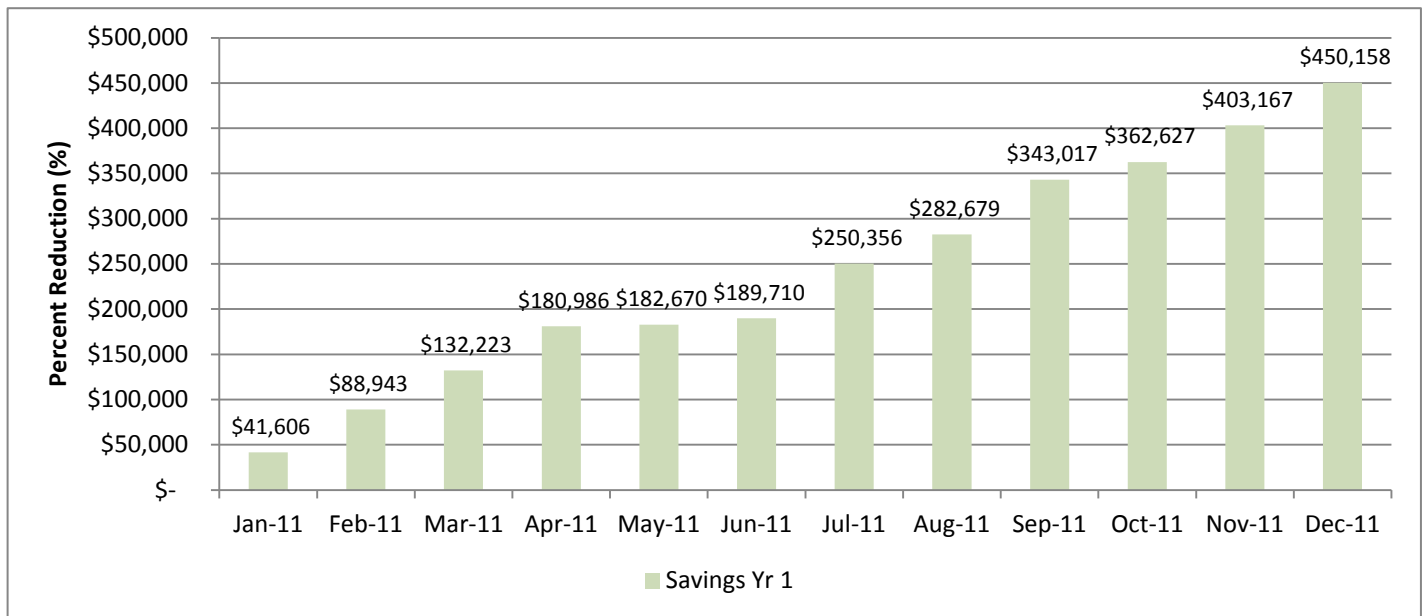
Contract Year to Date (since 01/2011)

- ❖ Consumption reduction¹ :
 - Energy reduction: **9.8%**
- ❖ Financial savings : **\$450,158**
 - Electricity : \$270,573
 - Natural Gas : \$179,931
- ❖ GHG avoided emissions:
 - 2,802,902 lbs of CO2

Total Performance to Date (since 01/2011)

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Cumulative Savings



Current Profile (Past 12 months)

- ❖ Energy Intensity : 62.1 kBtu/SqFt

Baseline Profile (July 2009 – June 2010)

- ❖ Energy Intensity: 66.1 kBtu/SqFt

¹ Comparisons are made to the base year. Base year periods vary slightly for some meters but all fall between July 2009 and June 2010.

City of Manchester

Energy Program Performance Summary

February 17, 2012

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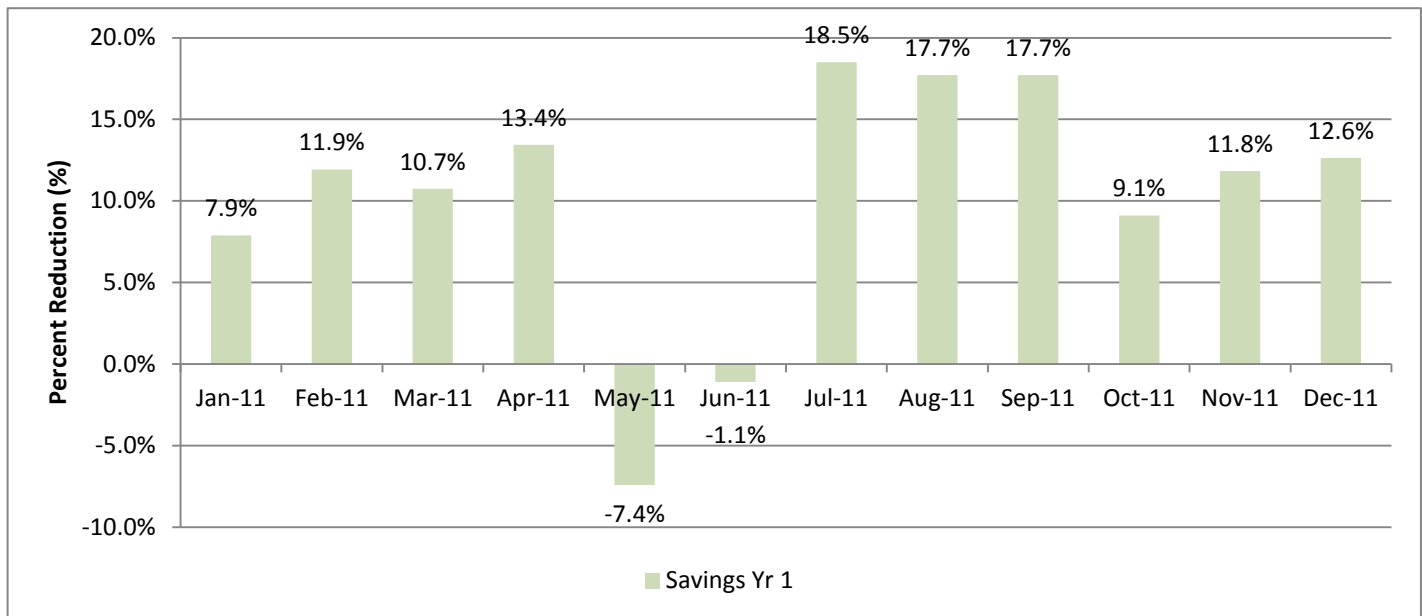
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Monthly Energy Consumption Reduction Comparison



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City of Manchester

Energy Program Performance Summary

School Buildings

February 17, 2012

Fourth Quarter Performance (2011)

- ❖ Consumption reduction¹ :
 - Energy reduction: **12.3%**
- ❖ Financial savings : **\$93,689**
 - Electricity : \$67,489
 - Natural Gas : \$26,199
- ❖ GHG avoided emissions:
 - 629,204 lbs of CO2

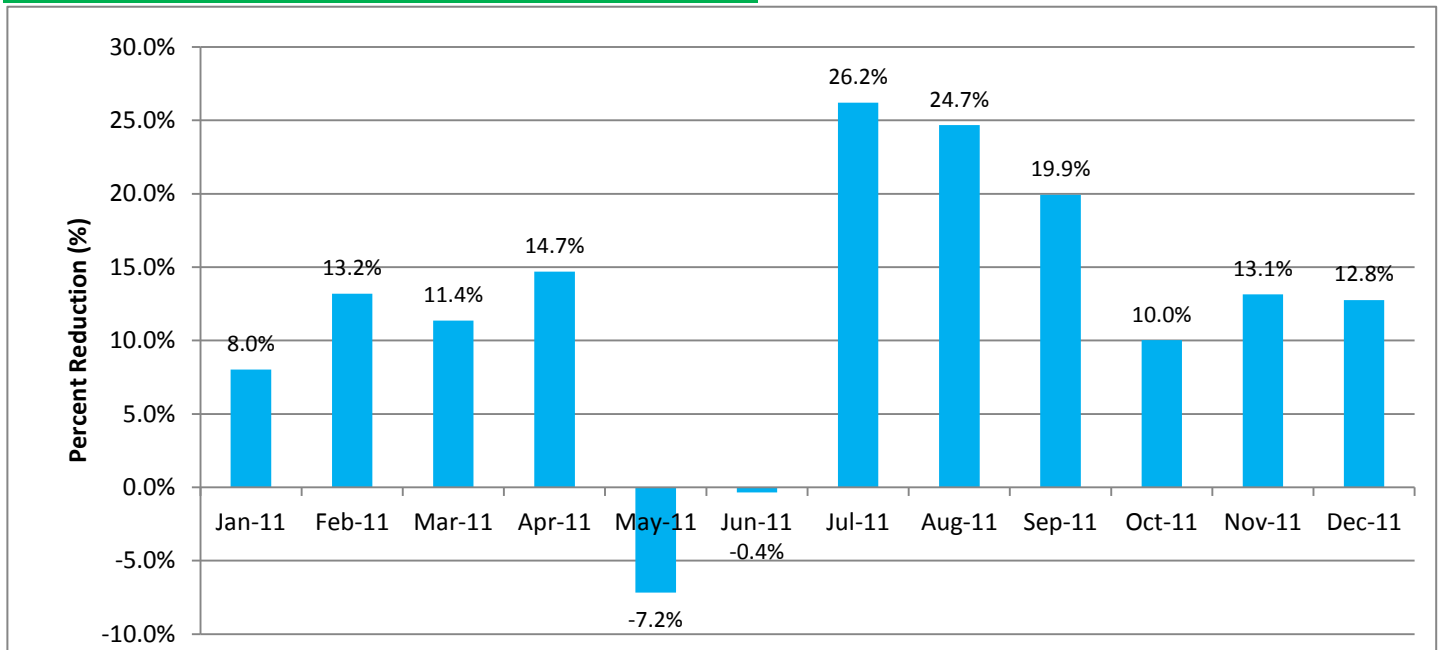
Contract Year to Date (since 01/2011)

- ❖ Consumption reduction¹ :
 - Energy reduction: **10.6%**
- ❖ Financial savings : **\$386,785**
 - Electricity : \$256,856
 - Natural Gas : \$129,929
- ❖ GHG avoided emissions:
 - 2,504,442 lbs of CO2

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Monthly Energy Consumption Reduction Comparison



Current Profile (Past 12 months)

- ❖ Energy Intensity : 57 kBtu/SqFt

Baseline Profile (July 2009 – June 2010)

- ❖ Energy Intensity: 60 kBtu/SqFt

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City of Manchester

Energy Program Performance Summary

School Buildings

February 17, 2012

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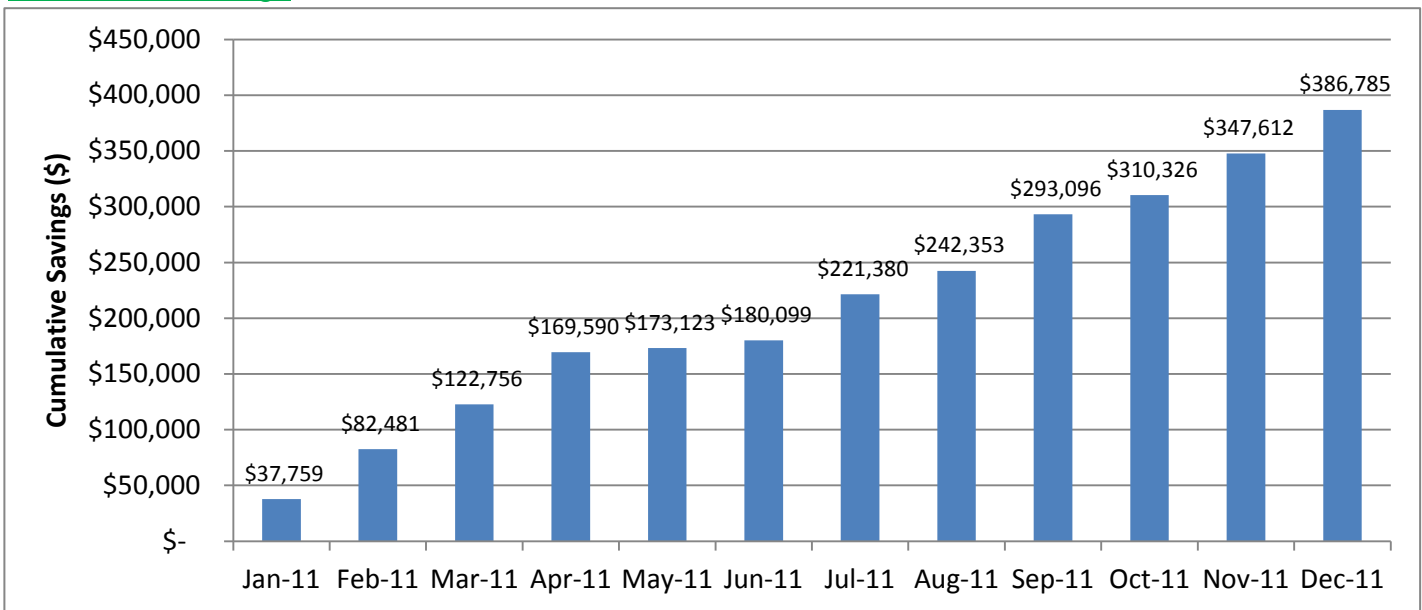
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Cumulative Savings



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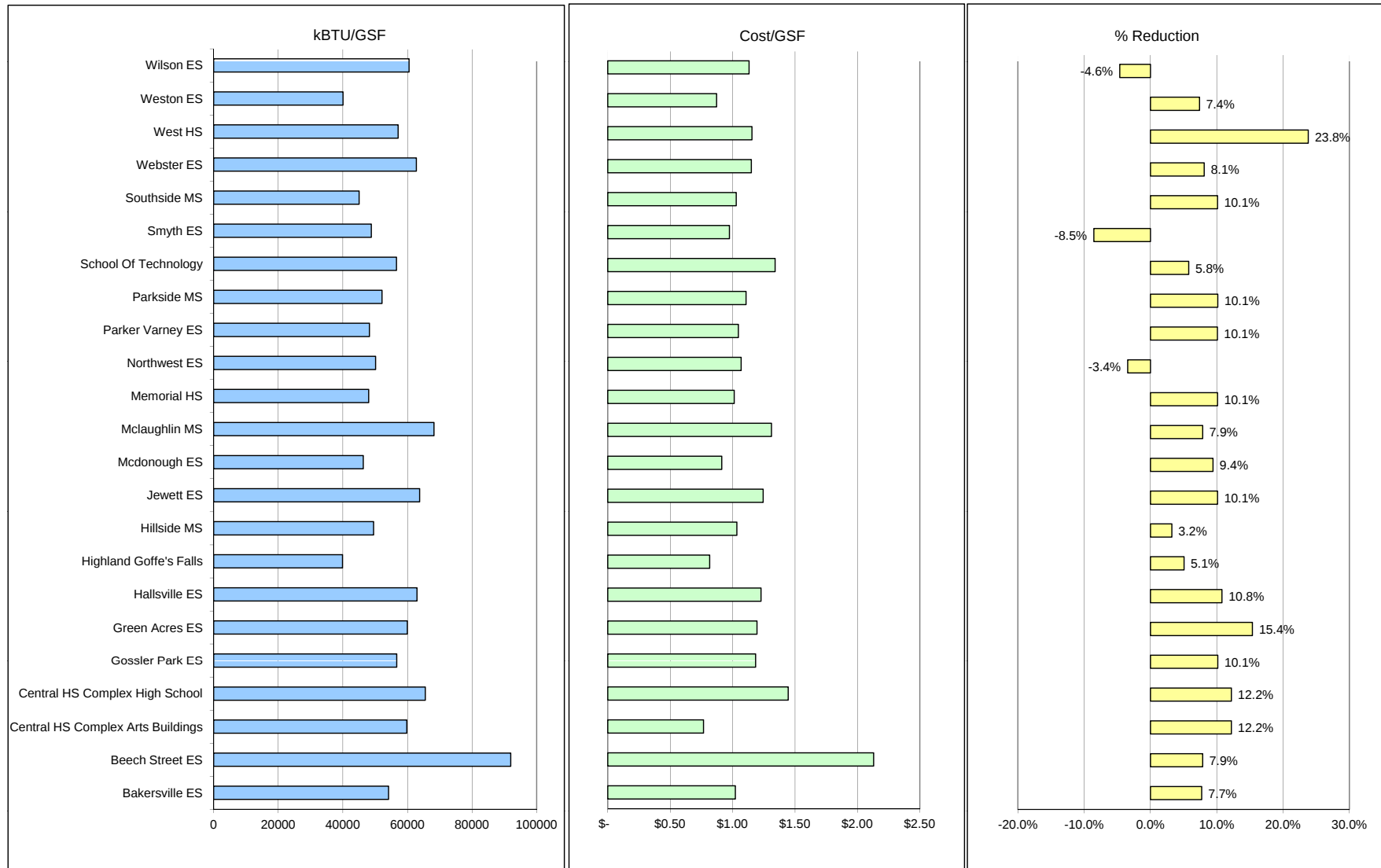
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City of Manchester - Building Energy Performance Comparison (School)

Annualized Through December 2011



City of Manchester

Energy Program Performance Summary

Municipal Buildings

February 17, 2012

Fourth Quarter Performance (2011)

- ❖ Consumption reduction¹ :
 - Energy reduction: **8.8%**
- ❖ Financial savings : **\$13,766**
 - Electricity : \$6,499
 - Natural Gas : \$7,267
- ❖ GHG avoided emissions:
 - 99,984 lbs of CO2

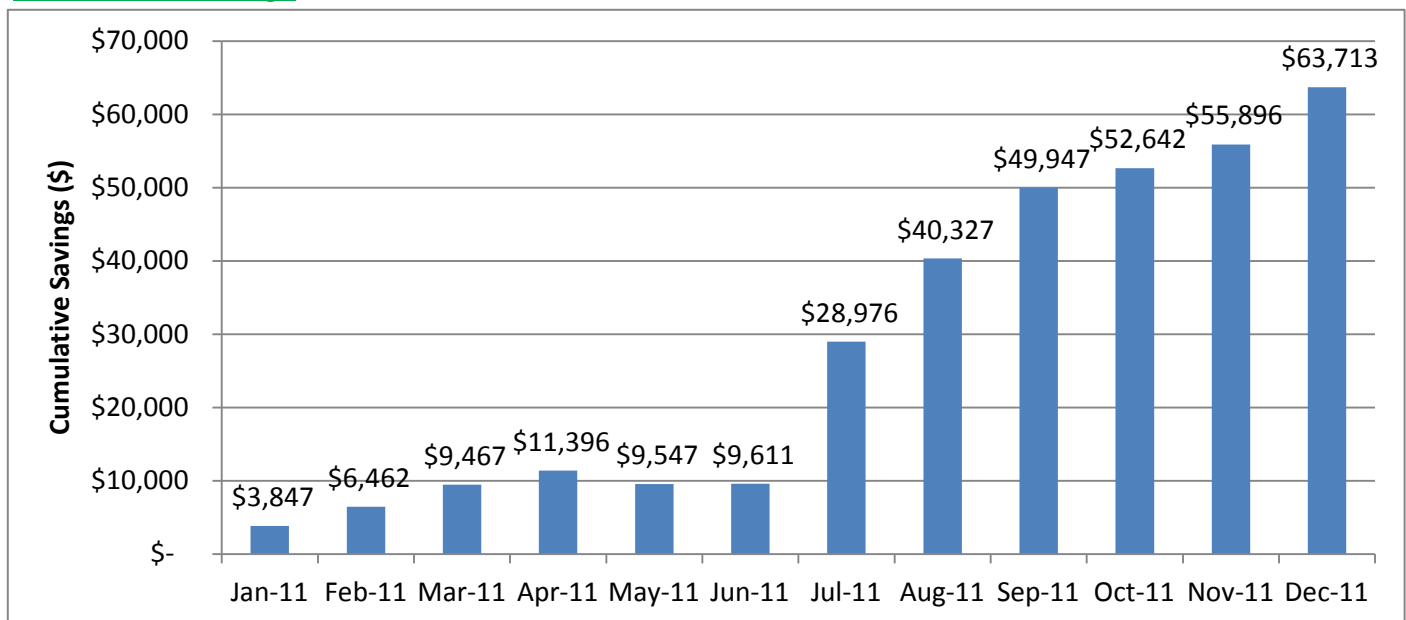
Contract Year to Date (since 01/2011)

- ❖ Consumption reduction¹ :
 - Energy reduction: **6.4%**
- ❖ Financial savings : **\$63,713**
 - Electricity : \$13,717
 - Natural Gas : \$49,996
- ❖ GHG avoided emissions:
 - 298,460 lbs of CO2

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Cumulative Savings



Current Profile (Past 12 months)

- ❖ Energy Intensity : 103 kBtu/SqFt

Baseline Profile (July 2009 – June 2010)

- ❖ Energy Intensity: 106 kBtu/SqFt

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City of Manchester

Energy Program Performance Summary

Municipal Buildings

February 17, 2012

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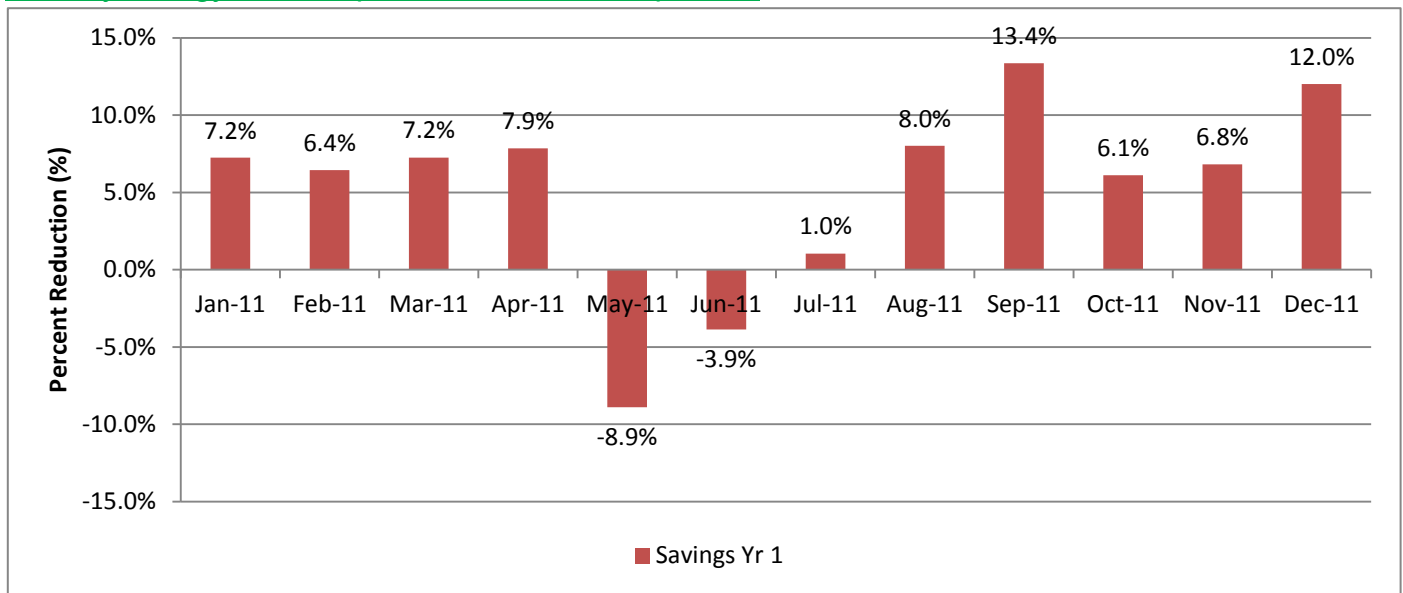
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Monthly Energy Consumption Reduction Comparison



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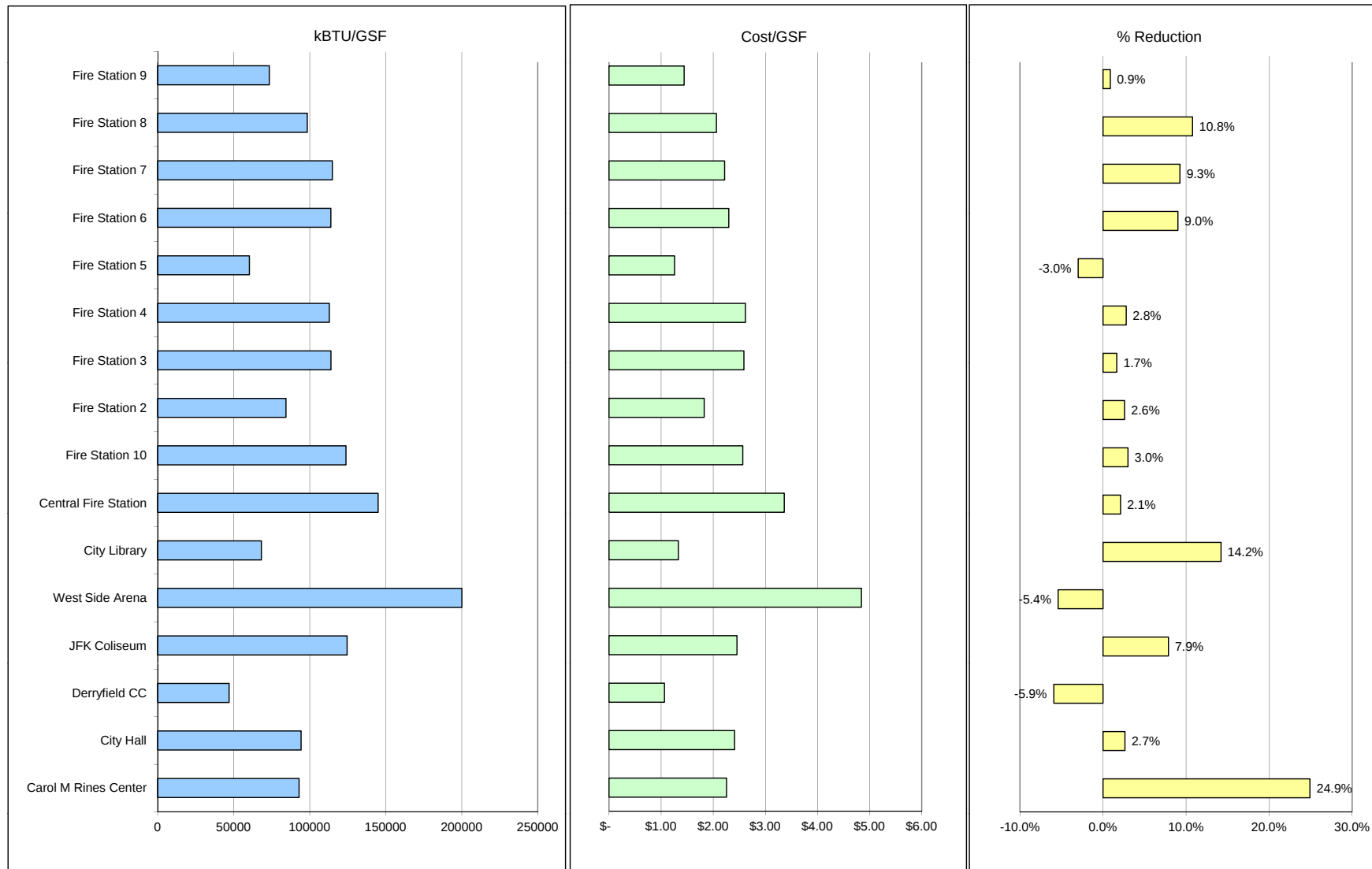
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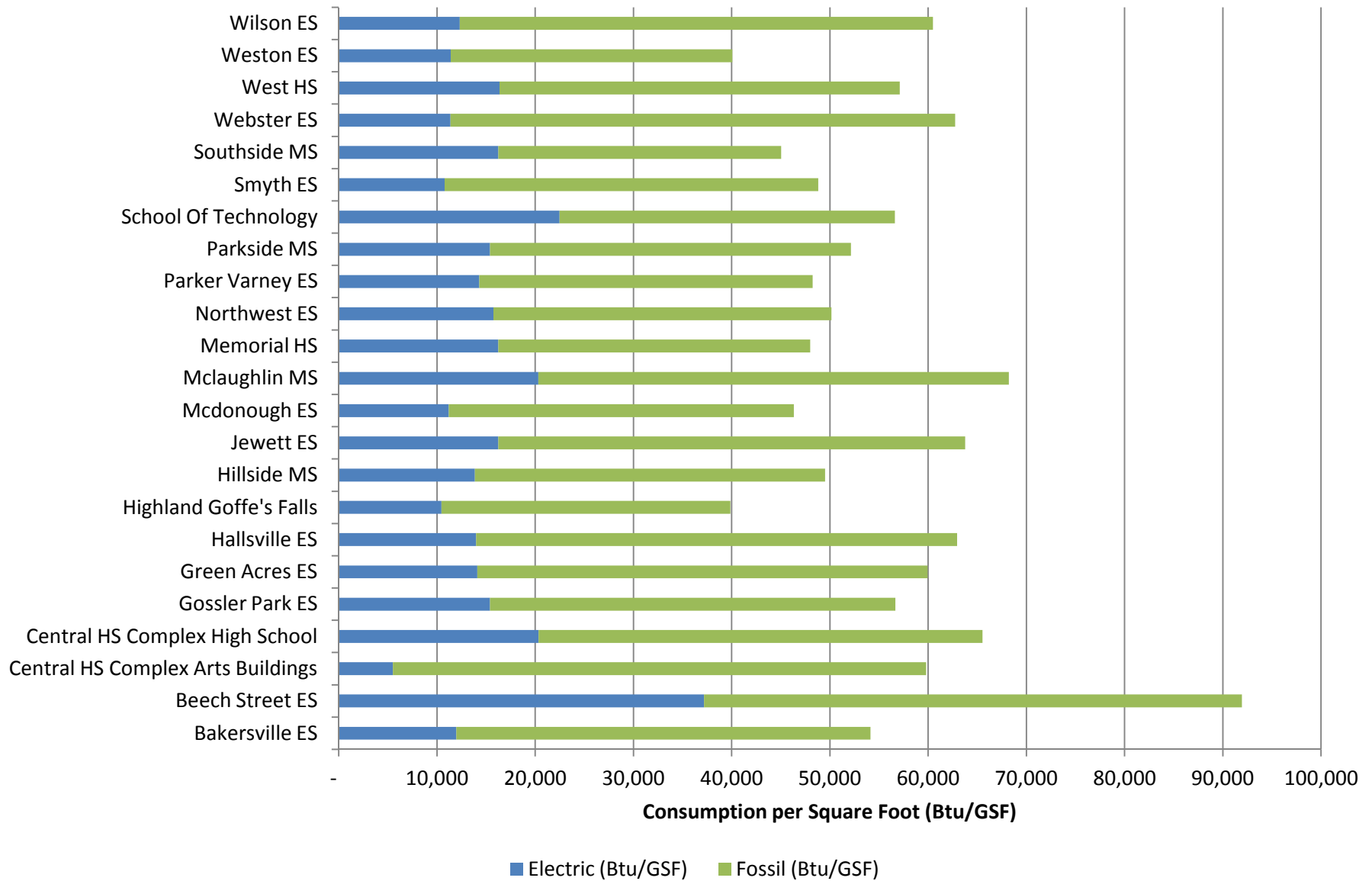
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City of Manchester - Building Energy Performance Comparison (Municipal)

Annualized Through December 2011



City of Manchester Building Benchmark - Schools **(Annualized through December 2011)**



City of Manchester Building Benchmark - City Buildings (Annualized through December 2011)

