



City of Manchester  
Energy Performance Report  
For the Period January 2012 thru March 2012

Prepared By:

Jeffrey Myrdek

ARAMARK Engineering Solutions

May 17, 2012

# City of Manchester

## Energy Program Performance Summary

May 18, 2012

### First Quarter Performance (2012)

- ❖ Consumption reduction<sup>1</sup> :
  - Energy reduction: **14.7%**
- ❖ Financial savings : **\$188,931**
  - Electricity : \$78,756
  - Natural Gas : \$110,176
- ❖ GHG avoided emissions:
  - 1,589,884 lbs of CO2

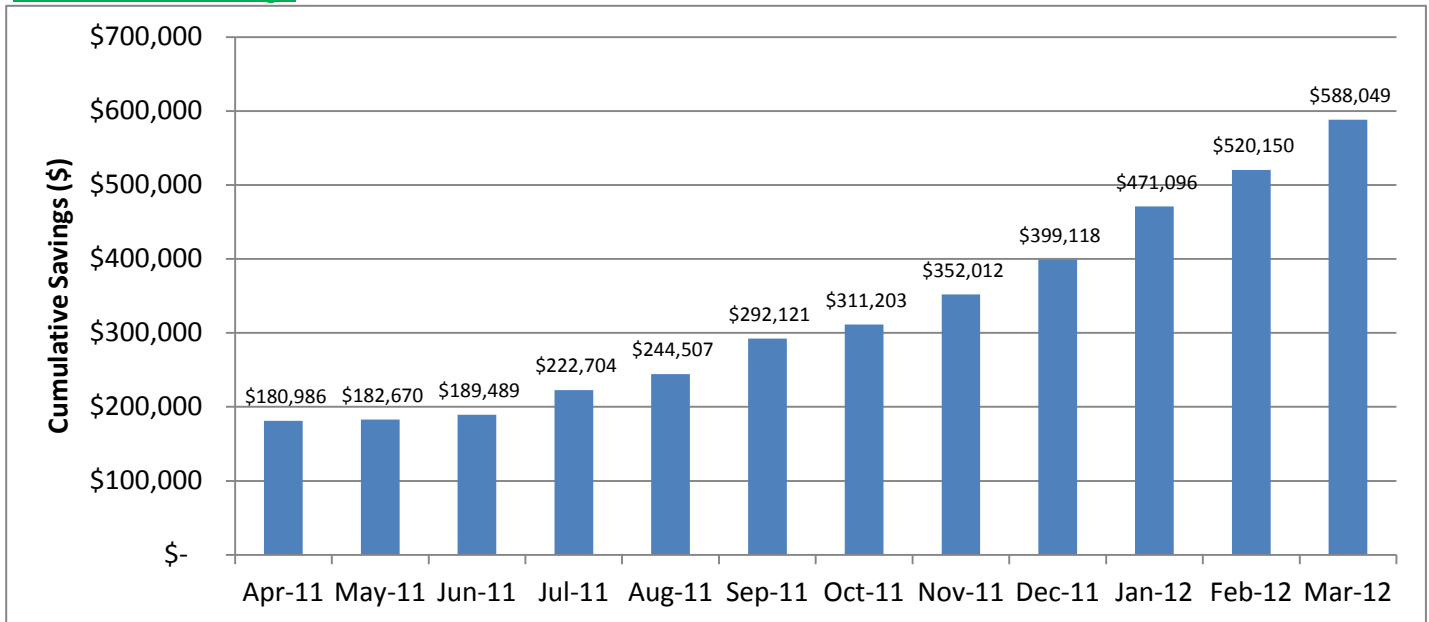
### Contract Year to Date (since 01/2012)

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### Total Performance to Date (since 01/2011)

- ❖ Consumption reduction<sup>1</sup> :
  - Energy reduction: **11.3%**
- ❖ Financial savings : **\$588,049**
  - Electricity : \$349,608
  - Natural Gas : \$238,441
- ❖ GHG avoided emissions:
  - 4,392,103 lbs of CO2

### Cumulative Savings



### Current Profile (Past 12 months)

- ❖ Energy Intensity : 57.0 kBtu/SqFt

### Baseline Profile (July 2009 – June 2010)

- ❖ Energy Intensity: 66.1 kBtu/SqFt

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

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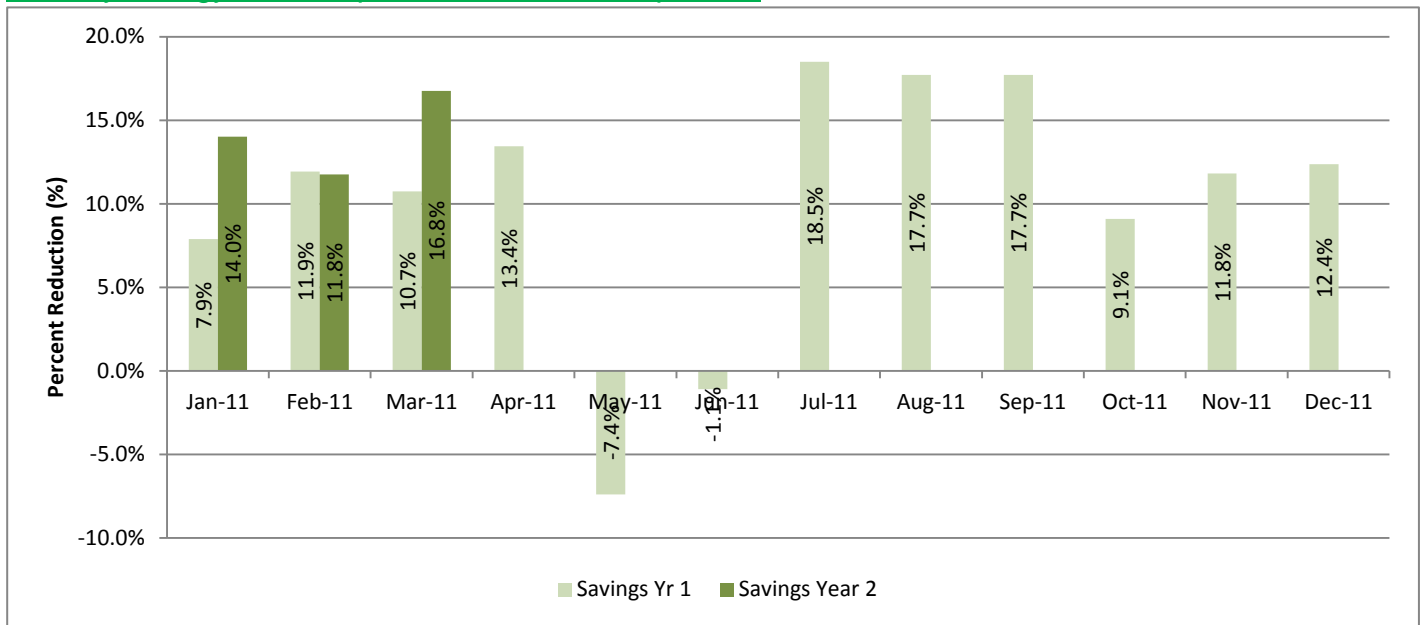
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### Monthly Energy Consumption Reduction Comparison



### Current Profile (Past 12 months)

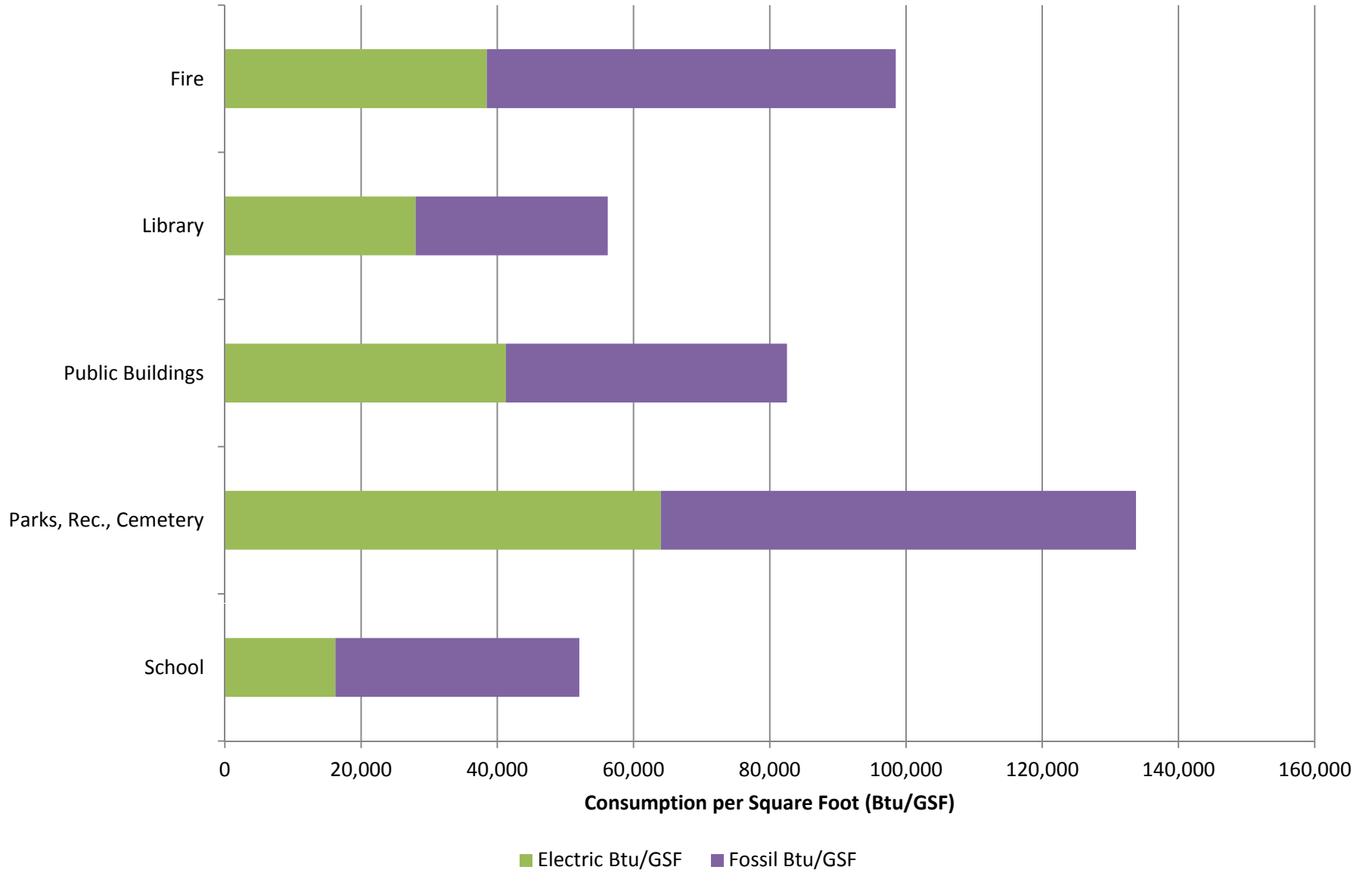
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### City of Manchester Building Benchmark (Annualized through March 2012)



# City of Manchester

## Energy Program Performance Summary

### Municipal Buildings

May 18, 2012

#### First Quarter Performance (2012)

- ❖ Consumption reduction<sup>1</sup> :
  - Energy reduction: **14.0%**
- ❖ Financial savings : **\$27,556**
  - Electricity : \$8,525
  - Natural Gas : \$19,030
- ❖ GHG avoided emissions:
  - 240,797 lbs of CO2

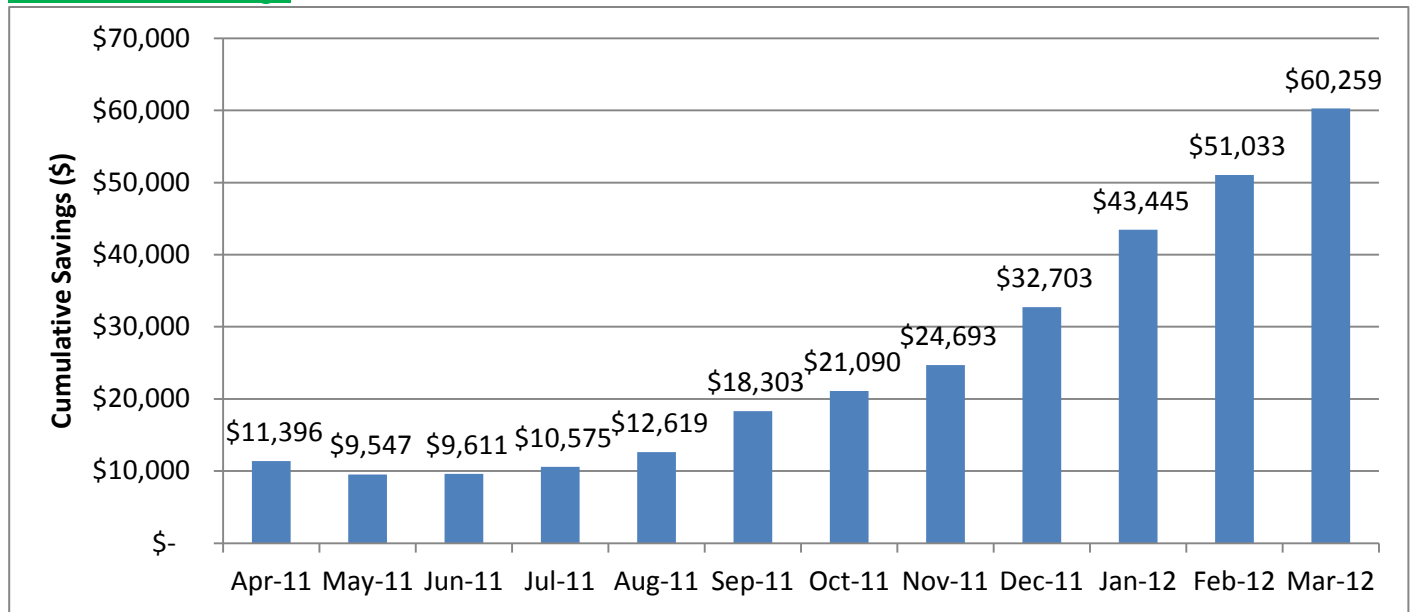
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#### Total Performance to Date (since 01/2011)

- ❖ Consumption reduction<sup>1</sup> :
  - Energy reduction: **8.5%**
- ❖ Financial savings : **\$60,259**
  - Electricity : \$22,436
  - Natural Gas : \$37,823
- ❖ GHG avoided emissions:
  - 540,424 lbs of CO2

#### Cumulative Savings



#### Current Profile (Past 12 months)

- ❖ Energy Intensity : 92 kBtu/SqFt

#### Baseline Profile (July 2009 – June 2010)

- ❖ Energy Intensity: 106 kBtu/SqFt

<sup>1</sup> 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

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### Municipal Buildings

May 18, 2012

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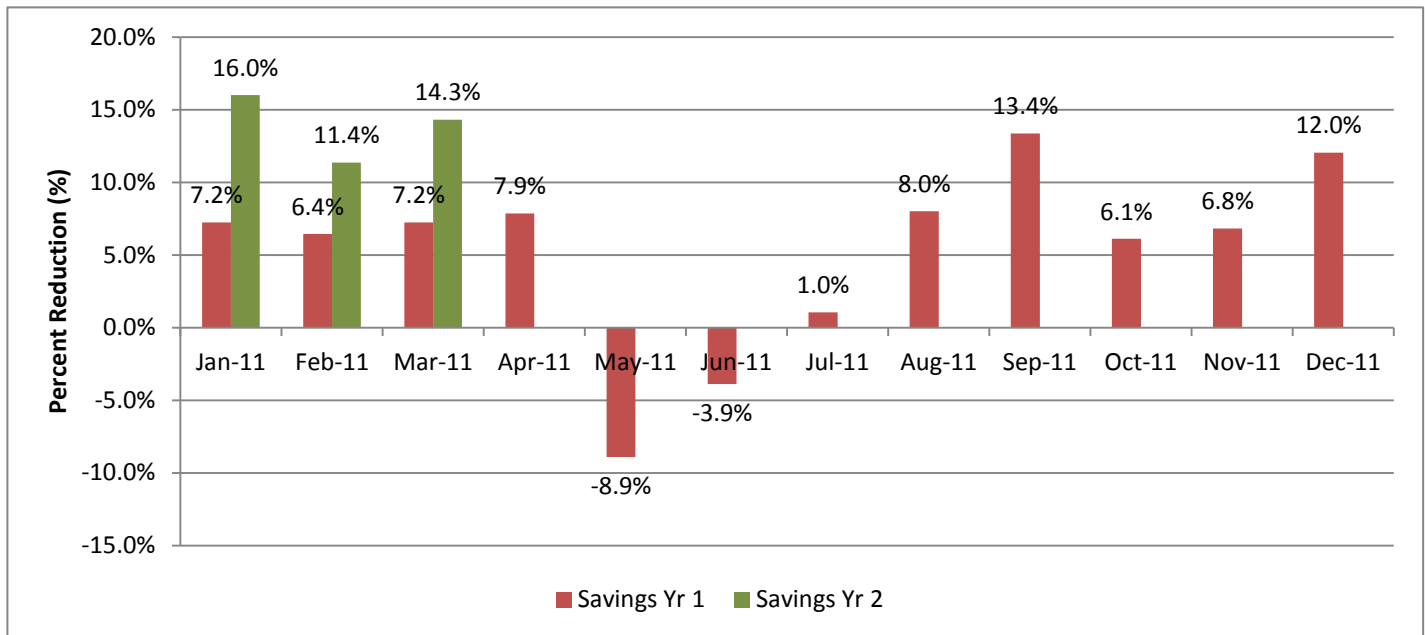
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#### Monthly Energy Consumption Reduction Comparison



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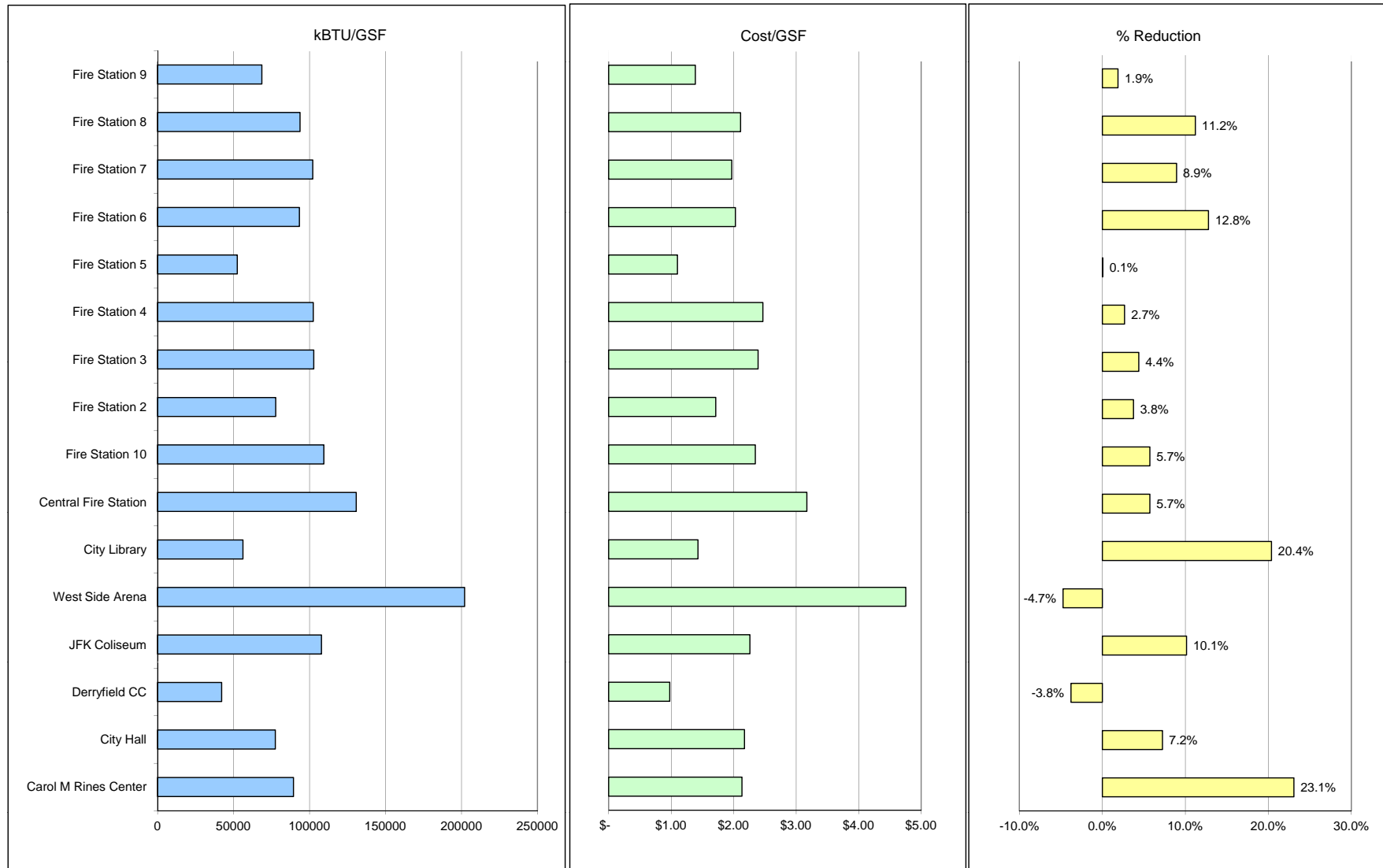
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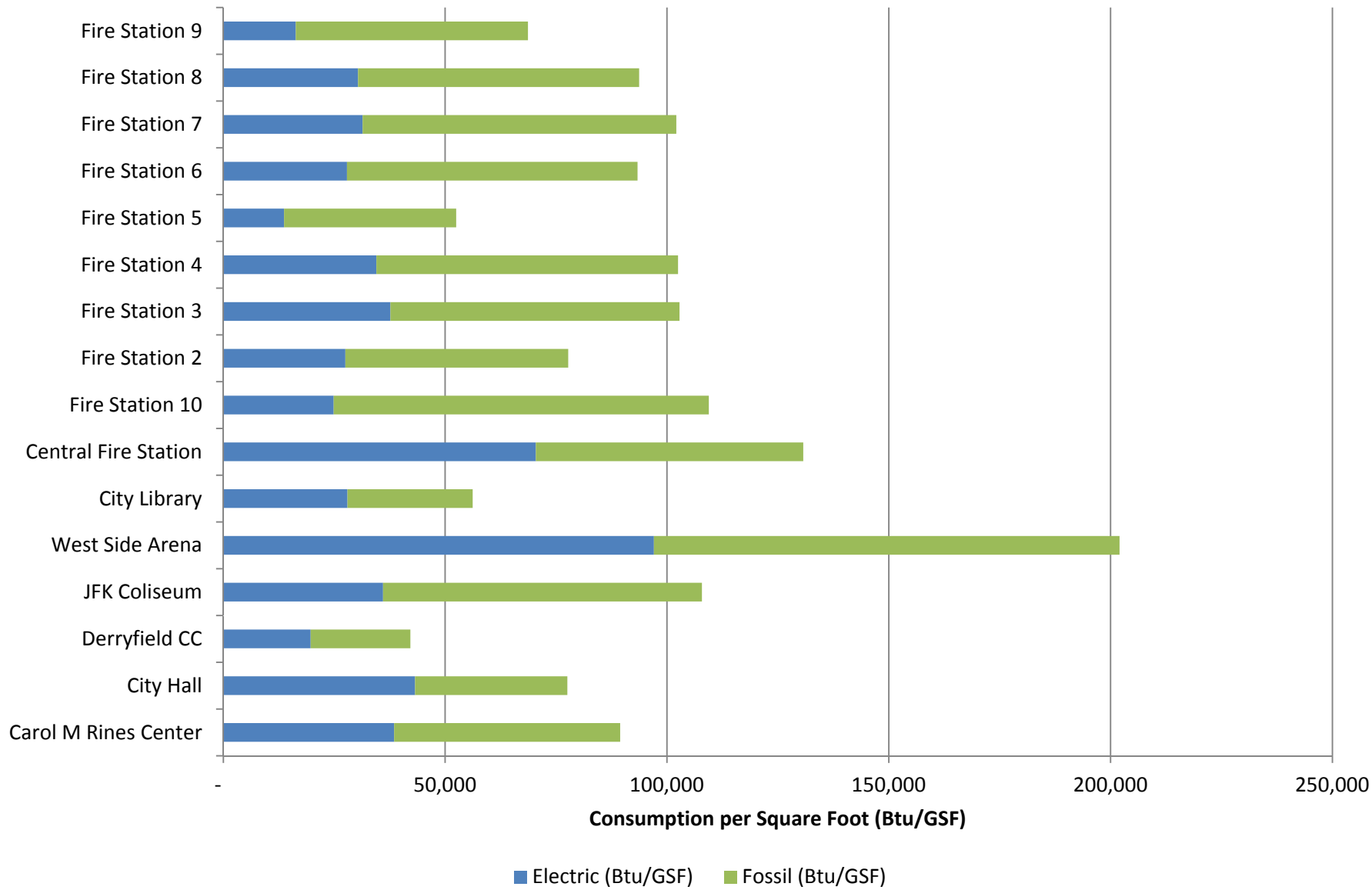
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### City of Manchester - Building Energy Performance Comparison (Municipal) Annualized Through March 31, 2012



### City of Manchester Building Benchmark - City Buildings (Annualized through March 2012)





# City of Manchester

## Energy Program Performance Summary

### School Buildings

May 18, 2012

#### First Quarter Performance (2012)

- ❖ Consumption reduction<sup>1</sup> :
  - Energy reduction: **14.8%**
- ❖ Financial savings : **\$161,376**
  - Electricity : \$70,230
  - Natural Gas : \$91,146
- ❖ GHG avoided emissions:
  - 1,349,087 lbs of CO2

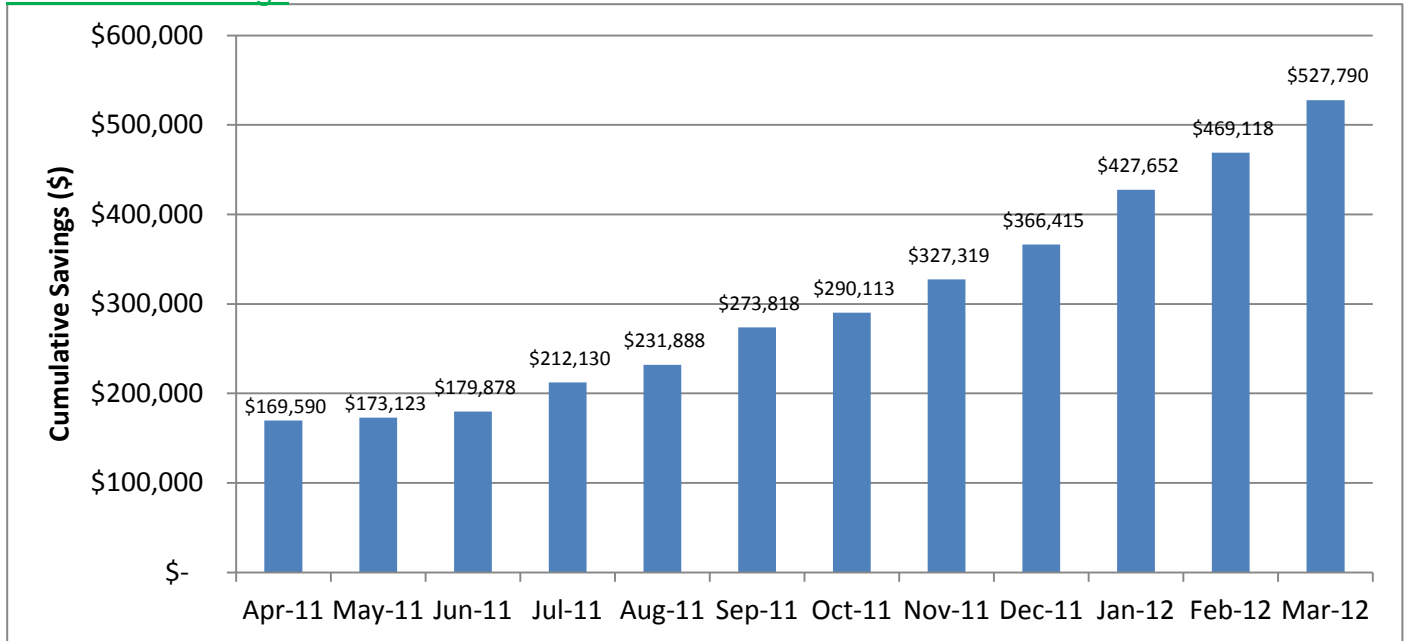
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- ❖ GHG avoided emissions:
  - 1,349,087 lbs of CO2

#### Total Performance to Date (since 01/2011)

- ❖ Consumption reduction<sup>1</sup> :
  - Energy reduction: **11.9%**
- ❖ Financial savings : **\$527,790**
  - Electricity : \$327,172
  - Natural Gas : \$200,618
- ❖ GHG avoided emissions:
  - 3,851,679 lbs of CO2

#### Cumulative Savings



#### Current Profile (Past 12 months)

- ❖ Energy Intensity : 52 kBtu/SqFt

#### Baseline Profile (July 2009 – June 2010)

- ❖ Energy Intensity: 60 kBtu/SqFt

<sup>1</sup> 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

### School Buildings

May 18, 2012

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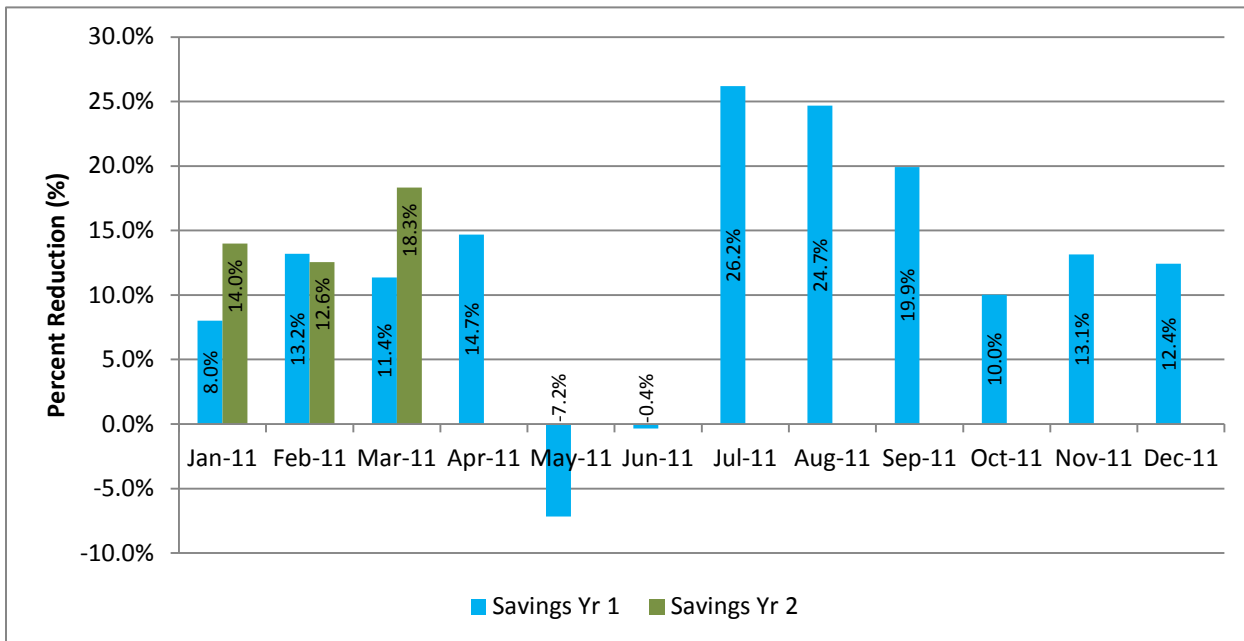
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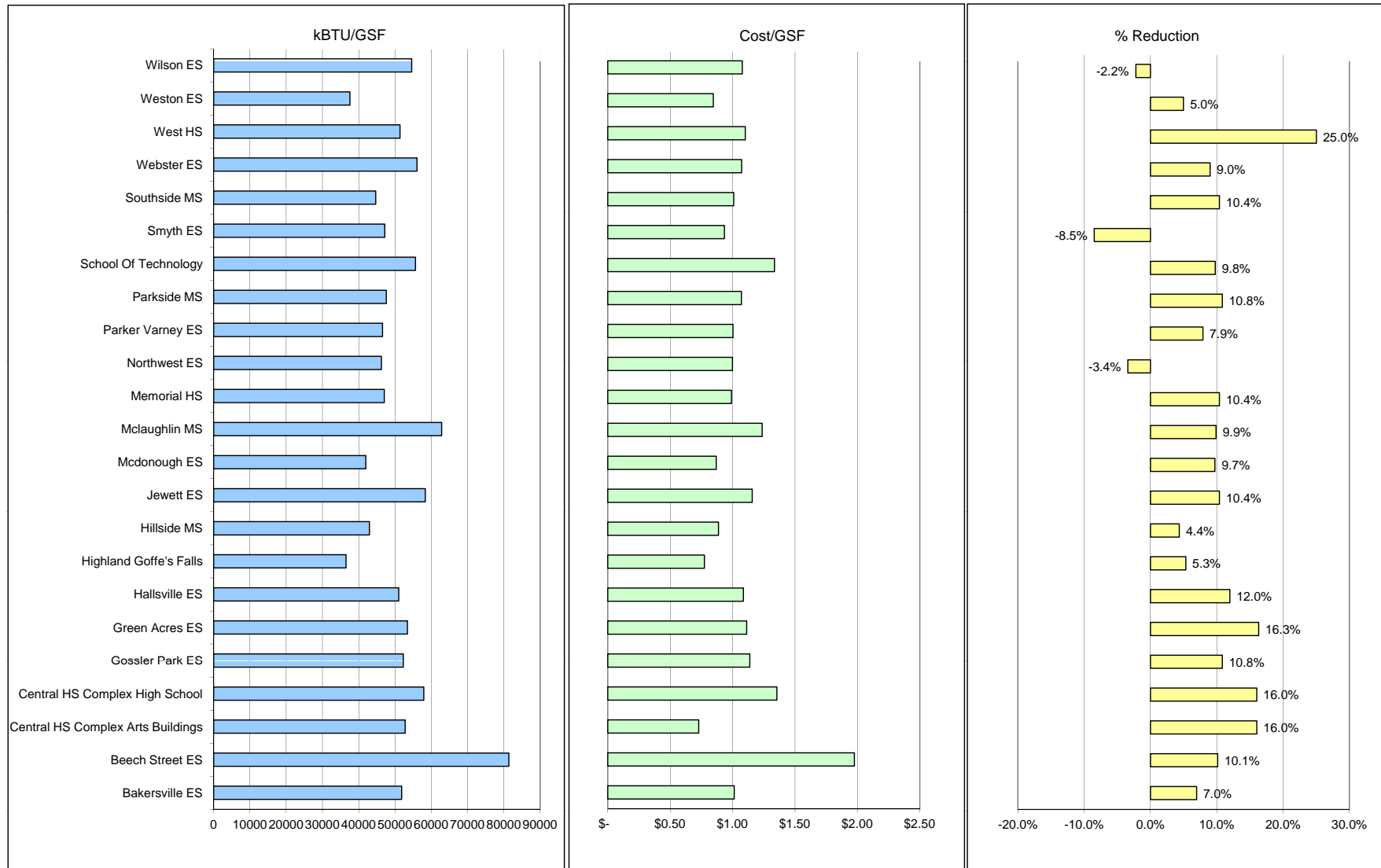
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### City of Manchester - Building Energy Performance Comparison (School) Annualized Through March 31, 2012



### City of Manchester Building Benchmark - Schools (Annualized through March 2012)

