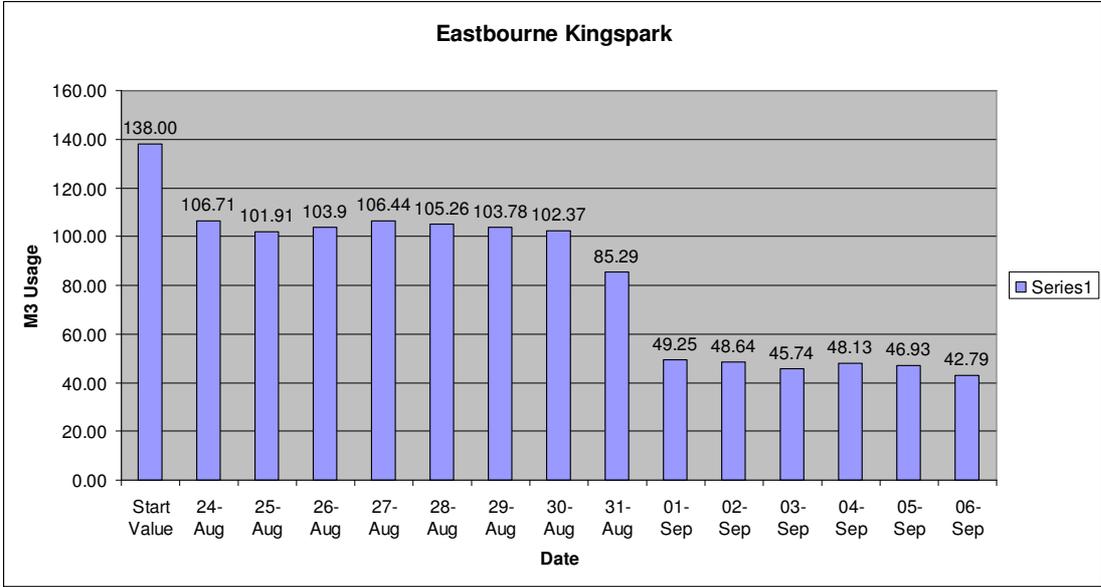


Client	Meter Technology Services (MTS)																																
Location	Client site at Kings Park, Eastbourne																																
Background	MTS provided automated metering reading (AMR) technology to Kings Park, a residential site of 190 properties on the Eastbourne coast. Following the AMR installation MTS approached Mouchel to assist with the understanding of the high Water use and to provide a programme of efficiency solutions to reduce consumption on site.																																
Key Activities	<ul style="list-style-type: none"> • Desk top mass balance to determine the potential water losses and likely savings for the site. • Produce a programme of works to investigate and identify key source of water loss, excessive consumption and defective apparatus • Site investigation and identification of losses (leakage detection survey) • Remedial works to repair leaks and replace essential assets to ensure the control and isolation of the network • Asset assessment 																																
Outcomes	<p>Following the 5 phases of work the total site consumption reduced from the original 138m³ to 43m³ – This is a total saving of 95m³ per day. Based on the Water charge figure of £1.28 /m³ this give a total annual saving of £44,300.</p> <div data-bbox="354 1057 1455 1644" data-label="Figure">  <table border="1"> <caption>Eastbourne Kingspark - M3 Usage Data</caption> <thead> <tr> <th>Date</th> <th>M3 Usage</th> </tr> </thead> <tbody> <tr><td>Start Value</td><td>138.00</td></tr> <tr><td>24-Aug</td><td>106.71</td></tr> <tr><td>25-Aug</td><td>101.91</td></tr> <tr><td>26-Aug</td><td>103.9</td></tr> <tr><td>27-Aug</td><td>106.44</td></tr> <tr><td>28-Aug</td><td>105.26</td></tr> <tr><td>29-Aug</td><td>103.78</td></tr> <tr><td>30-Aug</td><td>102.37</td></tr> <tr><td>31-Aug</td><td>85.29</td></tr> <tr><td>01-Sep</td><td>49.25</td></tr> <tr><td>02-Sep</td><td>48.64</td></tr> <tr><td>03-Sep</td><td>45.74</td></tr> <tr><td>04-Sep</td><td>48.13</td></tr> <tr><td>05-Sep</td><td>46.93</td></tr> <tr><td>06-Sep</td><td>42.79</td></tr> </tbody> </table> </div>	Date	M3 Usage	Start Value	138.00	24-Aug	106.71	25-Aug	101.91	26-Aug	103.9	27-Aug	106.44	28-Aug	105.26	29-Aug	103.78	30-Aug	102.37	31-Aug	85.29	01-Sep	49.25	02-Sep	48.64	03-Sep	45.74	04-Sep	48.13	05-Sep	46.93	06-Sep	42.79
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Dates	<p>June to Sept 2011</p> <p>Mouchel are currently in discussion with the client and site owner with regard to a programme of works to upgrade and replace section of the water network to further reduce water losses and improve security of supplies.</p>																																

Client	BRE Facilities Group via Affinity Water (formally Veolia)
Location	BRE Garston (Building Research Establishment)
Background	<p>BRE have a significantly aged network on their extensive site. Over many years they have encountered numerous problems with the control and management of their network and have seen dramatic increases in water usage and costs.</p> <p>BRE approached Affinity Water, their water supplier to ask for assistance in evaluating and managing water usage. As a primary supplier of commercial solution to Affinity Water Mouchel were commissioned to assist BRE in achieving their objectives.</p>
Key Activities	<ul style="list-style-type: none"> • Desk top mass balance to determine the potential water losses and likely savings for the site. • Developed a programme of works to investigate and identify key source of water loss, excessive consumption and defective apparatus • Complete asset surveying and records update. Including historical defect identification to assess asset condition. • Prioritised programme of remedial works, asset replacement and new installations • Repair of 6 significant network leaks, the insertion of a number of new valves on the network for greater control, installation of an AMR solution to sub meter tenants and provide accurate real time consumption information, renewal of a 14m section of fire main. • Update of all site records and asset data and plans • Currently in discussion with customer about a complete mains renewal program for the site and pressure management to reduce consumption
Outcomes	To date, through our works on site as outlined above, we have reduced the consumption at BRE by 120m ³ /day this give a total annual saving of approximately £77,000
Dates	From Feb 2012 - Ongoing

Client	Essex & Suffolk Water Ltd (Part of Northumbrian Water)
Location	Essex & Suffolk
Background	<p>Mouchel have been engaged in a collaborative working project with Essex & Suffolk Water Ltd and Waterwise to deliver the H2eco' initiative.</p> <p>This initiative gave homeowners the opportunity to choose from a selection of free water efficiency products for the home and garden to reduce water consumption and therefore the cost of their annual water bills. Mouchel delivered the full programme of site works including customer interface and education and then managed and delivered all of the remedial installations.</p>
Key Activities	<p>Phase 6 activities:</p> <ul style="list-style-type: none"> • Over 15,000 customers contacted • Over 3,000 audits completed • Over 20,000 individual products/services supplied and or installed. • 99.6% positive customer satisfaction
Outcomes	<ul style="list-style-type: none"> • Actual savings of 44.6 litres per property per day from a sample of over 1,000 homes that had before, during and after meter readings. This equates to a total potential saving of 48,000m³ per year.
Dates	Since 2008 - Ongoing