



Ashford Borough Council see 37% reduction in their energy usage - after just one month of monitoring

THE BACKGROUND

MeasureMyEnergy and The Green Consultancy Inc Limited (GCI) have worked together in partnership for many years with a number of successful projects. GCI are a consultancy company helping businesses to reduce their energy expenditure and consumption.

Ashford Borough Council is a local authority providing services to residents in Ashford, Tenterden and a large network of surrounding villages. The council hold a commitment to reduce carbon emissions from their estate by 30% by 2015, in adherence to their own Carbon Management plan.

Ashford Borough approached energy consultancy GCI Ltd to assist them in reducing the energy consumption at their Civic Centre and GCI recommended the MeasureMyEnergy solution for the energy management part of the project.

PROJECT AIMS

The journey in the long term would include installation of LED Lighting, Solar PV and other sustainable/renewable technologies.

Before any of this work could be considered, there was a need to fully understand exactly how the council's energy was currently being used - and if any unnecessary waste could be eradicated.

Having the monitoring identifies waste and potential savings and once these savings have been identified then targeted investments could be made, assisting the council to make smarter energy efficiency choices.

"We have used the system to map our energy throughout our organisation, allowing us to pinpoint areas we can make further saving in the future and giving us details on usage to prove the possible savings before moving forward."

- Peter Brooker, Facilities Officer



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THE SOLUTION

MeasureMyEnergy supplied two Power Distribution Monitors (PDM) to monitor 42 individual circuits that supply electrical power to the various departments within the Civic Centre; these included the server room air conditioning, power to the printing facilities and lighting on the second floor of the East wing.

The PDM's collect this data and send it to the cloud based analytics platform, where it is processed and displayed within the portal. Working hours of the Civic Centre were then integrated into the super intuitive online display allowing Ashford Borough Council to quickly and easily establish patterns of use and determine where behavioural change may potentially prevent wasted energy consumption.

Having the visibility to see each individual appliance's energy activity allowed for actionable insights to improve the council's operating performance and more importantly, reduce their bottom line.

THE OUTCOME

Since the project began, the collective Out-Of-Hours consumption of the Civic Centre's East and West wings has reduced by around 37%.

Identifying several small items have made this big difference, such as the shift patterns of cleaning staff and deployment of inexpensive timer switches on printers and other standby items.

Ashford Borough Council have since used the MeasureMyEnergy technology to prove and track their subsequent LED lighting investment and are monitoring their solar generation to evidence even further reductions in costs and carbon.

"Since installation, we have managed to reduce our overall energy use thanks to the information made available by MeasureMyEnergy. We've achieved this by addressing individual items such as out-of-hours energy by department, including building services equipment like air handling and air-con in each area"

At a Glance

Industry - Public Sector

Savings Achieved - 37%

Benefits - Energy Reduction / Behavioural Change / Proof of concept for LED & Solar

