



Energy Solutions

Power Calderdale

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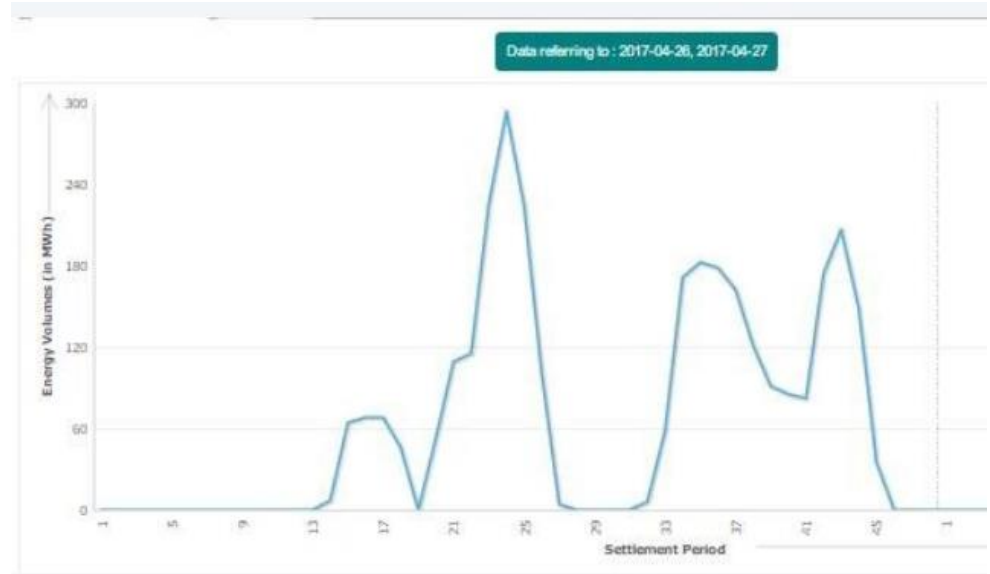
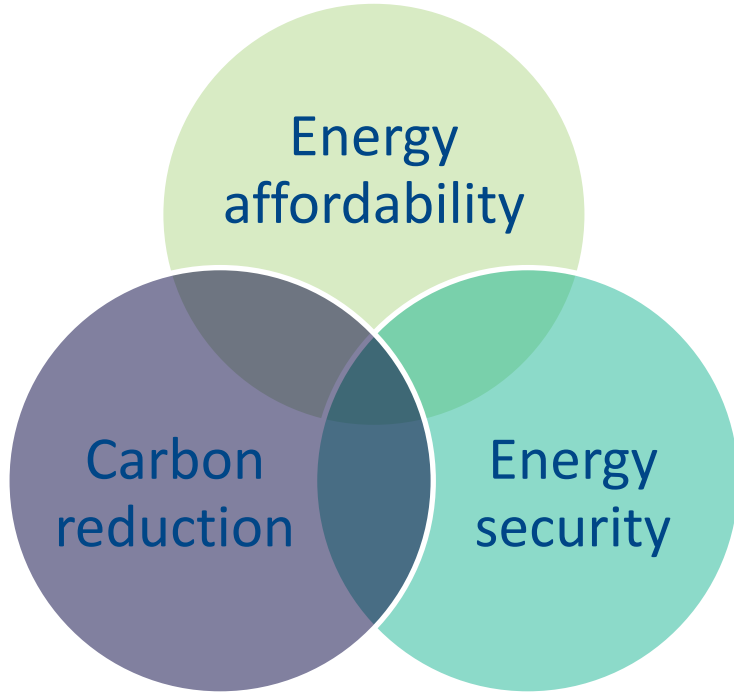
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Your energy bill



The energy trilemma



“...the cheapest kWh is the one
you don't use...”

Reducing demand: Data led approach



Tariff

Identification of high cost periods

The Tariff report allows users to compare actual costs versus your actual consumption via our tariff engine.

The Tariff report identifies the periods of time when energy usage costs the most, which are not always necessarily the highest usage periods, and exactly how much is spent during these periods.

The data is displayed in a simple and efficient format that allows the users to take immediate action and implement correct energy conservation on high usage, and save money, rather than wasting time on extensive data gathering.

Features

- Cost period analysis
- Identification of high cost periods
- Easy graphical visualisation

Benefits

- Be able to pinpoint & target high cost periods with energy conservation schemes
- Reduce energy consumption & cost



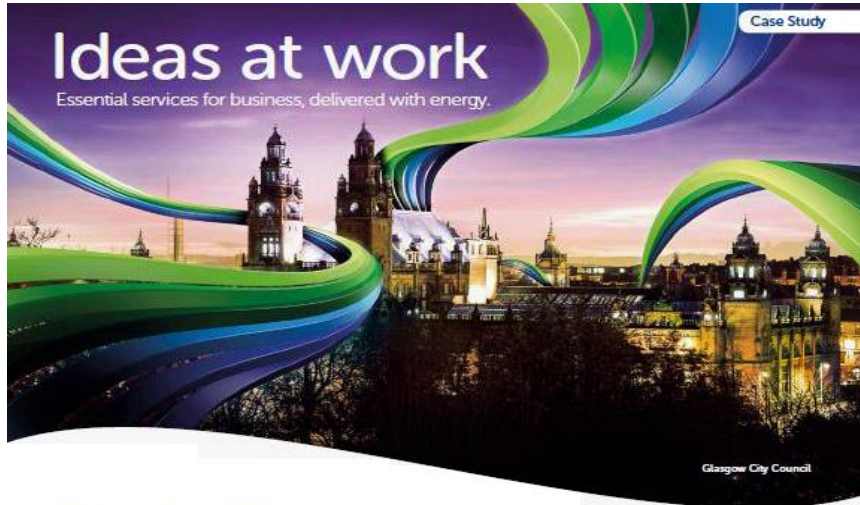
Reducing demand: Controlling assets (BEMS)



How The London Marriott County Hall saved over 1.5 million kilowatt hours.

- New BMS system;
- £150,000 CAPEX
- 12 month payback period
- 1GW reduction in electricity
- 0.5 GW gas

Reducing demand: Energy ICT



Educating Glasgow in energy efficiency.

Glasgow City Council operates over 700 buildings. Around one third of those are schools, running nearly 20,000 ICT devices. It's an area of energy use that's rarely considered. Yet, SSE Enterprise's pilot project showed a 9% saving – worth £4,500 per week across just 29 schools.

- Installation of an Energy ICT “BMS” system;
- £1m savings per annum
- <12 months energy savings
- Low risk

Reducing demand: Energy Performance Contracts



- Up to £2m CAPEX
- 14 buildings in Phase 1
- 10 year payback period
- Min of 20% reduction
- HVAC
- LED Lighting
- Controls
- Renewables
- Energy Storage

Put simply...

EPC Lite (10 to 15% savings | 3-5 year pay back across non complex buildings)

EPC Standard (20% savings across a diverse estate with multiple solutions. 10-12 year payback)

EPC Max (Target 30% including revenues from ESS and DSR. 8 to 12 year payback)

A final thought for ongoing discussion:

“A community energy company supplying local self generated renewable power to the public sector, local businesses and residents?”

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