

## Rotherham Metropolitan Borough Council earns additional revenue and improves site resilience

### Partner Profile

<b>Location</b>	Rotherham
<b>Assets</b>	Standby diesel generation
<b>Services</b>	STOR and triad management
<b>Revenue</b>	Over £30,000 pa
<b>Capacity</b>	800kW

Rotherham is one of four metropolitan districts which make up South Yorkshire and provides services to a population of more than 250,000 residents. The full council comprises of 63 councillors.

### RMBC and Flexitricity

Rotherham MBC's head office has standby diesel generation assets designed to provide resilience in the event of mains electricity failure. By connecting these assets to Flexitricity's demand-response portfolio, Rotherham MBC earns additional revenue and improves security of supply.



"Flexitricity have helped Rotherham MBC to take advantage of the STOR/triad management system using their smart grid system to bring new revenue to the council and reduce carbon emissions. Regular running also improves the reliability of the generator sets."

Steven Cope, Environmental Manager, RMBC

## STOR and triad management

By making its standby generator available to Flexitricity when not required for local generation, Rotherham MBC provides 800kW of capacity to help support National Grid during winter peaks or other periods of stress in the national electricity system.

**Short-Term Operating Reserve (STOR)** is one of National Grid's most important tools for securing the national electricity system in real time. Fast-acting generators are held in readiness so that Flexitricity can start them when National Grid runs short of electricity. This can happen if a power station fails, or if demand is unexpectedly high.

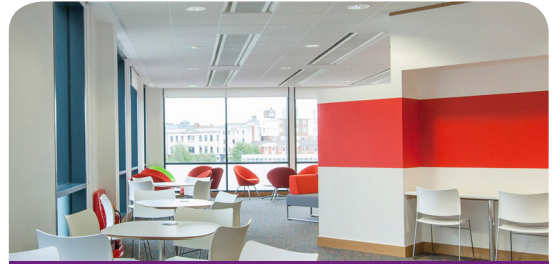
Flexitricity delivers reserve energy to National Grid using a fully-automated control and monitoring system. The generators at Rotherham MBC are operated remotely in response to national or regional needs, while ensuring that the council's core requirement for standby power is always met. This fully-managed service optimises revenue using a tailored control approach and intelligent arbitraging between services.

**Triad management** at Rotherham MBC is complementary to its STOR participation. During the November to February triad season, Flexitricity remotely starts generation during likely triad periods. This lowers site consumption and reduces the triad charges on the site's electricity bills.

### The future

Rotherham MBC are currently investigating the feasibility of connecting an additional 400kW of generation to Flexitricity's demand-response platform for participation in STOR and triad management.

Rotherham MBC will also participate in the first year of the Capacity Market through Flexitricity, and will earn CM revenue from 2018 onwards.



### Key Facts

800kW of generating capacity can be automatically turned on for short periods

Reduces national carbon dioxide emissions

Over £30,000 earned every year

No disruption to core processes

### About Flexitricity

Flexitricity created and now operates the first, largest and most advanced demand-response portfolio in GB. We bring revenue to British businesses, increase asset reliability, reduce national CO2 emissions and help to secure energy supplies.

We have the largest number of connected industrial and commercial customers, the most diverse customer base, and the broadest portfolio of services.

We are Britain's demand-response leader.

View more Flexitricity case studies at:  
[www.flexitricity.com/casestudies](http://www.flexitricity.com/casestudies)

**To request more information about Flexitricity's demand response services:**

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