

# flexitricity

Unlocking smart grid revenue

## Help us shape the future.



## Your organisation's chance to help us develop a smarter electricity network for London.

**London and your organisation have a unique opportunity to participate in the drive towards low carbon cities.**

**We are Flexitricity – we have been selected to work with London businesses and organisations like yours to demonstrate how to make a low carbon, high value future possible.**

### **What is Low Carbon London?**


Low Carbon London (LCL) is a “smart city” initiative that will use London to demonstrate how cities can implement smarter electricity networks to manage the demands of a low carbon economy – the programme encompasses everything from utilising spare generating capacity and turning down consumption at times of high usage, through to understanding how electric vehicles and wind power will be embraced in the future.

Through LCL, Flexitricity will be deploying established technologies into a new initiative, delivering real revenues to you and the London economy while reducing carbon at a national level.

### **Who is behind Low Carbon London?**

LCL is a collaboration between UK Power Networks (UKPN) and commercial partners including us – Flexitricity. UKPN is the company that distributes electricity across London, the East of England and the South East of England – the company owns and operates the network of cables and power lines that deliver electricity to London businesses.

[www.flexitricity.com](http://www.flexitricity.com) 0845 223 5334



Flexitricity created and now operates the first, largest and most advanced smart grid system in the UK – bringing revenue to UK businesses, increasing asset reliability, reducing national CO<sub>2</sub> emissions and helping to secure energy supplies for a low carbon economy.

Together we are committed to developing a smarter electricity network that embraces the interests of London – we will be financially rewarding industrial and commercial customers for a more flexible and ‘greener’ approach to their electricity demand.

### **Which organisations are candidates for LCL?**

Most businesses and non-commercial organisations are sitting on untapped sources of revenue, in their standby generators, electricity consuming equipment and combined heat and power (CHP) generators. Flexitricity provides access to this revenue, which can exceed £100,000 per annum on a single, medium-sized industrial site.

Within our Low Carbon London remit we are recruiting medium-to-large companies and non-commercial organisations to deploy demand side management and flexible generation services – this is where we interact with on-site

systems and equipment to turn-down your energy demand or utilise your electricity generating equipment to help us balance electricity supply at a local or national level.

### **How does Flexitricity’s system work?**

Our smart grid system communicates directly with clients’ equipment via an on-site Flexitricity outstation which controls generation or turns-down consumption within minutes of receiving a request from UKPN or National Grid.

Your building/facility may have standby diesel generators on-site that provide a back-up power supply for your operations, or you may be generating your own electricity using combined heat and power (CHP) equipment. You may also have electrical loads which can be turned down for a few hours without affecting core business. All assets connected to Flexitricity’s smart grid are monitored remotely and clients benefit from us making sure that equipment is working as expected. All client sites can ‘opt out’ either manually or automatically at any time. Flexitricity doesn’t attempt to use equipment at any site if doing so would affect your core operations.

### **How will my organisation benefit from participating in LCL?**

Both UKPN and National Grid pay Flexitricity to hold reserve capacity available, and make further payments when this reserve electricity is required. We share these payments with clients, who own the assets we use. This turns assets which had previously been cost items into direct revenue generators.

By working with Flexitricity, London-based organisations can demonstrate to their stakeholders that they are using their assets in the most cost-effective and environmentally beneficial manner.

### **What happens next?**

LCL has been designed to promote good experience and ensure genuine customer engagement – therefore the most important step is to establish if your business is technically able to participate.

Please go to **[www.flexitricity.com](http://www.flexitricity.com)** to register your interest in Low Carbon London or call us on **0845 223 5334**.

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