



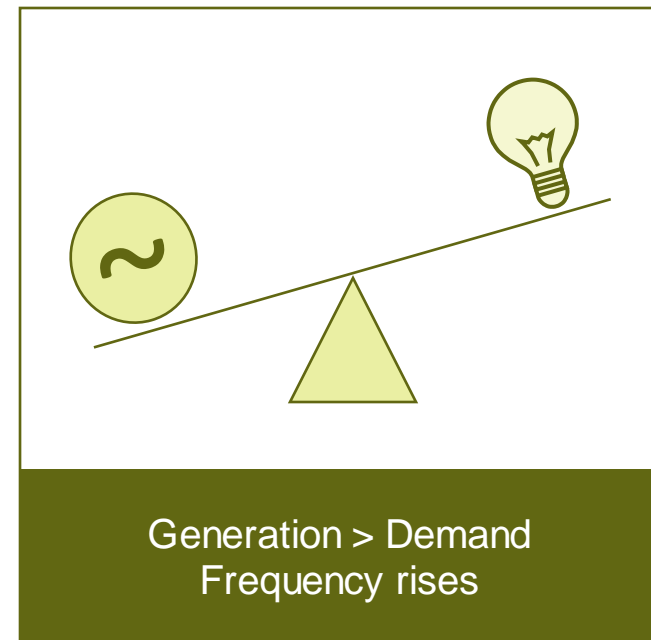
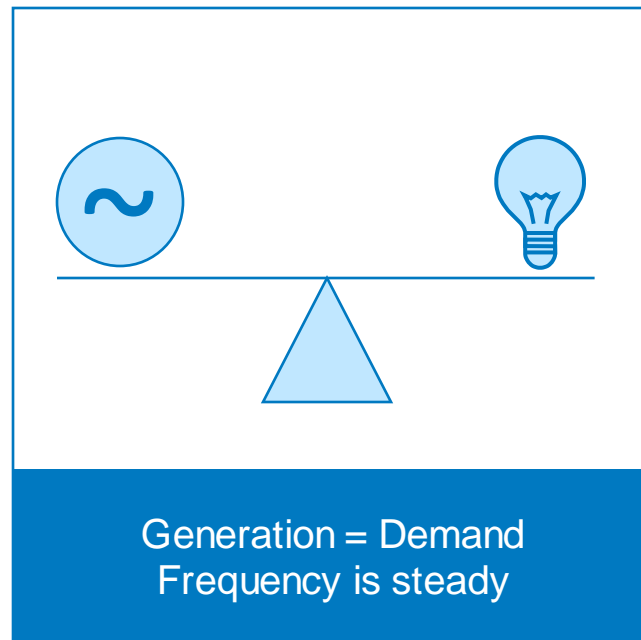
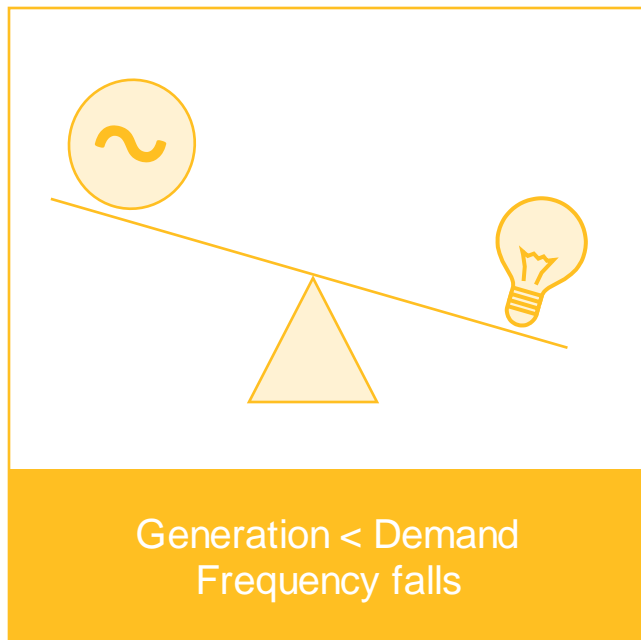
Demand Flexibility Service

EMEX 2023

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Energy balancing 101

- One of the most fundamental requirements of an electricity system is that supply and demand are always balanced, to preserve the overall integrity of the system for everyone
- For us to achieve this energy balancing we need flexibility, in both supply and demand, adjusting both sides to ensure they always match
- The wholesale market currently provides the majority of system balancing during the day, with the ESO performing the residual balancing and balancing on a second-by-second basis

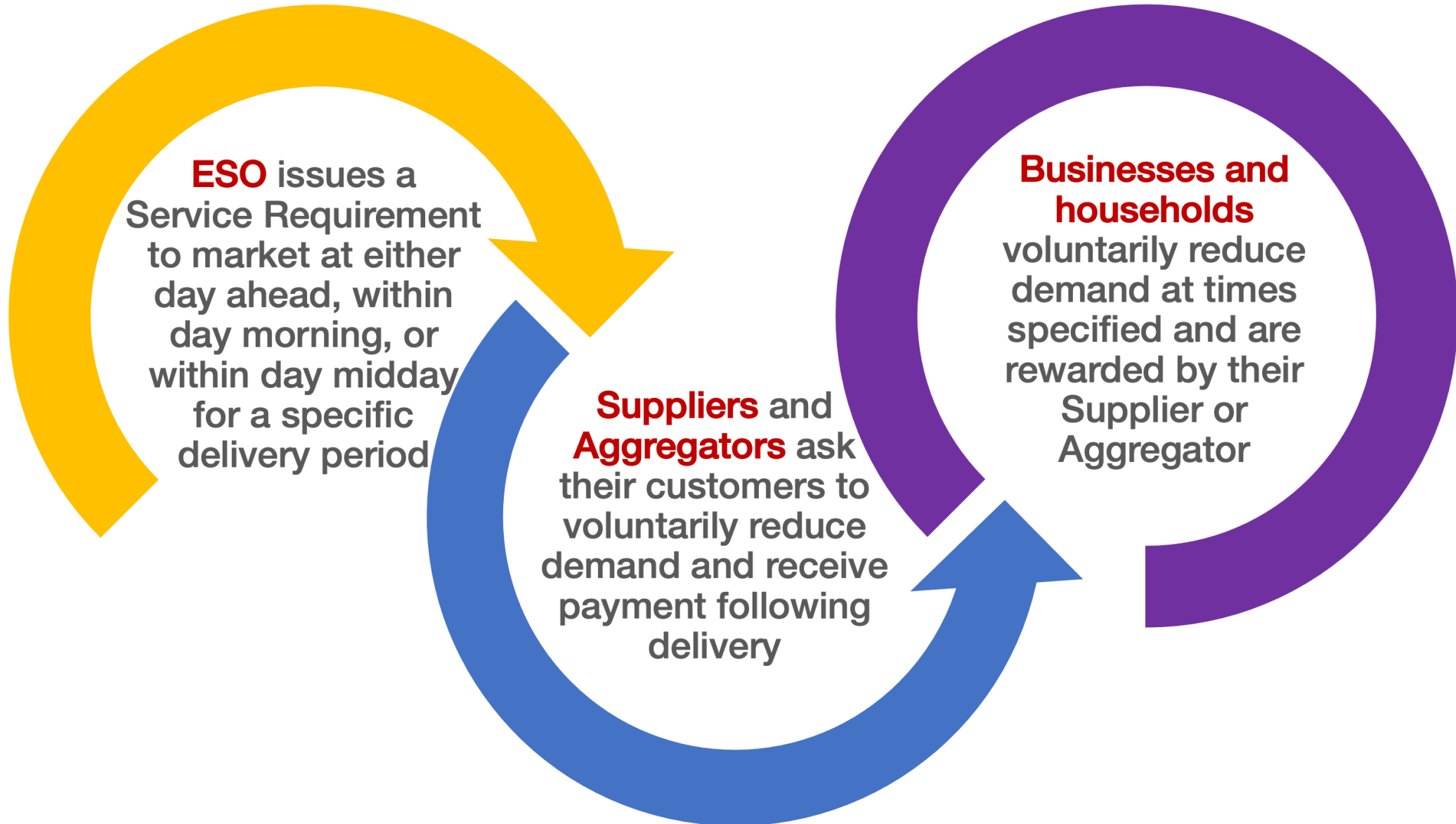


What is DFS?

The Demand Flexibility Service (DFS) allows you to earn money for shifting electricity usage outside of peak demand hours. This allows the Electricity System Operator (ESO) to manage supply through periods when margins are tight.



How does DFS work?



Who can participate?

Your business can participate if you can reduce or shift your electricity consumption when required at peak times. You will also need to be able to:

- ✓ Access **half hourly metering and settlement** for your sites/business. (Half-hourly settlement is not required for businesses in meter Profile Classes 3 or 4).
- ✓ **Not be operating in any other services**, including trials, such as Short-Term Operating Reserve (STOR) or Frequency Response, the Capacity Mechanism, or DNO/DSO services
- ✓ Be able to **respond for a minimum of 30 minutes** following instruction at ~24, ~5 or ~2.5 hours' notice



How much can I earn?

- Phase 1: 5 tests remaining planned for November and December 2023 with a Guaranteed Acceptance Price (GAP) of **£3,000/MWh**. This is how much the ESO will pay Registered Service Providers.
- Phase 2: 6 further tests between January 2024 and the end of March 2024. Test events will be competitive from January 2024 onwards if total de-rated Indicative Forecast Volumes surpass a 1.25 GW threshold. Should the 1.25 GW threshold not be surpassed, tests will continue to be underpinned by a GAP of £3,000/MWh.

Guaranteed
Acceptance Price
(GAP)
£3,000/MWh
for at least 5 more
test events

How do I take part? Search 'ESO DFS'

ESO Search Data Portal

What we do Electricity explained Future energy Industry information News and events Research and publications

Home / Industry information / Balancing services / Demand Flexibility Service

Demand Flexibility Service (DFS)

What is the Demand Flexibility Service?

The Demand Flexibility Service (DFS) allows you to earn rewards for shifting electricity usage outside of peak demand hours. This allows the Electricity System Operator (ESO) to manage supply through periods when margins are tight.

The DFS was introduced in winter 2022/23 and over 1.6m households and businesses participated, providing ~350MW of flexibility to the ESO. In the ESO we make sure that Great Britain has the essential energy it needs by ensuring supply meets demand every second of every day.

How does it work?

How to participate Contractual and guidance documents (2023/24) **Registered providers list** Document archive

Industrial and Commercial

Domestic Households > Industrial and Commercial >

DFS Registered Participant FlexAssure

Axle Energy Ltd

Conrad Energy

CUB (UK) Ltd

Drax Energy Solutions Ltd

Easee UK Ltd (via Axle Energy Ltd)

EDF

E.ON Next Energy Ltd

Engie Power Ltd

Fidelity Energy (via CUB UK Ltd)

Flexitricity Ltd

Gridbeyond

Gridimp

Hildebrand Technology Ltd

Infinis Ltd

OakTree Power Ltd

Octopus Energy

P3P Energy Supply Ltd

Perse Technology Ltd

SMS (Solo Energy Ltd)

SSE Digital Services Limited

Zenobe Energy Ltd

Q&A

