Case Study: Burgess Group Ltd & CUB (UK) Ltd

Generating new income from manufacturing load through the UK Capacity Market

Overview

Burgess Group Ltd partnered with CUB (UK) Ltd to participate in the UK Government's Capacity Market scheme, generating new revenue from existing manufacturing electricity demand while supporting national electricity system security.

The project demonstrates how energy-intensive industrial facilities can unlock additional value from their electrical load without requiring capital investment or changes to normal operations.

About Burgess Pet Care

Burgess Pet Care is a leading UK manufacturer of high-quality pet foods for dogs, cats and small animals including rabbits and guinea pigs. The company is an independent, family-owned business with its manufacturing based in Pollington, East Yorkshire, with a heritage in milling and animal nutrition stretching back centuries.

Today Burgess produces a wide range of specialist pet foods using modern manufacturing processes and nutritional expertise, supplying both the UK and international markets.

About CUB (UK) Ltd

CUB (UK) Ltd is an independent energy consultancy and flexibility aggregator helping organisations reduce energy costs and unlock new revenue from their energy infrastructure.

With more than 30 years of experience in the UK energy market, CUB works with commercial and public sector organisations to access schemes such as the Capacity Market, demand-side response programmes and other electricity flexibility services.

CUB has supported Burgess Pet Care with energy procurement and electricity market advice since 2010, helping the company navigate changes in electricity markets and identify opportunities to optimise energy costs and generate additional value.

The Opportunity

Manufacturing facilities with large and predictable electricity demand can often provide flexibility to the electricity system during periods of peak demand.

Through the UK Capacity Market, organisations can receive payments for being available to temporarily reduce electricity consumption during rare system stress events.

CUB identified that the manufacturing load at Burgess Pet Care's Thornton-le-Dale facility could participate in the scheme through controlled load reduction during these events.

The site's production processes include the thermal extrusion of ingredients to produce specialist pet food nuggets, where ingredients are mixed, heated and formed before drying and packaging. These energy-intensive processes create significant electrical demand, making the site well suited to participate in electricity flexibility schemes.

Project Delivery

CUB worked with Burgess Pet Care to assess the suitability of the site's electrical demand and manage the full onboarding process into the Capacity Market.

Participation was achieved using existing manufacturing load, meaning no additional equipment or capital investment was required.

The site initially entered the Capacity Market for a 12-month period beginning in October 2025, generating approximately £5,500 of income during the first delivery year.

Following the success of this initial participation, Burgess Pet Care subsequently secured a three-year Capacity Market agreement beginning in October 2026, delivering estimated annual Capacity Market income of around £10,000, subject to the value achieved through secondary market trading each delivery year.

Project Results

Estimated Annual Capacity Market Income: around £10,000

Initial Participation Income (Oct 2025 – Sep 2026): around £5,500

Main Agreement Start: October 2026

Contract Duration: 3 years

Participation Type: Load reduction

Capital Investment Required: £0

Operational Disruption: None

Long-Term Partnership

CUB has worked with Burgess Pet Care since 2018, supporting the business with energy procurement and helping identify opportunities to reduce electricity costs and optimise electricity usage.

Over time this collaboration has included strategic electricity procurement advice, support with historic TRIAD and Red Band DUoS optimisation, participation in Demand Flexibility Service (DFS) programmes, and entry into the UK Capacity Market.

This long-term relationship has enabled Burgess Pet Care to adapt to changes in the electricity market while continuing to extract additional value from its energy usage.

Client Testimonial

"CUB (UK) Ltd have supported Burgess Group Ltd with our energy procurement and electricity market strategy for many years. During that time, they have helped us navigate an increasingly complex energy market and identify opportunities to optimise our electricity costs.

From early work around network charging and TRIAD avoidance through to more recent participation in demand flexibility programmes and the Capacity Market, CUB have consistently helped us unlock additional value from our energy usage without disrupting our manufacturing operations.

Their long-term support and expertise have made them a trusted partner in managing our energy strategy."