



Synlait

CASE STUDY

Partnering with Synlait for a sustainable energy future

Challenge

With its electricity supply contract nearing expiry and ambitious sustainability goals, Synlait was looking for a long-term strategic energy partner capable of delivering flexible, innovative, and cost-effective energy solutions. Solutions that would ensure predictable electricity costs, optimise energy consumption, enhance cost efficiency, support further electrification, and significantly reduce carbon emissions.

Solution

After being selected through a competitive RFP process, we collaborated with Synlait to evaluate contract options and optimise the operation of its e-boiler through dynamic price signalling. We installed metering to gain insights into consumption patterns, and worked closely with Synlait's local network, Orion, to explore opportunities to manage capacity constraints and save costs, including the potential for more Control Period Demand (CPD) signalling. We also set up a mix of long-term and short-term contracts, including a 10-year solar Power Purchase Agreement for 25% of the electricity from the Kōwhai Park solar farm being developed by Contact Energy and Lightsource BP. This agreement will ensure that the electricity used at Synlait's Dunsandel factory and Dairyworks facility is 100% renewable, helping them reduce on-site emissions.

Impact

Through close collaboration with Synlait's key suppliers and local network, we have optimised savings through innovative supply contracts, enhanced operational efficiency, and maximised e-boiler performance. In the first 10 days of operating the boiler using price signals, Synlait saved over \$118,000 by avoiding key peak pricing periods. We are also exploring the potential for further savings through more CPD signalling.

We chose Simply Energy for their holistic and innovative partnership approach. They demonstrated a deep understanding of how all the elements – market dynamics, network considerations, operations and engineering – interconnect, to achieve the best outcome for us.

Dave Williams,
General Manager of Milk Supply and Sustainability, Synlait