

**CUSTOMER:**

Lovington's Ice Cream

**COST SAVING PROCESS:**

Procurement of Energy Only contract and reduction in Triad demand\*

**ELECTRICITY TRANSMISSION COST:**

Reduced by 34% in 2013

**BACKGROUND:**

Lovington's Ice Cream Ltd is a long established producer of ice creams in Somerset.

**CHALLENGE:**

CES were tasked with investigating options and technologies to reduce energy cost and consumption. Whilst analysing annual consumption to optimise the tariff, it became apparent that Lovington's was a seasonal business and energy usage dropped significantly during the winter.

**THE SOLUTION:**

Energy only supply contract was required where system usage charges are billed in addition to electricity and can be controlled according to times the system is used. Reducing electricity usage during Triad demand events, when electricity demand is at its peak, can lead to significant savings. Lovington's agreed to reduce energy usage between 4pm & 7pm when the chance of Triad demand events are likely to happen, whilst increasing production at other times. CES ensured the client was informed in time to make suitable provisions.

**RESULTS:**

Lovington's reduced energy consumption during Triad demand events during the 2012-13 winter and saved 34% in transmission charges. Client comments: "CES were thorough in analysing our energy bills and consumption pattern whilst asking me many questions. I didn't understand why at the time but it all became apparent when their proposals were made and savings realised. As an ice cream producer our business is seasonal, winters are not too busy so it was not difficult to increase production at other times and reduce energy usage when Triad event risk was highest."

Mike Gregory – Managing Director

\*Triad demand - Triad demand is measured as the average demand on the system over three half hours between November and February (inclusive) in a financial year. These three half hours comprise the half hour of system demand peak and the two other half hours of highest system demand which are separated from system demand peak and each other by at least ten days.