

LPG



**Bellair Estate Farm**  
Dairy Farm

Wherever you are



A black and white dog, possibly a Border Collie, stands on a dirt path in the foreground. The path leads into a lush green field. In the background, there are several tall, thin trees with sparse foliage, suggesting a rural or farm setting. The sky is overcast.

**“For me, the ease of the entire system is a huge weight off my shoulders. I know that when I need hot water I can get it day or night. The whole process was straightforward and it’s really handy that I can now manage the temperatures very easily with the control.”**

**Ciaran McDonald**



# Bellair Estate Farm Dairy Farm

## **The Challenge**

In the heart of the Irish midlands lies Bellair Estate Farm just outside Ballycumber in Co. Offaly. Run by Ciaran McDonald, who originally hails from Wexford, his rotary farm boasts stunning scenic views with plenty of space for his large herd of Friesian crossbreed cows to roam.

Ciaran's farm, like many others, was reliant on an electric water heating system for its day to day activities. He found that using hot water twice a day was a push too far and by evening, the immersion was struggling to reach the 80°C temperature required for effective cleaning and control of TBC (Total Bacteria Count).

The farm only pays for what it uses, effectively eliminating all hot water storage costs and the entire system is operated with an easy to use temperature controller.

### The Flogas Solution

Ciaran wanted a solution that provided hot water to the right temperature on demand, no matter what time of the day or night. He heard about the Flogas Dairy Hot Water system via a fellow farmer and got in touch with Donal Moran, the local company representative.

In February 2018, Donal visited Ciaran's farm to conduct a free site survey and discuss the benefits of a potential changeover. Depending on the size of the herd, the Flogas Dairy Hot Water Solution comprises one, two, three or more Andrews FASTflo heaters, mounted on an external or internal wall, and piped to a Flogas LPG bulk tank. Each heater can generate up to 12 litres of hot water per minute, between 37°C–85°C as required, and 120 litres of hot water in ten minutes. Two heaters will produce up to 240 litres of hot water and so on. The farm only pays for what it uses, effectively eliminating all hot water storage costs and the entire system is operated with an easy to use temperature controller.



### Want to find out more?

If your current system is not providing you with the level of service you require and contributing to high bills, call Flogas for your free on-site survey and quotation for a new system tailored to your Dairy Farm. We will analyse your existing energy costs and outline the savings and benefits you'll enjoy by converting to Flogas LPG.

\*Calculations based on energy prices of LPG & Electricity at time of case study (Jan 2016)

## The Changeover Process

The go-ahead was given by Ciaran and due to the size of the milking parlour, a local RGI installer fitted two external Andrews FASTflo heaters piped to a 0.5 tonne Flogas LPG tank. The job was completed in one day with no disruption to its operations and Ciaran hasn't looked back since.



## Results

On demand hot water **FAST-240 litres of hot water are available in just 10 minutes** with 2 Fastflo heaters

**Increased control** over water temperatures—from 37°C to 80°C via an easy-to-use wall-mounted temperature controller

Increased efficiency and significantly **reduced running costs** with no hot water storage costs day or night

**Reduced carbon footprint** and full control in a current climate of high waste water charges

## Contact Flogas for free site visit

To quote the savings that will be made (Energy Survey)  
To carry out tank location assessment  
To draw up a proposal and pricing

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