

LPG



# Energy tailored to you

**Bill O'Keeffe**  
Dairy Farm

Wherever you are



**“The problem that many dairy farmers have is that the truck which comes to empty the milk storage tank every couple of days can arrive at any time. The driver empties the tank and hot water is needed straightaway to do the wash. If the truck arrives just after milking, then it puts a lot of pressure on the current electric immersion system. With the new Flogas LPG -powered system on Bill’s farm, this is no longer an issue.”**

**Tommy Murray Flogas**





# Bill O'Keeffe Dairy Farm

## The Challenge

Bill O'Keeffe's farm in Co. Kilkenny is home to the prizewinning Churchclara herd of pedigree British Friesians. With 180 milking cows, Bill was using large volumes of hot water to wash a 20 unit milking parlour daily and the 11,500 litre milk storage tank up to three times a week. A reliable hot water supply is vital for the effective cleaning of milk lines and storage tanks as well as controlling the Total Bacteria Count (TBC) of the milk produced.

## The Flogas Solution

Mark Murphy of Heat Services Network is a local Flogas approved independent gas installer who had recently completed a wood pellet to gas conversion in the home of a friend of Bill's. The friend was very happy with the result and the advantages of using an LPG-powered water heating system for a dairy farm came up. Using LPG to heat water for farm use is a relatively new innovation so Mark Murphy and the local Flogas representative Tommy Murray were introduced to Bill to discuss it in more detail. Upon completion of an on-site survey outlining the cost-savings, Bill opted to try out the new system.

The new instant hot water system, powered by Flogas LPG, can now deliver 98 litres of hot water at 80°C in just seven minutes with the aid of a controller.

## Seamless Changeover Process

A 56kW wall-mounted Andrews FASTflo external water heater was installed and connected to a Flogas LPG bulk tank sited nearby. The new instant hot water system, powered by Flogas LPG, can now deliver **98 litres of hot water at 80°C** in just seven minutes with the aid of a 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)

“We had electric heaters to heat water that was being used throughout the day and reheating on day rate electricity. We also felt it was inefficient to store hot water before using it. Like most dairy farmers, hot water accounts for about 30% of my energy bills so I was looking for some way to reduce that cost.”

Bill O’Keefe



## Results

On demand hot water  
FAST – **12 litres of hot water at 80°C** in just one minute

Increased control over water temperatures - from **37°C to 80°C** via a controller

**Increased efficiency** and significantly reduced running costs

**No hot water storage costs** throughout the day and night

**Reduced carbon footprint** and full control of the amount of hot water that is used

## Contact Flogas for a free farm visit

To quote the savings that will be made (Energy Survey)

To carry out a tank location assessment

To draw up a proposal and pricing

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