



Not only do the Power family have a proud tradition in hurling but they're also well-established dairy farmers in Co. Kilkenny. At Kilbricken Farm in Callan, brothers Jim, John and Edmund Power have built up a 1,200 acre mixed enterprise that includes a 400 strong herd of Holstein Friesian dairy cows.

The Challenge

Kilbricken Farm currently uses large volumes of water to clean its 50-unit rotary milking parlour every evening and its **20,000 litre milk tank every other day**. With a busy daily schedule, having a reliable supply of hot water was vital for effective cleaning as well as controlling the Total Bacteria Count (TBC). However, the farm's existing electric hot water heating unit was struggling to reach the required 80°C

temperature and was taking longer to fill the tank each time. The brothers were on the lookout for a solution when Jim met Flogas Area Representative Tommy Murray at the Callan Co-op. A free site visit was organised shortly afterwards to demonstrate how a hot water heating system powered by Flogas LPG, was a **cost-effective solution for the Power brothers**.

The Flogas Solution

The Flogas system uses Andrews FASTflo water heaters to produce up to **15 litres of hot water at 37-80°C** per minute and the auto ignition system eliminates running and storage costs when idle, so the farm only pays for the hot water that's used. Not only would the FASTflo heating be perfect for the farm's cleaning duties but would also be ideal

during calving season, as its precise temperature control means that the calves' milk could be heated up quickly and easily. The brothers were impressed with Tommy's proposal and the go-ahead was given.

The Change-Over

Due to the size of the rotary milking parlour, Mark Murphy, a Registered Gas Installer from Heat Services Network, installed three cascading 56kW Andrews FASTflo heaters to produce 45 litres of hot water per minute and connected them to a Flogas LPG bulk tank sited nearby. The installation was

completed seamlessly, as in most cases Flogas can use existing pipework so no major changes are needed and there's no disruption to farm activities. Kilbricken Farm have been using Flogas' instant water heating system since 2012 and as the Power Brothers will tell you; it has undoubtedly become a winning edition to the farm.

Jim Power said, **“Not only do we now have instant hot water on demand for a range of activities on our farm, which has made a big difference to our workload, we estimate that we're saving over 20% on our hot water heating bills as a result.”**



**“Any time I turn on the tap
I have instant hot water”**

Jim Power



#1 in the field: 4 time All-Ireland Hurling Champion and twice All-Star, John Powers



On demand hot water FAST – **315 litres of hot water** are available in just seven minutes with 3 FASTflo Systems

Increased Control over water temperatures – from **37°C to 80°C** via an easy-to-use wall control

Increased efficiency and significantly **reduced running costs** with no water storage costs throughout the day and night

Reduced Carbon Footprint and full control in a current climate of high waste water charges





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Jim Power



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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FlogasIreland

LPG



Instant Hot Water for Dairy Farms

Kilbricken Farm
Case Study

Wherever you are

