



Applegreen  
CHP (Combined Heat & Power)  
Case Study

## THE APPLGREEN CHALLENGE

The opening of six Motorway Service Areas, on the M1 at Lusk and Castlebellingham and on the M4 at Enfield, marks a new era in Irish motoring. All top-class facilities, each fifty times the size of an average service station, they are on a par with the most advanced sites in continental Europe. With specific pumps and parking for cars, coaches, bikes and haulage vehicles, they have the capacity for high-speed refuelling and can deal quickly and safely with large volumes of traffic. They are also haulier and family friendly. Equipped with cafes and restaurants, including Burger King, Costa Coffee and a Café, showers, toilets, playgrounds and bottle-heating and baby-changing facilities, the service areas are designed to accommodate all motorway users. 100% Irish owned, all six are being run and managed by Applegreen. Such high-tech operations would usually mean significant energy consumption, not in this case as Flogas fuelled the way for a greener day with Applegreen.



Flogas LPG tanks

## THE FLOGAS SOLUTION

As well as being customer committed, each of the MSA sites is also environmentally focused. Working in partnership with Flogas, the implementation of a Combined Heat and Power (CHP) solution has resulted in the efficient and cost-effective production of electricity on each site (more efficient than buying from the National Grid). Operating on LPG, which is clean, virtually odourless and soot free, the CHP unit allows for the simultaneous generation of water heating, central heating and electricity in a single process. This not only reduces energy costs but also minimises the impact on the environment and the flexibility of LPG enables the catering facilities to use it for cooking too. It's just another practical energy solution from Flogas.

“Applegreen is delighted to play such a prominent part in providing such state-of-the-art facilities for Irish consumers. As a 100% Irish owned Company, I am also personally delighted that Applegreen has been able to create over 300 new jobs in the motorway service stations.”

Joe Barrett  
*Operations Director Applegreen*



Flogas LPG tanks



## 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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