

Cost Savings... € 17,800 / Annum
Investment..... €5,850
Payback..... 4 Months

Environmental Benefits:
Water reduced: 9000m³ p.a.

Water Efficiency Programme Saves €17,800 Per Annum

CASTLETROY PARK HOTEL - LIMERICK



Description of Property

The Castletroy Park Hotel is a luxury 4 star hotel located just 4 km outside of Limerick city. It has 107 rooms, spa, salon and leisure centre. The Castletroy Park Hotel is a member of the Green Hospitality Programme and has achieved a Silver award.



Project Description

Management of the Castletroy Park Hotel, concerned by its high water costs, had a water survey conducted by a water control and leak detection specialist. This survey identified several opportunities for the hotel to reduce its water consumption. These included:

- Low flow shower heads
- Low flow taps
- The identification of a faulty ball cock in the main water tank



The Results

The leak was estimated to be costing €13,000 a year. This leak was easily repaired at a cost of €50. To put this in context the cost of repairing the leak was recouped in less than 34 hours. This shows the value of a leak detection survey.

The water survey also recommended the installation of low flow shower heads and taps. The hotel changed shower heads in its 107 rooms and in its leisure centre to low flow shower heads. The taps in the hotel were also upgraded.

Location	No.	Old Flow rate	New flow rate	% reduction in flow rate
Guest room shower	107	16.2 Ltr/min	6.1 Ltr/min	62%
Leisure centre shower	9	30.0 Ltr/min	6.1 Ltr/min	79%
Taps	n/s	8.0 Ltr/min	5.0 Ltr/min	37.5%

The savings achieved from the installation of the low flow shower heads and aerators for the taps is estimated to be €4,800 per annum.

The total cost of shower and tap changes, including labour, was €5,850. Total savings of €17,800 / annum have been achieved through this water efficiency programme giving a return on investment of just 4 months.



KEY MESSAGE - Recording baseline water consumption at night, when there should be little consumption can identify that you have a leak!



TOP TIP - Carrying out a water survey is the first step towards reducing water costs

