

**Cost Savings** ... €30,000 / Annum  
**Investment** ..... €3,000  
**Payback** ..... 1.2 months

**Environmental Benefits:**  
 Water reduced: 13,140m<sup>3</sup> p.a.

# Leak Detection Saves €30,000 on the Annual Water Bill

THE RIVERBANK HOTEL- WEXFORD



## Description of Property

The Riverbank Hotel is a 3 star hotel located in Wexford, offering 23 elegant bedrooms, meeting and banqueting facilities, restaurant, bar and leisure centre. The hotel gained certification to the Green Hospitality Programme in 2010.



## Project Description

When management at The Riverbank Hotel benchmarked water consumption against the Green Hospitality national benchmark for water consumption, they realised that water consumption at the hotel was greatly above that of the Irish benchmark. The hotel then commissioned a leak detection survey to investigate possible water leaks on site.



## The Results

As a result of the leak detection survey, four leaks were identified and subsequently repaired by the Hotel.

Period	Average Daily Demand	Minimum Night Flow	Estimated Annual Water Bill
Pre-Survey	75 m <sup>3</sup> /day	0.489 l/s	€62,960 p.a.
Post-Survey	39 m <sup>3</sup> /day	0.078 l/s	€32,740 p.a.
<b>Reduction</b>	<b>36 m<sup>3</sup>/day</b>	<b>0.411 l/s</b>	<b>€30,220 p.a.</b>

The table above presents the water consumption data before and after leak repair. The reduction in consumption is as a result of the remedial work carried out to repair the reported leaks and the shutting down of one metered water supply which was leaking into the ground.

The resultant cost savings for the hotel were €30,220 / annum which was 50% of the annual water bill. The hotel reduced its annual water consumption by 13,100 m<sup>3</sup>.



*The Green Hospitality Programme taught us that it is crucial to monitor and measure one's consumption in order to manage costs.*

Colm Campbell - GENERAL MANAGER



**TOP TIP - Benchmarking your water consumption against industry standards can identify over consumption, which in many cases can be attributed to leaks.**