



## **Energy Management Plan**

This Energy Management Plan has been drawn up to give a summary of Energy & Waste within The Killarney Park & The Ross Hotels. The last full operational year was 2019 and the goals and capital projects in relation to Sustainability and enhancing efficiencies within the business.

The targets outlined below are in relation to 2022 and there are a number of capital projects outlined below that will contribute to achieving these results. Some of these projects are:

### **Energy Audit – The Killarney Park**

In 2022 we will be carrying out a high-level energy and carbon audit of the Killarney Park Hotel. This will hopefully offer insight and significant opportunities to deliver energy, carbon, and cost savings. The scope of this audit includes but is not limited to Lighting, Building Fabric & Hot Water Systems.

### **Thermal Energy Center – The EscoPod at The Killarney Park**

In 2022 we aim to finish the install of The EscoPod at The Killarney Park. This is a working partnership between The Killarney Park & ActionZero. The overall scope of this project is to install an energy center with Heat Pump technology. The reductions associated with this project will be in the region a 10% reduction in electricity for The Killarney Park based on the forecasted occupancy we have for 2022. The EscoPod project is projected to save approx. 250,000 kWh for The Killarney Park.

### **Water Conservation – The Killarney Park & The Ross**

We are reviewing our water consumption in both The Killarney Park & The Ross and implementing water saving measures. We are putting additions to every toilet to reduce the water usage by 1.5 litres per flush which will hopefully ensure a dramatic reduction of water consumed in the hotels.

				2021	2022 Goal	% reduction
<b>Electricity - The Killarney Park</b>						
Electricity Usage (Units)				500,922		
Electricity Unit per available room				20	19	5%
Electricity Usage (Cost)		€		79,855		
Avg Unit Cost - Cents		€		0.1594		
<b>Electricity - The Ross</b>						
Electricity Usage (Units)				280,351		
Electricity Unit per available room				26	24	8.3
Electricity Usage (Cost)		€		48,281		
Avg Unit Cost - Cents		€		0.1722		
<b>BioLPG - The Killarney Park</b>						
BioLPG - Usage (Units)				143,206		
BioLPG Unit per available room				44	41.8	5%
BioLPG - Usage (Cost)		€		52,356		
Avg Unit Cost - Cents		€		0.3655		
<b>BioLPG - The Ross</b>						
BioLPG - Usage (Units)				47,204		
BioLPG Unit per available room				34	32.3	5%
BioLPG - Usage (Cost)		€		28,830		
Avg Unit Cost - Cents		€		0.6107		
<b>Water - The Killarney Park</b>						
Total Mains Water Usage (Cubic metres)				801	680.85	15%
Total Well Water Usage (Cubic Metres)				5441	4624.85	15%
Total Cost of Water		€		7868		

<b>Water - The Ross</b>						
Total Mains Water Usage (Cubic metres)				2864.3	2434.65	10%
Total Well Water Usage (Cubic Metres)				n/a		
Total Cost of Water			€	5,684		