



## Energy & Water Efficiency 2023/2024 / 2025 Flamenco Hotel Cairo

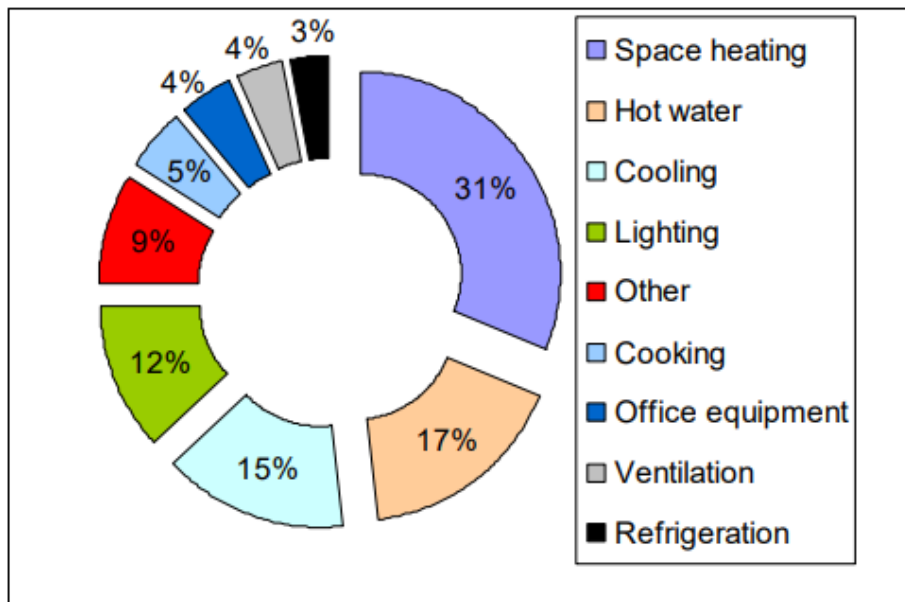
### Energy Efficiency

Is an important part of sustainability, especially for hotels as we cater for many guests per night Energy use or “consumption” produces carbon dioxide (CO<sub>2</sub>) and other harmful greenhouse gas emissions that are released into the atmosphere and contribute to climate change we are doing :-

1. Collecting an initial baseline for energy use by collecting historic data
2. Observing and analyzing current practices and did set objectives and targets to reduce the amount of energy used
3. implementing the changes needed to meet our objectives and targets, as well as educating staff on their role in being energy efficient and
4. Monitoring and recording energy use on a daily, weekly, monthly and/or annual basis, to check progress and take action where needed.

#### Steps to manage and increase energy efficiency

- A- Understanding how much energy your property use and where it is used



Without understanding how much energy your property consumes, it will be difficult to:

1. Establish an initial baseline that reflects your current consumption and expenditure
2. Set objectives and targets to reduce your energy consumption,
3. monitor and report on your progress, so that you know how successful you’ve been and
4. Keep a track of how much money you’ve saved by reducing your consumption.



## Energy & Water Efficiency 2023/2024 / 2025 Flamenco Hotel Cairo

### Current Situation analysis

Comparing the figures of 2023 and previous years the energy was efficiently managed in all areas of the hotel because of all measures we have taken to reduce the consumption of the energy by 5.10% aiming for minimum reduction by 5% but we have to consider that there is no normal business in our area 2025 the start is very good with the amount of energy we could save comparing to the previous years

### What did we achieved and the current situation results

#### Electricity Consumption 2023

Month	Cons.(k.watt)	No of Guests	PGPN	Total Gas & Elec.
January	112086	5592	20.04	20.76
February	90578	5451	16.62	17.58
March	102898	5463	18.84	19.71
April	104644	4148	25.23	26.39
May	103644	6491	15.97	16.50
June	158393	5041	31.42	32.05
July	165173	6362	25.96	25.97
August	237292	6309	37.61	37.98
September	190396	6002	31.72	32.15
October	227960	6977	32.67	33.01
November	218251	6832	31.95	32.34
December	205629	6105	33.68	34.13
<b>Total</b>	<b>1916944</b>	<b>70773.00</b>	<b>27.09</b>	<b>27.67</b>

#### Electricity Consumption 2024

Month	Cons.(k.watt)	No of Guests	PGPN	Total Gas & Elec.
January	150494	6699	22.47	22.92
February	170052	6187	27.49	28.25
March	164608	4412	37.31	38.03
April	153189	5408	28.33	29.15
May	203649	6190	32.90	33.54
June	201720	3744	53.88	54.89
July	297762	4748	62.71	63.37
August	264635	4048	65.37	66.02
September	246807	6365	38.78	39.16
October	242010	6129	39.49	39.90
November	199031	6451	30.85	31.24
December	201462	6286	32.05	32.47
<b>Total</b>	<b>2,495,419</b>	<b>66,667.00</b>	<b>37.43</b>	<b>38.02</b>

Energy & Water Efficiency 2023/2024



## Energy & Water Efficiency 2023/2024 / 2025 Flamenco Hotel Cairo

### Electricity Consumption 2025

Month	Cons.(k.watt)	No of Guests	PGPN	Total Gas & Elec.
January	124363	6017	20.67	21.21
February	149400	5468	27.32	28.06
March	138818	2803	49.52	51.51
April	141709	6663	21.27	22.04
May				-
June				
July				
August				
September				
October				
November				
December				
<b>Total</b>	<b>554,290</b>	<b>20,951.00</b>	<b>26.4</b>	<b>27.31</b>

### Defining our energy reduction objectives

For each area, we have considered what objectives might put in place to reduce our overall energy consumption. Together, these objectives will made up small plan to reduce and manage energy efficiently

### Lighting we applied

- Change the light bulbs used throughout the hotel to energy saving alternatives such as LED light
- Implement a lighting Rota requiring staff to turn off lights in public areas when not required
- Implemented a key card system within guest rooms

### Kitchen

- Schedule a maintenance check to ensure all equipment including refrigeration - operates efficiently.
- Ensure that employees are trained to switch on equipment only when it is needed.
- Put in place a replacement plan for old equipment that both identifies energy efficient alternatives, together with the safe disposal or recycling of the old equipment.



## Energy & Water Efficiency 2023/2024 / 2025 Flamenco Hotel Cairo

### Laundry

- Reduce the amount of laundry by educating guests on the environmental impacts and by giving them the option of changing their bed linen and towels every other day. Educating guests can be done through a welcome talk upon arrival or by creating leaflets or cards that are placed in rooms, so that guests are aware of your policy.
- Ensure that your washing machines are connected to the hot water supply, to avoid heating cold water and increasing the energy used.
- Put in place a replacement plan for old equipment that both identifies energy efficient alternatives, together with the safe disposal or recycling of the old equipment.
- Ensure all electrical equipment is safely switched off during inactive hours of operation.

### **Replacing equipment**

Before us buying any new equipment or replace old ones, we research the options available and compare the performance of our usual choices with models that are more energy efficient.

### **Training your employees and communicating with your sub- contactors**

Explain that this will ensure that employees and sub-contractors understand their responsibilities and are able to support energy reductions in the property. The auditor will speak to the individual(s) concerned to ensure they have received the necessary training.

Ensure all staff members know what all the other department responsibilities are – this will help them to support each other and communicate to guests that may not fully understand the environmental impact



## Energy & Water Efficiency 2023/2024 / 2025 Flamenco Hotel Cairo

### Water efficiency

The process of managing water so that our business uses only what is needed, reducing waste water, either as a result of improving its day-to-day consumption or by fixing leaks. Water efficiency involves a series of processes including:

- Understanding where our water is supplied
- Establishing an initial baseline for water use by collecting historic data,
- Observing and analyzing current practices and then setting objectives and targets to reduce the amount of water used or disposed of
- Making the changes needed to meet your objectives and targets, as well as training staff on their role in using water efficiently, and
- Monitoring and recording water consumption on a daily, weekly, monthly and annual basis, to check progress and take action where and when it is needed.

### Reporting

Reporting is so it is important that you report and discuss your progress with the senior manager in our property. These discussions takes place regularly and consider both your successes in reducing energy and water consumption, as well as solving problems where your energy use has increased. On an annual basis,

### Current Situation analysis

Comparing the figures of 2024 and previous years the water was efficiently managed in all areas of the hotel because of all measures we have taken to reduce the consumption of the water by 10% aiming for minimum reduction by 8: 10% .

2025 the start is very good with the amount of water we could save comparing to the previous years

### What we achieved and the current situation results

**Water Consumption 2023**

Consumption Q Meter		No of Guests	PGPN
January	2225.53	5592	0.40
February	2224.53	5451	0.41
March	2308.53	5463	0.42
April	2307.04	4148	0.56
May	2106.04	6491	0.32
June	2081.73	5041	0.41
July	1724.05	6362	0.27
August	1724.05	6309	0.27
September	1712.22	6002	0.29
October	1712.22	6977	0.25
November	1732.9	6832	0.25
December	1732.9	6105	0.28
<b>Total</b>	<b>23591.74</b>	<b>70773</b>	<b>0.33</b>



## Energy & Water Efficiency 2023/2024 / 2025 Flamenco Hotel Cairo

### Water consumption 2024

Consumption Q M		No of Guests	PGPN
January	2509.2	6699	0.37
February	2533.41	6187	0.41
March	2173.53	4412	0.49
April	2173.53	5408	0.40
May	1948.92	6190	0.31
June	1967.69	3744	0.53
July	1659.93	4748	0.35
August	1659.93	4048	0.41
September	1639.43	6365	0.26
October	1639.43	6129	0.27
November	1935.18	6451	0.30
December	1934.26	6286	0.31
<b>Total</b>	<b>23774.44</b>	<b>66667</b>	<b>0.36</b>

### Water consumption 2025

Consumption Q M		No of Guests	PGPN
January	2077.75	6017	0.35
February	2077.75	5468	0.38
March	2068.48	2803	0.74
April	2067.57	6663	0.31
May			
June			
July			
August			
September			
October			
November			
December			
<b>Total</b>	<b>8291.55</b>	<b>20951</b>	<b>0.40</b>



## Energy & Water Efficiency 2023/2024 / 2025 Flamenco Hotel Cairo

### What we did to achieve the current situation results

Example for Action plans to save water

Area	Action
General	<ul style="list-style-type: none"> <li>■ Maintain and repair leaking pipes, taps and equipment.</li> <li>■ Train staff regularly (including induction for new staff).</li> <li>■ Water quality is monitored to ensure that it meets local and national regulatory standards.</li> <li>■ Install back-of-house signs reminding employees how to manage and save water.</li> <li>■ Advice guests how they can play a part in saving water.</li> <li>■ Irrigation Management and recycle water for irrigation</li> </ul>
Taps (kitchen, public restrooms, guest rooms)	<ul style="list-style-type: none"> <li>■ Install water-saving devices including flow restrictors/aerators.</li> <li>■ Monitor the temperature of water, although hot water tanks should be set at 60°C, which is the minimum needed to remove Legionella.</li> <li>■ Water from outlets reaches the required temperature with no more than 2 litres being wasted.</li> <li>■ Install mixer taps, which can reduce water consumption by ensuring that water is delivered at the required temperature.</li> <li>■ The rate of flow for taps in guest bathrooms and public restrooms is no more than 5 litres per minute.</li> </ul>
Toilets, showers and urinals (public restrooms, guest rooms)	<ul style="list-style-type: none"> <li>■ Install 'bottles' and 'hippos' in cisterns, reducing the amount of water a toilet uses during a flush.</li> <li>■ Install low-flush WCs.</li> <li>■ Use timers to reduce flush frequency, including 'cistern misers' or 'waterless urinals'.</li> <li>■ Use composting toilets in remote areas.</li> <li>■ Use sea, river or rain water, although you should check country regulations to ensure this is allowed. Check also that such measures are compatible with existing technologies.</li> <li>■ Use treated waste water for toilet flushing.</li> </ul>



## Energy & Water Efficiency 2023/2024 / 2025 Flamenco Hotel Cairo

**Dear Guest**

You are welcome to open terrace doors or windows, but please consider the environment and switch off the air conditioning (AC) please.

Thank you for your support  
Flamenco Hotels Egypt



**ضيفنا العزيز**

نرجو عند فتح أبواب الشرفة أو النوافذ، إيقاف تكييف الهواء لكي نحافظ على البيئة .

شكرا لدعمكم  
فنادق فلامنكو مصر



**Dear Valued Guests,**

As we are in the midst of summer, with very high temperatures, it is recommended that you keep the curtains shut whilst out of your room. This will help to keep the temperature in the room pleasant, ensuring you get a good night's rest.

**ضيوفنا الكرام..**

بما أننا في منتصف الصيف مع درجات حرارة عالية جدا، فمن المستحسن أن تبقي الستائر مغلقة أثناء تواجدك خارج غرفتك. سيساعد ذلك في الحفاظ على درجة حرارة الغرفة لطيفة، مما يضمن حصولك على راحة جيدة أثناء الليل.





## Energy & Water Efficiency 2023/2024 / 2025 Flamenco Hotel Cairo



	
<b>WE CARE ABOUT THE ENVIRONMENT</b>	<b>نهتم بالبيئة</b>
WE ARE COMMITTED TO UNDERTAKING PRACTICES THAT PRESERVE OUR NATURAL RESOURCES.	نحن ملتزمون بالممارسات التي تحافظ على مواردنا الطبيعية.
Your bed linen is fresh when you arrive and your room is serviced every day.	أغطية السرير الخاص بك نظيفة عند وصولك ونخدم غرفتك كل يوم.
For extended stays, your linen will be changed every third day.	للإقامات الطويلة: سيتم تغيير البياضات الخاصة بكم كل ثالث يوم على التوالي.
However, we are delighted to meet your needs by changing linen upon your request.	ومع ذلك، نحن سعداء لتلبية احتياجاتكم بتغيير البياضات بناءً على طلبكم.
LEAVING THIS CARD ON YOUR BED MEANS: "Please change my bed linen today"	ترك هذه البطاقة على سريرك يعني: «الرجاء تغيير بياضات السرير اليوم»



## Energy & Water Efficiency 2023/2024 / 2025 Flamenco Hotel Cairo

