

Energy & Water Efficiency 2023/2024 / 2025 Flamenco Beach & Resort El Quseir

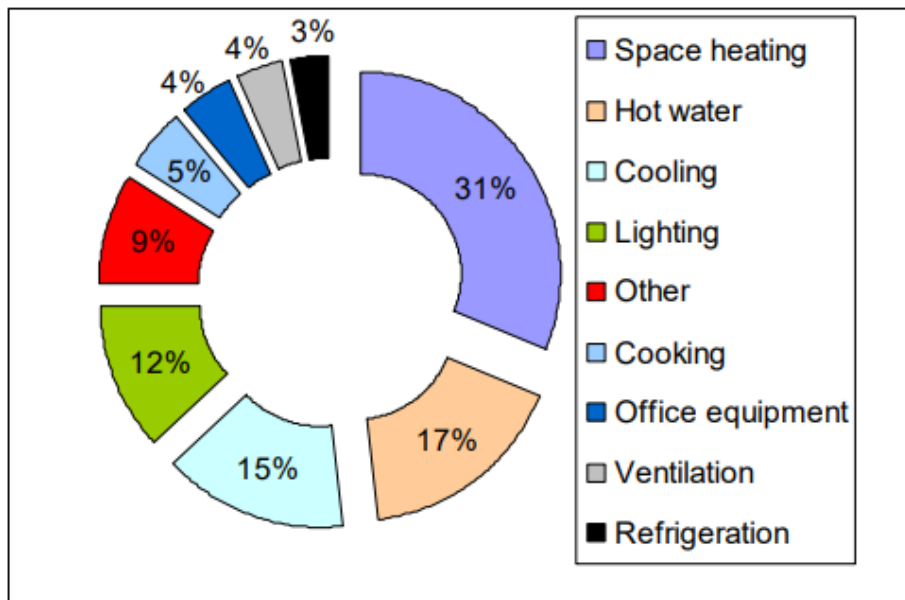
Energy Efficiency

Is an important part of sustainability, especially for hotels as we cater for many guests per night Energy use or “consumption” produces carbon dioxide (CO₂) 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 Beach & Resort El Quseir

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	119200	3011	39.59	39.83
February	115200	2415	47.70	47.96
March	145400	5969	24.36	24.55
April	208000	7806	26.65	26.74
May	215000	5523	38.93	39.05
June	264800	4428	59.80	59.95
July	327800	6830	47.99	47.99
August	400600	7429	53.92	54.07
September	362200	11039	32.81	32.87
October	295400	10372	28.48	28.54
November	252800	6396	39.52	39.62
December	151600	3586	42.28	42.47
Total	2858000	74804.00	38.21	38.32
Electricity Consumption 2024				
Month	Cons.(k.watt)	No of Guests	PGPN	Total Gas & Elec.
January	133800	3226	41.48	41.59
February	132800	3146	42.21	42.34
March	122800	5046	24.34	24.44
April	201600	5223	38.60	38.69
May	222800	4302	51.79	51.87
June	308000	4836	63.69	63.80
July	338200	7856	43.05	43.12
August	393000	9484	41.44	41.52
September	420800	11288	37.28	37.35
October	319400	11733	27.22	27.28
November	261800	9499	27.56	27.63
December	148600	6134	24.23	24.33
Total	3,003,600	81,773.00	36.73	36.81

Energy & Water Efficiency 2023/2024 / 2025 Flamenco Beach & Resort El Quseir

Electricity Consumption 2025				
Month	Cons.(k.watt)	No of Guests	PGPN	Total Gas & Elec.
January	146200	5917	24.71	24.89
February	130800	3155	41.46	41.72
March	144600	6577	21.99	22.18
April	194800	9772	19.93	20.06
May				
June				
July				
August				
September				
October				
November				
December				
Total	616,400	25,421.00	24.25	24.42

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 Beach & Resort El Quseir

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

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.



Energy & Water Efficiency 2023/2024 / 2025 Flamenco Beach & Resort El Quseir

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% but we have to consider that there is no normal business due to the worldwide pandemic.

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	4890	3011	1.62
February	4894	2415	2.03
March	5332	5969	0.89
April	5635	7806	0.72
May	5785	5523	1.05
June	5421	4428	1.22
July	5894	6830	0.86
August	5746	7429	0.77
September	5647	11039	0.51
October	5659	10372	0.55
November	5592	6396	0.87
December	4785	3586	1.33
Total	65280	74804	0.87

Energy & Water Efficiency 2023/2024 / 2025 Flamenco Beach & Resort El Quseir

Water consumption 2024

Consumption Q M		No of Guests	PGPN
January	5389	3226	1.67
February	5383	3146	1.71
March	4426	5046	0.88
April	5476	5223	1.05
May	5024	4302	1.17
June	5702	4836	1.18
July	5700	7856	0.73
August	5729	9484	0.60
September	5245	11288	0.46
October	5975	11733	0.51
November	5614	9499	0.59
December	5897	6134	0.96
Total	65560	81773	0.80

Water consumption 2025

Consumption Q M		No of Guests	PGPN
January	5375	5917	0.91
February	4675	3155	1.48
March	5770	6577	0.88
April	5507	9772	0.56
May			
June			
July			
August			
September			
October			
November			
December			
Total	21327	25421	0.84

Energy & Water Efficiency 2023/2024 / 2025 Flamenco Beach & Resort El Quseir

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

Energy & Water Efficiency 2023/2024 / 2025 Flamenco Beach & Resort El Quseir



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

Energy & Water Efficiency 2023/2024 / 2025 Flamenco Beach & Resort El Quseir

