



**PortAventura®
WORLD**

PARKS & RESORT



ENVIRONMENTAL STATEMENT

JANUARY-DECEMBER 2018



ClubEMAS
association of EMAS-registered
organisations in Catalonia





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1 PORT AVENTURA ENTERTAINMENT, S.A. UNIPERSONAL

100% PAESA ENTERTAINMENT HOLDING, S.L.U.

1.1 KEY DATA ON PORTAVENTURA WORLD RESORT

- **Sector:** Tourism and Leisure
- **Location:** Vila-seca/Salou
- **Telephone:** 977 779 000
- **Web:** www.portaventuraworld.com
- **Tax Ref.:** A-63.776.306
- **PortAventura Park/PortAventura Caribe Aquatic Park/Ferrari Land - CNAE Industry Classification Parks:** 93.21
- **Hotels PortAventura, El Paso, Caribe, Gold River and Mansión de Lucy - CNAE Industry Classification Hotels:** 55.10
- **Convention Centre - CNAE Industry Classification:** 82.30
- **Waste Producer Code:** P-26916.1
- **EMAS Registration Number:** ES-CAT-000070
- **ISO 14001/2015 Certificate Number:** 3.00.07048
- **Environmental Management Standard for Hotels PortAventura, El Paso, Caribe, Gold River and Mansión de Lucy.**
- **EMAS Club Member:** Association of EMAS-registered organisations in Catalonia (www.clubemas.cat)
- **Area of Corporate Responsibility** responsible for the PortAventura World Environmental Management System (EMS)
- **Environmental Investments for the year 2018:** 754,000 Euros

1.2 PORTAVENTURA PARK: THEME AREAS

PORTAVENTURA PARK

6 completely different and fascinating worlds, each carefully themed down to the very last detail: Mediterrània, Polynèsia, China, Mèxic, Far West and SésamoAventura.

It has more than 40 rides, up to 40 daily shows, 48 food outlets, as well as more than 31 shops and 10 games areas for the whole family:

Mediterrània

This area pays homage to the different towns on the Catalan coast, around the late 19th century, and recreates a typical Catalan fishing village.

Polynèsia

This area recreates late 19th century Polynèsia as discovered by sailors such as Captain Cook and painted by great artists like Gauguin.

SésamoAventura

A theme area created especially for families with children: 12,413 m² of fun in the company of all the Sesame Street® characters.

China

An exotic monumental tour through the four eastern areas: the People's Republic of China, Imperial China, the Himalayas and Cambodia.

Mèxic

A fabulous encounter with the ancient Mayan culture and colonial Mexico. An experience full of monuments, crafts and attractions.

Far West

This area recreates an American town, which has everything, not least the real cowboy spirit: from an authentic saloon to a railway station, a mining area... and even a replica of the Grand Canyon of the Colorado River.



PORTAVENTURA CARIBE AQUATIC PARK

A fantastic water park with spectacular theming inspired by the Caribbean islands during the era of the pirates of the South Seas.

Its total area of 50,000 m² has 14 attractions and slides, waterfalls, immense pools and green areas full of plants and palm trees.



FERRARI LAND

A theme park unique in Europe with 70,000 m² of fun. It has 16 fantastic attractions and games, as well as shows and an incredible theming inspired by the most authentic Italy. In addition, visitors will also find two restaurants and two shops. In 2018 a Children's Area was opened with 5 new attractions for children.



Environmental certifications and standards held by our parks

 EMAS VERIFIED ENVIRONMENTAL MANAGEMENT ES-CAT-000070	 Sistema de Gestión ISO 14001:2015 www.tuv.com ID 9105033144
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1.3 OUR HOTELS



Hotel PortAventura: HT-000760 ****

Recreates the character and charm of a small Mediterranean village. The large pool and town square form the soul of the hotel. 500 rooms, four restaurants, a shop, entertainment, Wellness Center, etc. And with direct access to PortAventura Park via the Mediterrània area.



Hotel Gold River: HT-000855 ****

Emulates a Far West town in the grip of gold fever. It has 549 rooms, distributed over several buildings that form a reconstruction of the most important parts of a Far West town. 78 of these rooms are located in the exclusive building The Callaghan's. It also has three swimming pools, six food outlets and direct access to the Far West area of PortAventura Park.



Hotel Caribe: HT-000772 ****

Set in the tropics, this hotel is surrounded by palms and features exceptional open spaces. It has 497 rooms, of which 26 make up Club San Juan (a private complex with exclusive rooms), four restaurants, four swimming pools (one sandy), a shop and a Wellness Center.



Hotel El Paso: HT-000770 ****

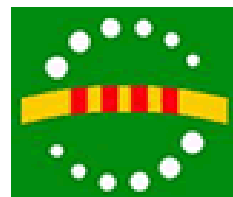
A colourful Mexican-style hotel that recreates a traditional hacienda. There are a total of 501 rooms, three restaurants, two bars, one shop and two pools, one with a sunken galleon. It offers an All-Inclusive board basis.



Hotel Mansión de Lucy: HT-000888 *****

The most majestic and elegant of our hotels, located in a Victorian building. 31 spacious rooms, the most exclusive that the resort has to offer, with all manner of extras. It has a pool, a restaurant, a bar and direct access to the Far West area of PortAventura Park.

Environmental certifications and standards held by our hotels



1.4 CONVENTION CENTRE

With its privileged location in the midst of golf courses and excellent sea views, the PortAventura Convention Centre combines Mediterranean-style architecture with cutting-edge technology. The Convention Centre has 18 multi-functional, modular and versatile rooms, distributed over two levels and with the capacity to welcome groups of 10 to 3000 people within a surface area of more than 13,000 m².



Environmental certifications and standards held by our Convention Centre





2 FOR THE ENVIRONMENT SINCE THE BEGINNING

2.1 CHRONOLOGY

1995	PortAventura opens its doors, becoming the first theme park in Spain. Its most iconic ride is Dragon Khan.
1997	New roller coaster: Stampida.
1999	Introduction of the show FiestAventura.
2000	The attraction Sea Odyssey: the great submarine simulator.
2001	Launch of Templo del Fuego.
2002	PortAventura is transformed into a tourist destination, thanks to the opening of two hotels and a water park.
2003	Hotel Caribe opens its doors for the first time.
2005	The arrival of the free fall tower Hurakan Condor.
2007	The addition of Furius Baco: extreme acceleration.
2009	Opening of Hotel Gold River and PortAventura Convention Centre.
2010	Celebration of 15 th anniversary.
2011	Opening of SésamoAventura.
2012	New roller coaster: Shambhala. Driving and road safety school for children in the China area. Parking Caravaning.
2013	Renovations are carried out on the resort's water park, PortAventura Caribe Aquatic Park, with the addition of a new children's area and new attractions. Opening of the maze El Secreto de los Mayas in PortAventura Park.
2014	Launch of the new attraction Angkor: Adventure in the Lost Kingdom. Cirque du Soleil sets up base at PortAventura World during summer 2014, inviting audiences into the world of Kooza.
2015	Celebration of 20 th anniversary. Cirque du Soleil presents the show Amaluna at PortAventura World for the first time in Europe. New building – The Callaghan's at Hotel Gold River Opening of Hotel Mansión de Lucy: the resort's first 5* hotel.
2016	Work starts on a new theme park that is unique in Europe: Ferrari Land.
2017	Opening of Ferrari Land, a theme park unique in Europe. 70,000 m ² of incredible attractions and fascinating spaces exclusively dedicated to the legendary Italian motor racing team. Cirque du Soleil visits PortAventura World with their show Varekai.
2018	Opening of the new kids' area in Ferrari Land with 5 new attractions for the youngest visitors.

2.2 ENVIRONMENTAL COMMITMENTS

	<p>1997 Creation of the Environmental Committee Equip Verd</p>		<p>2009 Joined Travelife: Sustainable Tourism – Hotels</p>
	<p>2001 1st EMAS Registration</p>		<p>2014 Received the Travelife Gold Award</p>
	<p>2003 1st Environmental quality standard (Hotels)</p>		<p>2015 2015 Committed to the achievement of the United Nation's Sustainable Development Goals (SDGs)</p>
	<p>2007 1st ISO 14001/2004 Certification</p>		<p>2016 Committed to the Global Code of Ethics for Tourism of the World Tourism Organisation (UNWTO)</p>
	<p>2008 Member of Catalonia's Club EMAS</p>		<p>2017 Adhesion to the International Year of Sustainable Tourism for Development of the United Nations World Tourism Organisation</p>
	<p>2008 Adhesion to the Global Compact</p>		<p>2018 New corporate responsibility strategy (ESG) 2019-2021</p>
	<p>2009 1st edition of Corporate responsibility report (2008 data)</p>		



3 ENVIRONMENTAL POLICY

Port Aventura Entertainment, S.A.U., managing company and owner of PortAventura World Parks & Resort, family leisure destination that encompasses PortAventura Park, PortAventura Caribe Aquatic Park, Ferrari Land, Hotel PortAventura, Hotel El Paso, Hotel Caribe, Hotel Gold River, Hotel Mansión de Lucy, Hotel Colorado Creek, PortAventura Convention Centre and Parking Caravanning, carries out its activities with maximum respect for the environment and its surroundings.

In order to comply with its commitment to the protection of the environment, the company continuously carries out the necessary actions, takes the relevant measurements and strives to improve its environmental results. To this end, PortAventura World's actions are governed by the following principles:

1. To ensure compliance with applicable environmental laws, and other voluntary requirements to which it subscribes, making them a part of its Environmental Policy.
2. To assign all means and responsibilities necessary to guarantee the attainment of objectives that lead to continual improvements in environmentally-friendly behaviours, designing processes that aim to minimise and prevent activities impacting upon the environment.
3. To ensure compliance with environmental objectives through *Equip Verd*, an environmental consultancy and executive committee, to consolidate the basis for the promotion of respect for the environment.
4. To educate, train and raise awareness, at all levels, amongst company personnel to create an atmosphere conducive to the progression of all environmental measures.
5. To communicate the Environmental Policy to everybody working within or on behalf of the organisation, including contractors and suppliers, as well as other stakeholders.
6. To identify the environmental aspects and associated impacts from a life cycle perspective.
7. To promote, to the maximum possible extent, projects that encourage our visitors to respect the environment.
8. To preserve our region's biodiversity and ecosystems, protecting the species and habitats within it.
9. To encourage and commit to mitigation and adaptation of practices to climate change: sustainable use of natural resources (water and electricity), promoting sustainable mobility and renewable electricity initiatives; encouraging reuse and minimal generation of wastes, prioritising waste treatment.
10. To guarantee that our suppliers share our same environmental standards and commit to our Policy within the Resort. To promote environmental criteria in product purchasing, contracting of services and events management, acting as a driving force in circular economy initiatives.

Fernando Aldecoa
General Director

January 2019



4 ENVIRONMENTAL MANAGEMENT SYSTEM

4.1 ORGANISATION

Environmental Management in PortAventura World is based on two key figures:

Environmental Management System Representative (hereinafter EMSR):

Has to be a manager. Acts as a liaison with the Management Committee and as the System Representative for regulatory purposes.

Equip Verd (or Environmental Committee):

A work group comprising of representatives from the different company departments, which has as its objective the correct and uniform management of the environment throughout the resort.



4.2 RESPONSIBILITY AND AUTHORITY

The responsibilities for the different roles within the system are:

EMSR:

- Supervises the overall application and maintenance of the Environmental Management System (EMS) in PortAventura World.
- Acts as a liaison between the Management Committee and Equip Verd, and vice versa.
- Appoints the Secretary and members of the Equip Verd.
- Determines who is responsible for decision-making for proposals related to the EMS, targeted at improving PortAventura World's Environmental Policy.

Management Committee, Area Managers and Supervisors:

- The Management Committee decides who to appoint to carry out the duties of the EMSR.
- Take decisions regarding environmental management of the resort, based on proposals submitted by the EMSR.
- Encourage implementation of the EMS in the respective departments.
- Management approves and signs the Environmental Policy.

Equip Verd (or Environmental Committee)

- Acts as a forum for exchange, debate, study and discussion regarding the PortAventura World EMS.
- Takes decisions on all aspects of Environmental Management of the resort, provided that the EMSR believes it is within their competence.
- Puts forward and presents to the EMSR the implementation or development of proposals targeted at environmental improvements or changes in PortAventura World's Environmental Policy.
- Provides the Management Committee with all information related to the environmental decisions to be taken.
- Establishes objectives for improvement in accordance with PortAventura World's Environmental Policy.
- Ensures compliance with applicable environmental and industrial safety legislation, as well as voluntary commitments taken on by the company.

Members of the Equip Verd

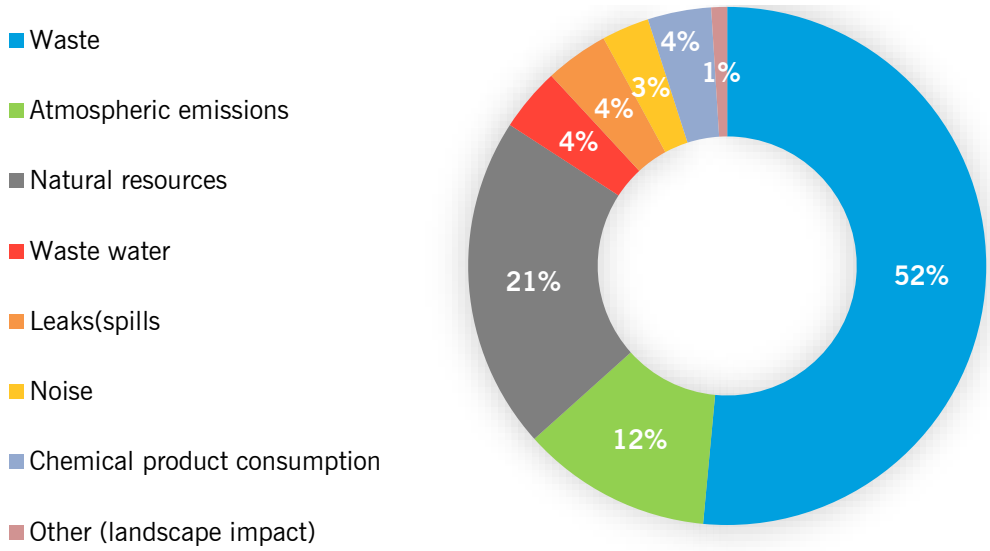
- Supervise EMS implementation and maintenance in PortAventura World, within the department/area that they represent.
- Provide Equip Verd with all necessary information on the development of the EMS for the department that they represent. Equip Verd members are responsible for referring EMS decisions, adopted by Equip Verd or by the Management Committee, to the departments or areas that they represent.
- Offer support, in environmental terms, to contract "Managers".



5 DESCRIPTION OF THE ENVIRONMENTAL ASPECTS

PortAventura World identifies its environmental aspects (under normal and abnormal conditions and in emergency situations), associated with present and future activities from a life cycle perspective, and assesses them according to evaluation criteria that allow the significance and importance of each aspect to be quantified and classified as Significant or Insignificant.

Percentual relationship of the environmental aspects identified



Significant environmental aspects and their impact are shown in the table below (both direct and indirect):

SIGNIFICANT ENVIRONMENTAL ASPECTS 2018	DIRECT/INDIRECT	NATURE OF THE ASPECT	ENVIRONMENTAL IMPACT
Consumption of drinking water	Direct	Use of natural resources	Depletion of natural resources
Waste paper/cardboard.	Direct and indirect	Generation, recycling, reuse and elimination of wastes	Contamination of soil or water
Residual debris	Direct and indirect	Generation, recycling, reuse and elimination of wastes	
Emission of gases into the atmosphere from visitors' vehicles	Indirect	Generation of emissions released into the atmosphere	Impact on the quality of air

The significant environmental aspects of the previous year are maintained: consumption of drinking water, paper and cardboard waste, residual debris and emission of gases into the atmosphere from visitors' vehicles.

Drinking water consumption is significant due to the special event of the Mediterranean Games. The usual ratios in hotels for water consumption/overnight stays increased due to the type of clients and the extra services offered to the athletes such as laundry service, cleaning of sports equipment, etc.

The volume of waste paper and residual debris are significant due to the amount generated, the first related to the visitors received by the park and the second related to the works executed during this period.





6 ENVIRONMENTAL PROGRAMME

6.1 OBJECTIVES AND TARGETS

Environmental objectives are proposed by the Equip Verd and then approved by the EMSR (Environmental Management System Representative), together with the Head of each department concerned.

All environmental objectives are consistent with the Environmental Policy, applicable laws and PortAventura World's significant environmental aspects, taking associated risks and opportunities into consideration, and include a commitment to the continuous improvement of environmental strategies.

Our water and energy targets are established based on the opening calendar that each year is approved by Management. However, this calendar is always subject to modifications based on requests for events or opening/closing of facilities depending on current occupancy.

At the Equip Verd Environmental Committee meetings, the progress of these objectives is monitored and the outcomes logged in the Environmental Management software.

Below are the tasks carried out in the 2018 financial year aimed at achieving the objectives defined.



Environmental Objective (EOB) - Tasks for 2018

EOB148. NEW ENVIRONMENTAL TRAINING PLAN

- 100% of employees trained (with the new training defined)
- 100% of employees trained acquire knowledge from the training received

ENVIRONMENTAL POLICY



Item 4

GLOBAL COMPACT



Principles 7 and 8

www.pactomundial.org

SUSTAINABLE DEVELOPMENT GOALS



Estimated date of completion: 31/12/2018

Evaluation: Goal in process. At the end of 2018, the following training had been carried out:

- New additions:
 - 100% of the e-learning environmental training
 - 100% of classroom training on the unit specific to the job
- Re-entries:
 - 100% of classroom training on the unit specific to the job
 - E-learning environmental training pending
- Continuous staff:
 - Pending

100% of the staff trained has acquired the knowledge.

The objective is extended to the new 2019-2021 corporate responsibility strategy plan.

Tasks carried out:

- **Task T3:** Initial/Welcome corporate training *Committed to the Environment* for new additions through an e-learning platform.
- **Task T4:** Job-specific environmental training for new additions through an e-learning platform.
- **Task T5:** Job-specific environmental training in the classroom for new additions and re-entries.
- **Task T7:** Evaluation of the training received.

EOB152. IMPLEMENTATION OF INITIATIVES TO ENCOURAGE VISITORS TO RESPECT THE ENVIRONMENT

ENVIRONMENTAL POLICY



Item 7

GLOBAL COMPACT



Principle 8

www.pactomundial.org

SUSTAINABLE DEVELOPMENT GOALS



Estimated date of completion: 31/12/2018

Evaluation: Goal achieved.

100% of initiatives planned for 2018 were carried out.

The objective is extended to the new 2019-2021 corporate responsibility strategy plan.

Tasks carried out:

- **Task T10:** Participation in the sustainable tourism day at the URV (Rovira i Virgili University).
- **Task T11:** Participation in the day organised by Coca-Cola: Good practices in the hospitality sector
- **Task T12:** Strengthening of the external marketing plan:
 - Promotion of World Earth Day (22 April 2018)
 - Promotion of World Environment Day (5 June 2018)
 - Promotion of World Tourism Day (27 September 2018)
 - External promotions on the CSR commitment website: PortAventura World will eliminate plastic in 2020 (3 October 2018)
 - External promotion via LinkedIn of suppliers day (May 2018)
 - External promotions on the global compact webpage: 'fesedit' on PortAventura, a car-sharing platform.
 - #Eventprofs take note of our #tips to make events more sustainable and responsible for the environment #ToBeContinued #CSR (27 February 2018).
 - Commitment, quality, passion and team spirit are our values #CSR @portaventurabe (19 March 2018).

EOB153. SUSTAINABLE MOBILITY

ENVIRONMENTAL POLICY



Items 7 and 9

GLOBAL COMPACT



Principle 8

www.pactomundial.org

SUSTAINABLE DEVELOPMENT GOALS



Estimated date of completion: 31/12/2018

Evaluation: Goal in process.

In 2018, 100% of the tasks planned for this period were executed.

In 2018, the litres of fuel consumed have increased compared to the year 2017, it is attributed to:

In August 2018, the fuel station meter stopped working and the consumptions made from August to December 2018 are consumptions pertaining to PortAventura vehicles and contractor vehicles. Although, an estimate has been made to assess which part corresponds to PortAventura consumption and the declared value corresponds to this estimate.

The objective is extended to the new 2019-2021 corporate responsibility strategy plan.

Tasks carried out:

- **Task T3:** Promotion of the use of electric vehicles by subcontractors through the provision of free electricity.
- **Task T4:** Development of a new online platform for workers in order to encourage and facilitate the PortAventura staff to car share when travelling from home to work and vice versa.
- **Task T7:** Installation of monitored loaders in the PortAventura Hotel and the Convention Centre customer parking areas.
- **Task T8:** Acquisition of 3 electric buggies for internal transportation at Hotel Caribe, Hotel El Paso and Hotel Gold River.

EOB158. ENVIRONMENTAL ASSESSMENT OF ALL SUPPLIERS AND IMPROVEMENT OF ENVIRONMENTAL PERFORMANCE 2018

ENVIRONMENTAL POLICY



Items 5 and 10

GLOBAL COMPACT



10 principles

www.pactomundial.org

SUSTAINABLE DEVELOPMENT GOALS



Estimated date of completion: 31/12/2018

Evaluation: Goal in process. Pending evaluation according to the methodology defined and the information collected.

The objective is extended to the new 2019-2021 corporate responsibility strategy plan.

Tasks carried out:

- **Task T1:** Definition of supplier evaluation criteria:
 - Preparation of the TOP 100 suppliers list that will be evaluated by importance of category and billing volume.
 - Choice of valuation criteria (KPIs) according to category, by the purchasing department and the service manager.
- **Task T2:** Inform the project supplier of the KPIs on which they will be evaluated.
- **Task T3:** Gathering information on the supplier's performance throughout the contract. And the formalisation of the corresponding Non-Conformities.

Deferred tasks for 2019:

- **Task T4:** Evaluation of the degree to which the supplier is involved with PortAventura on the part of the departments involved.

EOB159. IMPROVEMENT OF WASTE MANAGEMENT

Reduction in the overall amount of waste generated on site (T/million visits) by 0.5% in 2018, compared to 2017.

Improvement of waste segregation: reduction in the overall amount of mixed waste generated on site (general + MSW) by 0.5% in 2018, compared to 2017.

ENVIRONMENTAL POLICY



Item 9

GLOBAL COMPACT



Principles 7 and 8

www.pactomundial.org

SUSTAINABLE DEVELOPMENT GOALS



Environmental impact: Contamination of soil or water.

Estimated date of completion: 31/12/2018

Evaluation: Goal achieved.

In 2018, the waste generated per million visits decreased by 3.15%, compared to 2017.

In 2018, the ordinary waste and MSW generated per million visits decreased by 4.21%, compared to 2017.

Tasks carried out:

- **Task T1:** Reduction of organic waste through the distribution of surplus food to different charities in Reus and the Food Bank. This process strictly adheres to food safety standards.
- **Task T2:** New external recycling bins in the Mediterrània area (21 units) and in the Far West area (55 units).
- **Task T3:** New external recycling bins at Hotel PortAventura (12 units).
- **Task T4:** New recycling bins for customers in La Cocina de Epi (3 sections).
- **Task T5:** New external recycling bins at Hotel El Paso (30 units).
- **Task T6:** Improvement in the segregation of wastes in offices, pilot test in some departments to eliminate individual paper bins, reinforcing use of the shared recycling islands in the offices of central services and operations.
- **Task T7:** New external recycling bins in the México area (21 units).

EOB160. IMPROVEMENT OF ENVIRONMENTALLY-FRIENDLY BEHAVIOURS THROUGH INTERNAL AWARENESS CAMPAIGN

ENVIRONMENTAL POLICY



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GLOBAL COMPACT



Principles 7, 8 and 9

www.pactomundial.org

SUSTAINABLE DEVELOPMENT GOALS



Estimated date of completion: 31/12/2018

Evaluation: Goal achieved.

In 2018, 100% of the initiatives planned for this period were executed.

Tasks carried out:

- **Task T1:** Raising awareness of important dates in relation to the environment:
 - 17 May. World Recycling Day: Information about World Recycling Day and an explanation of waste recovery at PortAventura.
 - 5 June. World Environment Day, if you can't reuse, don't get it! Information about World Environment Day.
 - 14 September. Join in with Sustainable Mobility Week by car sharing!: Information about Sustainable Mobility Week and encouragement to car share.
 - 27 September. World Sustainable Tourism Day: Information about World Sustainable Tourism Day and reminders of actions to take into consideration.
- **Task T2:** Notification of all environmental certifications and seals held by the Company.
 - 31/08/2018. Renewal of ISO 14001:2015, EMAS and Environmental Declaration 2017.
 - 17/10/2018. Publication of 2017 Corporate Responsibility report.
- **Task T3:** Notification of new car share platform.
 - 19/06/2018. Join the car share platform, look after the environment and win prizes! information about 'fesedit'. Car share platform.
 - 27/08/2018. Remember, there's a whole host of benefits to car sharing: reminder of the existence of the car share platform.
- **Task T4:** Notification to contract managers of the waste management procedure.
- **Task T5:** Publication in the magazine Acció of the awareness campaign on food waste.
- **Task T6:** Enhance communication by launching a new app for company personnel.
- **Task T7:** Publication in the magazine Acció that PortAventura uses 100% green energy.

EOB162. SUSTAINABLE ENERGY CONSUMPTION

3.13% reduction in gas consumption (MWh per 1,000 visits-overnight stays) in 2018 compared to 2017, throughout the facilities (PA + PAAP, FL, HC, HEP, HPA, HGR, HML and CC). No exceptional consumption due to events, openings or unscheduled works.

1.13% reduction in electricity consumption (MWh per 1,000 visits-overnight stays) in 2018 compared to 2017, throughout the facilities (PA + PAAP, FL, HC, HEP, HPA, HGR, HML and CC). No exceptional consumption due to events, openings or unscheduled works.

ENVIRONMENTAL POLICY



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Related environmental aspects:
consumption of electricity.

GLOBAL COMPACT

Principles 7 and 8



www.pactomundial.org

SUSTAINABLE DEVELOPMENT GOALS



Environmental impact: Depletion of natural resources.

Estimated date of completion: 31/12/2018

EVALUATION: Goal partially achieved.

4.24% reduction in gas consumption (MWh/year per 1,000 visits-overnight stays) in 2018 compared to 2017, throughout the facilities (PA + PAAP, FL, HC, HEP, HPA, HGR, HML and CC) and with no exceptional consumption due to events, openings or unscheduled works.

0.51% reduction in electricity consumption (MWh/year per 1,000 visits-overnight stays) in 2018 compared to 2017, throughout the facilities (PA + PAAP, FL, HC, HEP, HPA, HGR, HML and CC) and with no exceptional consumption due to events, openings or unscheduled works.

Tasks carried out:

- **Task T1:** Replacement of lights with LED-type lighting in canteen for Cantina employees.
- **Task T2:** Replacement of lights with LED-type lighting in hallways of buildings 111 and 113.
- **Task T3:** Replacement of lights with LED-type lighting in call centre screens.
- **Task T4:** Replacement of lights with LED-type lighting for washbasins for toilet facilities in Mediterrània and China.
- **Task T5:** Replacement of lights with LED-type lighting for workshops and work lighting in buildings 418 and 416.
- **Task T6:** Replacement of lights with LED-type lighting for Dragon Khan transfers and Angkor stairs.

EOB163. PROGRESSIVE ELIMINATION OF SINGLE-USE PLASTICS

ENVIRONMENTAL POLICY



Item 9

GLOBAL COMPACT



Principles 7 and 8

www.pactomundial.org

SUSTAINABLE DEVELOPMENT GOALS



Environmental impact: Contamination of soil or water and depletion of natural resources.

Estimated date of completion: 31/12/2019

Evaluation: Goal in process.

In 2018, 100% of the initiatives planned for this period were executed.

The objective is extended to the new 2019-2021 corporate responsibility strategy plan.

Tasks carried out:

- **Task T1:** Elimination of plastic spoons in employee canteens: La Cantina and Bora Bora.

6.2 NON-COMPLIANCE

PortAventura World, with the aim of involving staff in the Environmental Management System (EMS), has worked to raise awareness among all employees so that they know what action should be taken following detection of any anomalies or breaches of the requirements of our Environmental Management System and how to communicate these circumstances.

Detecting instances of non-compliance is a great challenge for our company, as it helps us to resolve existing problems and be proactive in focusing our actions on continual improvement. Regular operational control audits are carried out in our different centres in order to verify correct development of environmental measures, detect any potential deviations and establish, respectively, suitable corrective measures.



7 EVALUATION OF ENVIRONMENTAL BEHAVIOURS

For the definition of environmental performance indicators, the Sectoral Reference Document (SRD) approved by Commission decision 2016/611, of 15 April 2016 regarding the reference document on best practices of environmental management has been taken into account as well as the sectoral indicators for environmental behaviours and the comparative parameters of excellence for the tourism sector.

7.1 WASTES

Since the resort opened in 1995, motivated by the spirit for respect, improvement and environmental commitment, PortAventura World has progressively increased the quantities of fractions of wastes segregated at source.

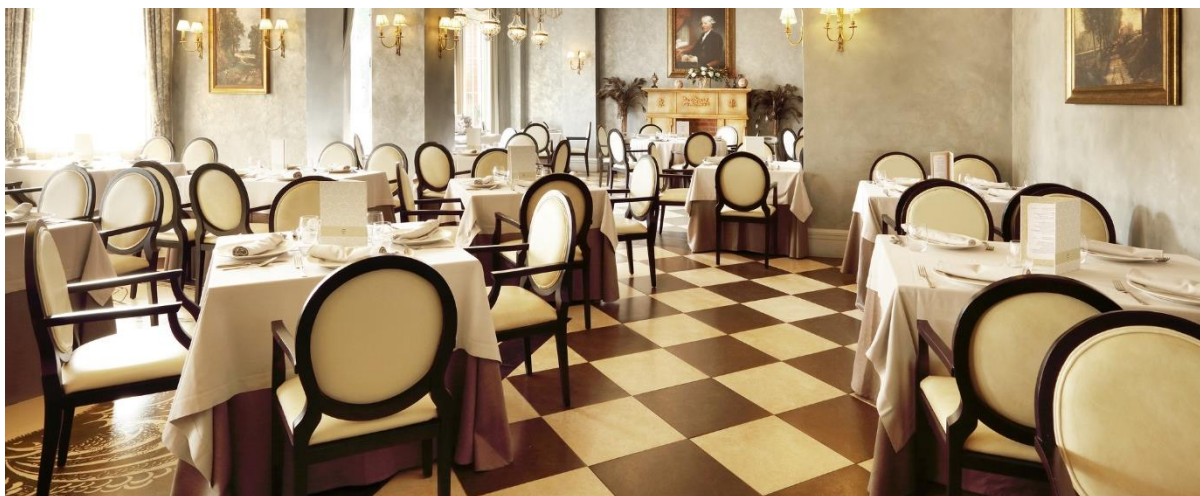
PortAventura World has a waste management area and contracts companies specialising in the sector for this purpose. These specialist companies take charge of installing containers for the different types of waste, and deal with collection and transportation to an authorised agent for treatment and disposal.

The waste is accounted for by the total of the resort, so the Sectoral Reference Document indicators cannot be taken into account.

WASTE MANAGEMENT

As operations are variable, the number of generated waste fractions will also always vary. Due to the unique nature of the facilities, wastes vary according to operational needs.

As part of the objective to minimise the generation of wastes, we are working with contractors and our own staff in regard to recycling and the proper use of work materials. In 2018, 35 fractions of waste were segregated. Recovery of wastes is the main route for waste management, preferable to disposal.



The following table presents the main characteristics of PortAventura World's waste management system:

WASTES		Type 1 Wastes generated in the course of normal business operations, directly or indirectly, produced by our clients	Type 2 Wastes generated by company support and structural activities
METHOD OF COLLECTION		Itinerant	Individual
CONTAINERS	NON-HAZARDOUS	1 m ³ /5 m ³ /6 m ³ /bins/ <i>big bags</i>	5 m ³ /14 m ³ /20 m ³ /30 m ³ / <i>big bags</i>
	HAZARDOUS	Special <i>big bags</i> /cylinders 150 l/cube containers 1 m ³	Special <i>big bags</i> /cylinders 150 l/cube containers 1 m ³
COLLECTION POINTS	NON-HAZARDOUS	Throughout the resort	Throughout the resort
	HAZARDOUS	Throughout the resort	Recycling points near buildings 112 and 113 and in resort workshops
NON-HAZARDOUS WASTE FRACTIONS		Cooking oil Cardboard Food cans Glass containers Lightweight packaging Mixed waste (General and MSW) Batteries Plastic Organic wastes	Bulky general waste Copper cable Cardboard Scrap metal Lightweight packaging Debris Wood Mixed waste (General and MSW) Batteries Tyres Plastic Animal remains Plant waste, straw Toner Cooking fats
HAZARDOUS WASTE FRACTIONS		Contaminated containers	Absorbents Mineral oil Empty aerosols Batteries and accumulators Used fats and waxes Electronic scrap Contaminated containers Cooking fats Oil filters Fridges Fluorescents Gases in pressurised containers Laboratory chemicals Waste paint Water-based cleaning fluids Paint waste with organic solvents or hazardous substances Other solvents and mixed solvents Silicone

It should be noted that some PortAventura World suppliers directly manage their own wastes.

EVOLUTION OF THE DIFFERENT WASTE FRACTIONS

Waste	CER	Tonnes (2016)	t/million visits (2016)	Tonnes (2017)	t/million visits (2017)	Tonnes (2018)	t/million visits (2018)
Absorbents	150202	5.15	1.04	4.17	0.72	4.91	0.80
Cooking oil	200125	26.56	5.37	29.93	5,13	36.72	5.99
Mineral oil	130205	1.89	0.38	2.93	0.50	2.75	0.45
Empty aerosols	150111	0.26	0.05	0.31	0.05	0.13	0.02
Acid	060106	1.02	0.21	-----	-----	-----	-----
Bulky general waste	200307	30.79	6.22	53.96	9.24	54.95	8.96
Batteries and accumulators	200133	2.44	0.49	0.39	0.07	2.11	0.34
Copper cable	200140	5.82	1.18	-----	-----	-----	-----
Copper cable	170411	-----	-----	1.28	0.22	0.66	0.11
Cardboard	200101	408.33	82.55	432.63	74.11	451.73	73.69
Pumpkins	200302	15.40	3.11	8.96	1.53	3.20	0.52
Ni-Cd accumulators	160602	0.36	0.07	-----	-----	-----	-----
Used fats and waxes	120112	0.23	0.05	-----	-----	-----	-----
Scrap metal	200140	89.29	18.05	103.49	17.73	107.82	17.59
Electronic scrap	200135	-----	-----	-----	-----	1.56	0.25
Non-hazardous electronic scrap	200136	7.51	1.52	3.07	0.53	10.21	1.67
Solvents	140602	-----	-----	-----	-----	-----	-----
Non-halogenated solvents	140603	0.68	0.14	-----	-----	-----	-----
Contaminated containers	150110	5.81	1.17	8.13	1.39	8.65	1.41
Glass containers	200102	76.42	15.45	34.46	5.9	-----	-----
Glass containers	150107	-----	-----	45.75	7.8	74.82	12.20
Mixed lightweight packaging	150106	153.60	31.05	193.48	33.14	225.05	36.71
Debris	170107	316.98	64.08	413.82	70.89	342.76	55.91
Oil filters	160107	0.12	0.024	0.05	0.01	0.25	0.04
Fluorescents	200121	1.80	0.363	1.41	0.24	1.19	0.19
Gases in pressurised	160504	-----	-----	0.11	0.02	0.27	0.04

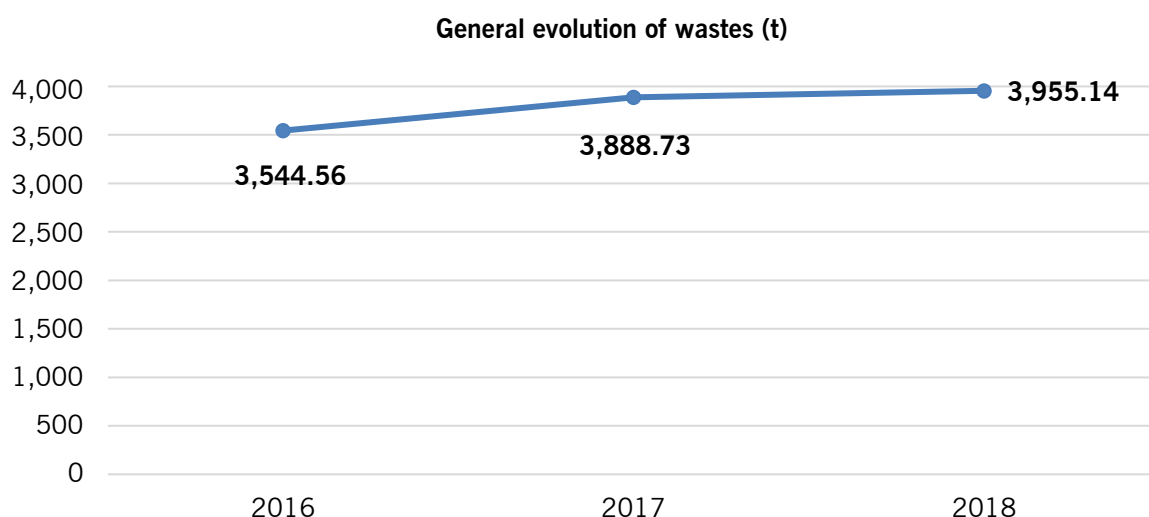
Waste	CER	Tonnes (2016)	t/million visits (2016)	Tonnes (2017)	t/million visits (2017)	Tonnes (2018)	t/million visits (2018)
containers							
Cooking fats	020204	17.96	3.63	-----	-----	21.62	3.53
Cooking fats	190809	-----	-----	37.84	6.48	-----	-----
Lighting	160214	3.71	0.75	1.46	0.25	1.65	0.27
Water-based cleaning fluids	120301	0.61	0.12	-----	-----	-----	-----
Water containing hydrocarbons	160708	0.02	0.00	-----	-----	-----	-----
Wood	200138	104.67	21.16	156.02	26.73	162.73	26.54
Mixed waste (General and MSW)	200301	1,737.29	351.22	1,776.71	304.36	1,787.25	291.54
Tyres	160103	0.32	0.07	0.42	0.07	0.21	0.03
Fridges	200123	0.70	0.14	1.65	0.28	1.19	0.19
Other solvents and mixed solvents	140603	-----	-----	0.17	0.03	0.17	0.03
Pencil batteries	160604	0.19	0.04	0.18	0.03	0.35	0.06
Plastics (no packaging)	200139	9.11	1.84	12.09	2.07	14.29	2.33
Laboratory chemicals	160506	0.04	0.01	0.25	0.04	0.19	0.03
Inorganic chemicals	160507	0.82	0.17	-----	-----	-----	-----
Water-based wastes with hazardous substances	161001	-----	-----	-----	-----	-----	-----
Paint waste containing organic solvents or hazardous substances	080111	0.83	0.17	0.33	0.06	0.06	0.01
Mixed construction and demolition waste	170904	-----	-----	15.20	2.60	-----	-----
Organic wastes	200108	499.68	101.02	523.87	89.74	586.06	95.60
Plant waste, straw	200201	-----	-----	17.34	2.97	45.48	7.42
Plant waste, straw	200202	18.12	3.66	-----	-----	-----	-----
Silicone	080409	0.04	0.01	-----	-----	-----	-----
Contaminated soil	170503	-----	-----	-----	-----	0.32	0.05
Textiles	200111	-----	-----	6.82	1.17	3.74	0.61

Waste	CER	Tonnes (2016)	t/million visits (2016)	Tonnes (2017)	t/million visits (2017)	Tonnes (2018)	t/million visits (2018)
Toner	080318	0.01	0.00	0.06	0.01	0.10	0.02
Total waste generated In tonnes		3,544.56	716.60	3,888.73	666.16	3,955.14	645.18

	2016	2017	2018
Visits/room nights	4,946,389	5,837,509	6,130,308

PortAventura World's waste management is coordinated throughout the resort.

Tonnes of waste generated are rounded to 2 decimal places.



Tonnes rounded to 2 decimal places.

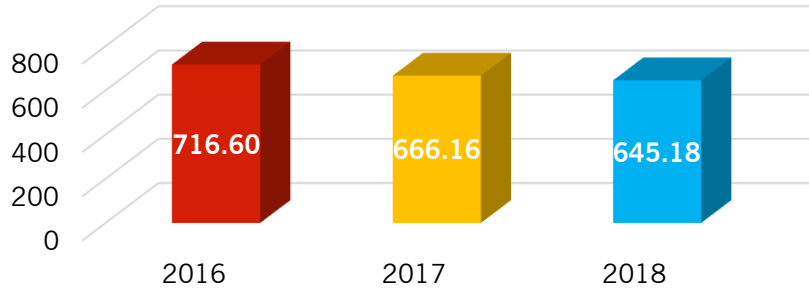
In absolute values, in 2018 the generation of wastes has increased 1.71% compared to 2017.

This increase in the generation of waste is due to the 5% increase in the visits-overnight stays of the park in 2018 compared to 2017.

As a result, tonnes of waste per million visits have decreased compared to previous years, in 2018 645.18 tonnes of waste have been generated for every million visits, which means a reduction of 3.15% compared to 2017.

The following graph shows the evolution of waste generation per million visitors during the period 2016-2018.

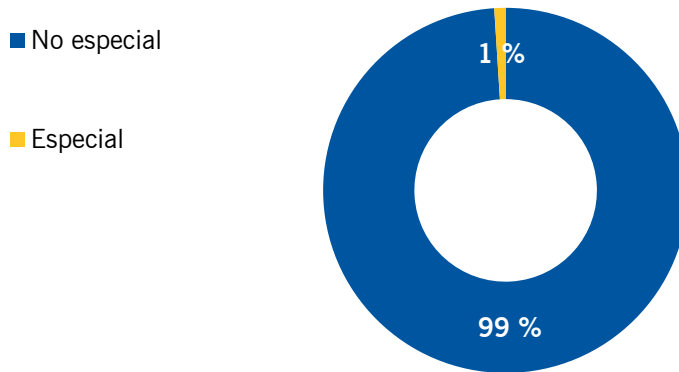
Evolution of waste generation per million visits (t)



Tonnes rounded to 2 decimal places.

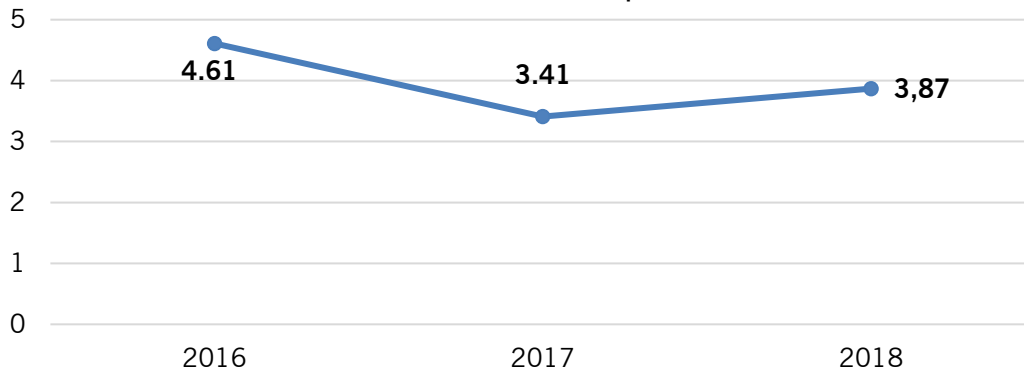
HAZARDOUS WASTES

Waste classification. 2018



In 2018, hazardous wastes represented 1% of the total wastes generated.

Evolution of hazardous wastes per million visits (t)

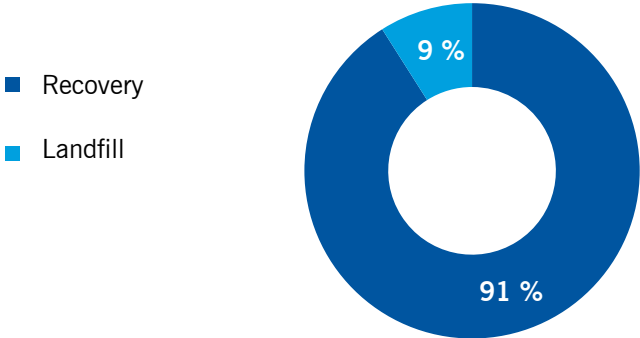


Tonnes rounded to 2 decimal places.

MANAGEMENT ROUTES

Wastes were handled according to the following management routes:

Percentage distribution of waste management by management route. 2018



EVOLUTION OF WASTE MANAGEMENT ROUTE DISTRIBUTION			
Management	2016	2017	2018
Recovery (%)	93	89	91
Treatment (%)	1	1	9
Landfill (%)	6	10	

According to the new codification of waste management by the Catalan Waste Agency, changes have been made to the heading Treatment and Landfill:

EVOLUTION OF WASTE MANAGEMENT ROUTE DISTRIBUTION		
Management	2017	2018
Recovery (%)	89	91
Disposal (%)	11	9

7.2 WATER

Water plays a fundamental role in the operation and theming of our resort. Since the beginning, PortAventura World has always been conscious that water is a vital resource for life and represents a key factor for surrounding socio-economic, industrial and tourism development.

Correct water management is one of PortAventura World's greatest challenges.

WATER CATEGORISED ACCORDING TO SOURCE AND USE

In regard to source and use, at PortAventura World we are able to differentiate between four different types of water:

- Water for human consumption
- Water for recreation and for swimming
- Reclaimed water for irrigation
- Other water for irrigation



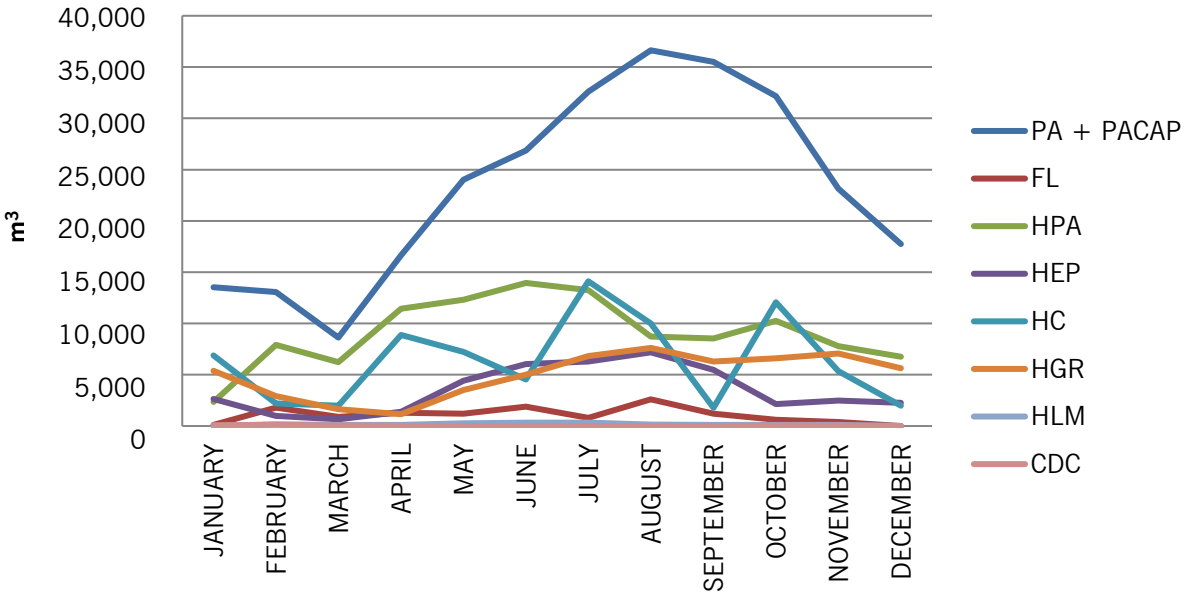
WATER FOR HUMAN CONSUMPTION

The water coming from the municipal supply is used fundamentally in restaurants, toilets, for personal hygiene, for cleaning etc. Practically 100% becomes wastewater. Regarding water management, we emphasise that this indicator is highly dependent upon the correct behaviour of our customers. To this regard, our customers are the main consumers of this type of water.

In 2018, water for human consumption in m³ and visits-overnight stays were as follows:

	m ³ water for human consumption (2018)	Visits/room nights (2018)
PortAventura Park	280,523	3,589,918
PortAventura Caribe Aquatic Park		326,611
Ferrari Land	12,800	1,045,983
Hotel PortAventura	109,447	334,989
Hotel El Paso	41,907	243,597
Hotel Caribe	77,042	246,195
Hotel Gold River	59,683	253,729
Hotel Mansión de Lucy	1,785	15,615
Convention Centre	297	73,671

Water for human consumption. 2018



In order to make relative the consumption of water for human consumption, the m³ are relativised by 1,000 visits-overnight stays. In the following table it is relativised and compared with previous years:

	2016	2017	2018
PortAventura Park/PortAventura Caribe Aquatic Park	70.82	67.53	71.63
Ferrari Land	-----	48.92	12.24
Hotel PortAventura	15.64	220.52	326.72
Hotel El Paso	199.75	184.39	172.03
Hotel Caribe	193.83	312.59	312.93
Hotel Gold River	204.35	219.02	235.22
Hotel Mansión de Lucy	148.18	163.27	114.31
Convention Centre	10.28	11.82	4.03

Figures rounded to 2 decimal places.



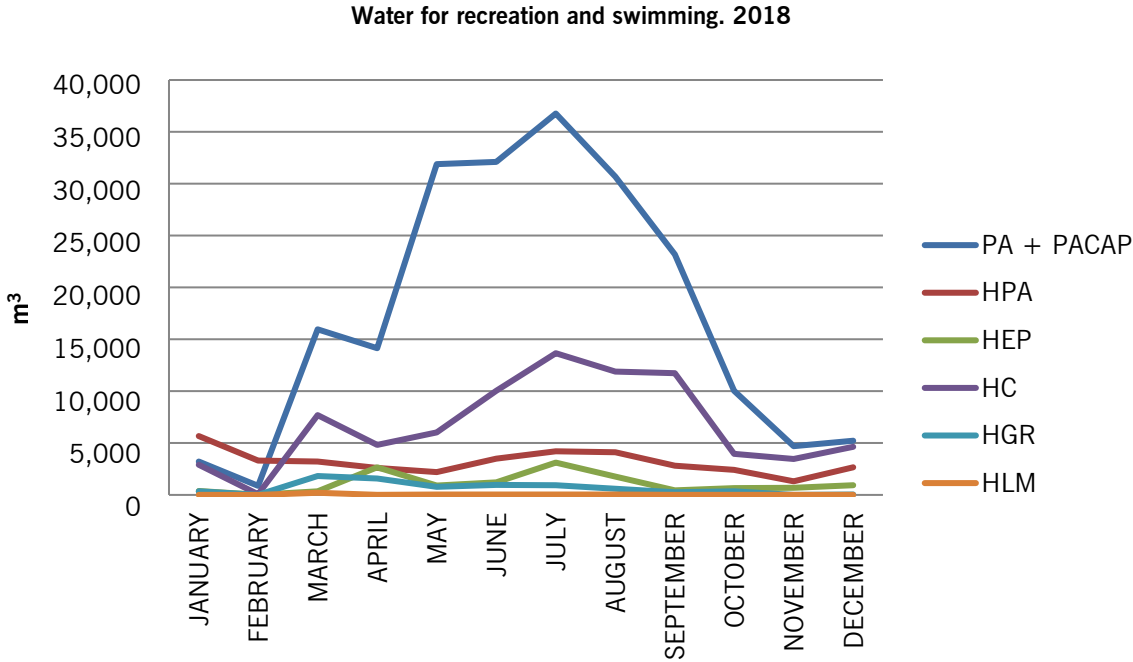
WATER FOR RECREATION AND SWIMMING

In our system, we have differentiated records for the consumption of water for recreational use and for bathing. This type of water is for human use and has the same source as that in the previous section although this type of water is kept in a closed circuit, by filtering and treatment, and only a small percentage is poured away as wastewater after washing filters.

In 2018, water for recreation and swimming in m³ and visits-overnight stays were as follows:

	m ³ water for recreation and swimming (2018)	Visits/room nights (2018)
PortAventura Park	148,420	3,589,918
PortAventura Caribe Aquatic Park	60,350	326,611
Hotel PortAventura	38,004	334,989
Hotel El Paso	13,137	243,597
Hotel Caribe	80,841	246,195
Hotel Gold River	7,633	253,729
Hotel Mansión de Lucy	439	15,615

In Ferrari Land, water is not consumed for recreation and swimming.



Water for recreation and swimming in m³ relativised for 1,000 visits/room night. In the following table it is relativised and compared with previous years:

	2016	2017	2018
PortAventura Park	41.24	44.39	41.34
PortAventura Caribe Aquatic Park	165.49	173.68	184.78
Hotel PortAventura	110.76	142.45	113.45
Hotel El Paso	58.10	51.31	53.93
Hotel Caribe	232.33	215.77	328.36
Hotel Gold River	29.01	18.94	30.08
Hotel Mansión de Lucy	31.19	27.98	28.11

Figures rounded to 2 decimal places. The Convention Centre does not use this category of water in its facilities.

In Ferrari Land, water is not consumed for recreation and swimming.



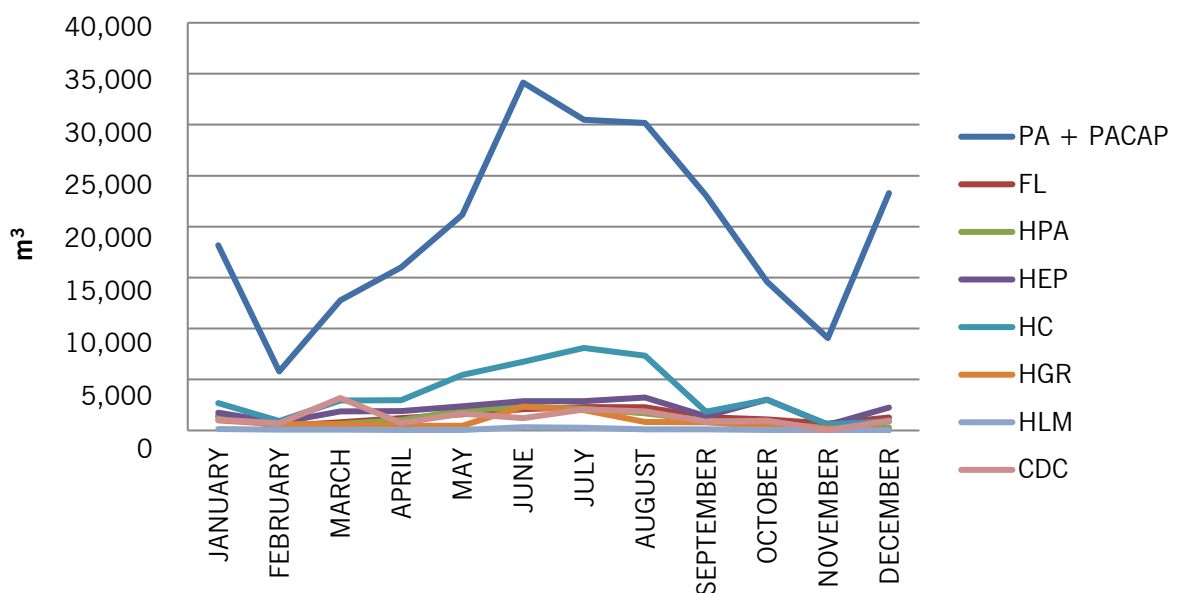
RECLAIMED WATER FOR IRRIGATION

This type of water consists of purified waste water that has undergone an additional or supplementary treatment process, allowing it to be used for certain purposes, in this case irrigation. The reclaimed water reused in PortAventura World comes from tertiary treatment at the Wastewater Treatment Plant in Vila-seca (Salou) and since 1996 has been used exclusively to water the vegetation.

In 2018, reclaimed water for irrigation in m³ and m² landscaped were as follows:

	m ³ reclaimed water for irrigation (2018)	m ² landscaped (2018)
PortAventura Park	238,713	445,365
PortAventura Caribe Aquatic Park		19,019
Ferrari Land	16,412	22,243
Hotel PortAventura	13,940	33,915
Hotel El Paso	24,868	21,038
Hotel Caribe	43,470	32,538
Hotel Gold River	11,112	46,712
Hotel Mansión de Lucy		5,542
Convention Centre	15,302	19,474

Reclaimed water for irrigation. 2018



Reclaimed water for irrigation in m³ relativised for 1,000 m² landscaped area. The relativisation and comparison with previous years are shown below:

	2016	2017	2018
PortAventura Park/PortAventura Caribe Aquatic Park	366.85	399.27	514.04
Ferrari Land	-----	663.95	737.85
Hotel PortAventura	486.81	610.35	411.03
Hotel El Paso	785.58	1,260.96	1,182.05
Hotel Caribe	872.06	1,387.52	1,335.98
Hotel Gold River/Hotel Mansión de Lucy	280.11	361.60	212.65
Convention Centre	982.90	867.72	785.77

Figures rounded to 2 decimal places.

OTHER WATER FOR IRRIGATION

Sometimes, water from the WWTP is not suitable for watering the gardens, either due to conductivity (concentration of salts), biological contamination or, above all, due to high turbidity. In these situations, when the water cannot be used for irrigation, alternative sources must be found in order to ensure the survival of plant species.

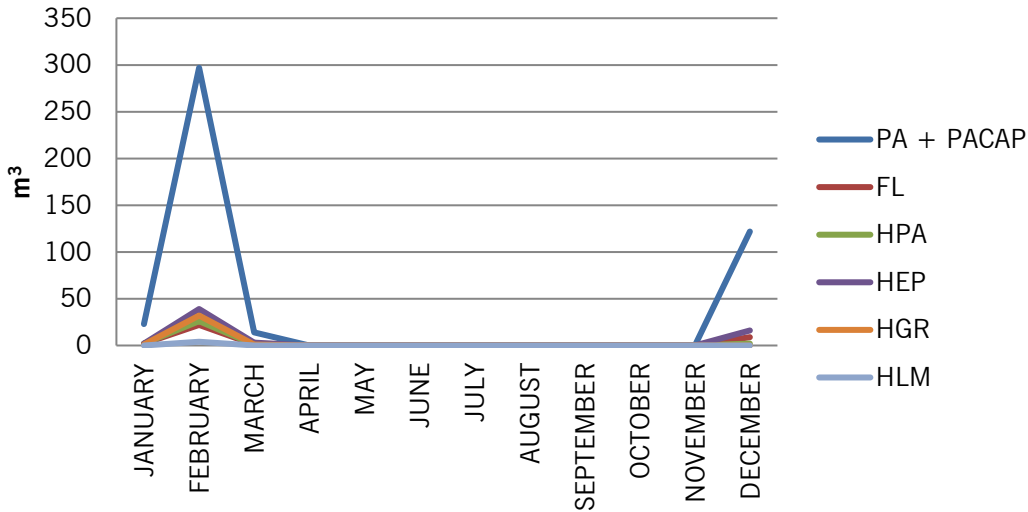
This consumption and subsequently its indicators are totally conditioned by the quality of water sent by Vila-seca and Salou WWTP.



In 2018, other water for irrigation in m³ and m² landscaped were as follows:

	m ³ other water for irrigation (2018)	m ² landscaped (2018)
PortAventura Park	456	445,365
PortAventura Caribe Aquatic Park		19,019
Ferrari Land	34	22,243
Hotel PortAventura	31	33,915
Hotel El Paso	60	21,038
Hotel Gold River	38	46,712
Hotel Mansión de Lucy		5,542

Other water for irrigation. 2018



Other water for irrigation in m³ relativised for 1,000 m² landscaped area. The relativisation and comparison with previous years are shown below:

	2016	2017	2018
PortAventura Park/PortAventura Caribe Aquatic Park	2.24	3.64	0.98
Ferrari Land	-----	6.05	1.53
Hotel PortAventura	2.18	14.12	0.91
Hotel El Paso	2.23	34.13	2.85
Hotel Gold River/Hotel Mansión de Lucy	0.67	1.24	0.73

Figures rounded to 2 decimal places. Hotel Caribe and the Convention Centre do not use this category of water.

WATER CATEGORISED BY DESTINATION

According to its final intended use, the water at PortAventura World can be classified as:

- Wastewater
- Stormwater

The entire PortAventura World resort is built on a project of separate networks that makes it possible to direct the different types of water to the most appropriate end destination.

WASTEWATER

All wastewater generated in the resort is conducted via a network of drains connected to the Wastewater Treatment Plant (WWTP) in Vila-seca and Salou where the water undergoes tertiary treatment in order to reclaim the water so that it can be used for irrigation within the resort and even for some of Vila-seca’s municipal parks and gardens.

Regular voluntary internal quality control checks are carried out on the wastewaters in the four sewers: Vila-seca, General (Salou), Hotel El Paso and Hotel Caribe. These provide us with a series of data that we can use to carry out any necessary improvements.

Below are the average values from the internal control analyses for the last 3 years:

	Vila-seca sewer		
	2016	2017	2018
Suspended matter (mg/l)	343.8	71	13.0
IM (Equitox/m ³)	9.6	3	<3.0
COD (not decanted) (mg O ₂ /l)	832.3	69	27
COD (decanted 2h) (COD) (mg O ₂ /l)	516.8	10	<10
Conductivity at 25 °C (µs/cm)	2398.0	1382	605
pH at 25 °C (u)	7.2	7.5	6.9
Chlorides (mg/l)	208.4	288	95.5
Kjeldahl Nitrogen (mg/l)	75.3	5.1	4.5
Total Phosphorus (mg/l)	13.7	0.9	1
Ammonium (mg/l)	62.9	0.5	4.1
Oils and fats (mg/l)	12.4	0.5	0.92

Figures rounded to 1 decimal place.

	General Sewer - Salou		
	2016	2017	2018
Suspended matter (mg/l)	150.3	33	54
IM (Equitox/m ³)	12.2	4.3	<3.0
COD (not decanted) (mg O ₂ /l)	589.5	272	160
COD (decanted 2h) (COD) (mg O ₂ /l)	396.5	71	90
Conductivity at 25 °C (µs/cm)	2309.0	1225	1879
pH at 25 °C (u)	7.4	8.1	7.3
Chlorides (mg/l)	147.2	122	286
Kjeldahl Nitrogen (mg/l)	93.5	34.9	31.1
Total Phosphorus (mg/l)	12.4	3.6	4.4
Ammonium (mg/l)	112.0	30.3	33.9
Oils and fats (mg/l)	45.5	3.2	<0.50

Figures rounded to 1 decimal place.

	Hotel El Paso sewer		
	2016	2017	2018
Suspended matter (mg/l)	69	13	51
IM (Equitox/m ³)	6.4	3	<3.0
COD (not decanted) (mg O ₂ /l)	661	21	43
COD (decanted 2h) (COD) (mg O ₂ /l)	254	10	10
Conductivity at 25 °C (μs/cm)	1768	1070	1407
pH at 25 °C (u)	7.1	7.7	6.8
Chlorides (mg/l)	868,5	133	267
Kjeldahl Nitrogen (mg/l)	57	2.5	4
Total Phosphorus (mg/l)	9.7	0.3	1.5
Ammonium (mg/l)	60.8	0.5	0.9
Oils and fats (mg/l)	7.2	0.5	<0.50

Figures rounded to 1 decimal place.

	Hotel Caribe sewer		
	2016	2017	2018
Suspended matter (mg/l)	72	54	33
IM (Equitox/m ³)	11	3	<3.0
COD (not decanted) (mg O ₂ /l)	764	115	37
COD (decanted 2h) (COD) (mg O ₂ /l)	480	11	10
Conductivity at 25 °C (μs/cm)	1594	1724	2260
pH at 25 °C (u)	6.8	8	7.3
Chlorides (mg/l)	162.2	339	501
Kjeldahl Nitrogen (mg/l)	41.6	7.9	7.2
Total Phosphorus (mg/l)	6.1	1.7	1.4
Ammonium (mg/l)	48.8	7.6	7.7
Oils and fats (mg/l)	9.8	0.5	<0.5

Figures rounded to 1 decimal place.

In 2018, in all the controls that were carried out, the limits were not exceeded in any of the 4 sewers.

STORMWATER

Typically stormwater represents a token gesture towards helping to manage water consumption, given the heavy rain in the Mediterranean. However it should be highlighted that thanks to the water network within the resort that separates waste and storm water we are able to benefit from some of the rain. PortAventura Park's main lake collects almost all of the rainfall in the park.



7.3 ENERGY MANAGEMENT

Electricity and gas, together with water, are the main natural resources consumed in PortAventura World.

ELECTRICITY

PortAventura World is equipped with an energy management system that is controlled by a central computer. This computer centralises programmable automatons (PLCs) responsible for the control of the principle energy consumers distributed throughout the facilities of the park and hotels.

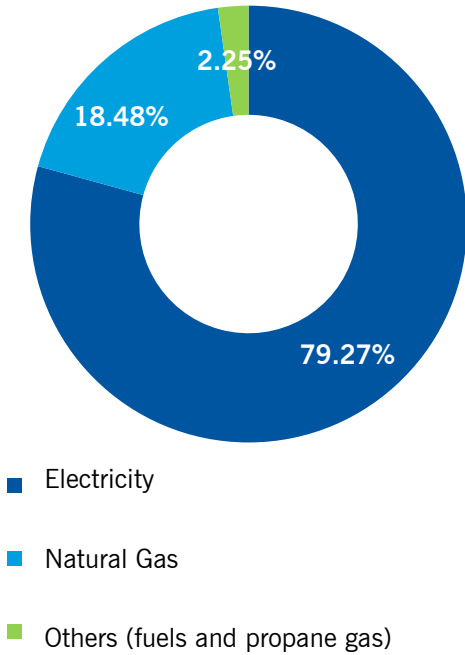
The facilities are also equipped with energy-saving resources, thereby reducing our carbon footprint. Some of the resources that we use are: energy saving/LED light bulbs, control of electrical consumption by computer system, etc. In addition, the hotels also include a connection key to supply energy to the room, shutting off of the air conditioning when the window is opened, etc.

SOURCE OF THE ELECTRICITY

100% of PortAventura World's electricity supply for 2018 comes exclusively from renewable energy sources without CO₂ emissions, Guarantee of Origin (GO).

Electricity represents around 79% of PortAventura World's total energy consumption.

% Energy consumption in PortAventura World in 2018



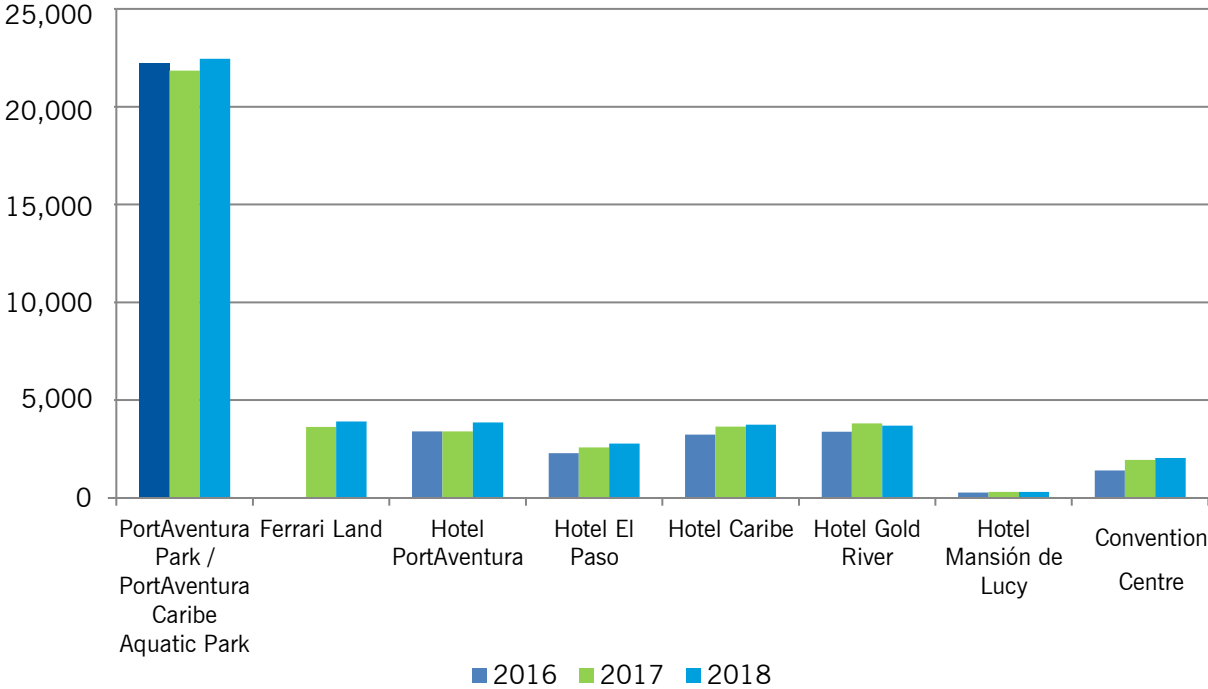
Figures rounded to 2 decimal places.



The following table shows electricity consumption in MWh/year and the visits-overnight stays in 2018:

	Electricity, MWh (2018)	Visits/overnight stays (2018)
PortAventura Park	22,455.02	3,589.918
PortAventura Caribe Aquatic Park		326,611
Ferrari Land	3,904.03	1,045.983
Hotel PortAventura	3,864.25	334,989
Hotel El Paso	2776.39	243,597
Hotel Caribe	3,740.70	246,195
Hotel Gold River	3,690.44	253,729
Hotel Mansión de Lucy	307.36	15,615
Convention Centre	2,051.07	73,671

Consumption of electricity in MWh



The following table shows consumption of electricity in MWh/year relativised for 1,000 visits-overnight stays and compared with previous years:

	2016	2017	2018
PortAventura Park/PortAventura Caribe Aquatic Park	5.70	5.46	5.73
Ferrari Land	-----	5.08	3.73
Hotel PortAventura	10.90	12.34	11.54
Hotel El Paso	11.18	10.86	11.40
Hotel Caribe	14.51	14.84	15.19
Hotel Gold River	15.15	13.81	14.54
Hotel Mansión de Lucy	19.52	18.80	19.68
Convention Centre	19.39	28.21	27.84

Figures rounded to 2 decimal places.



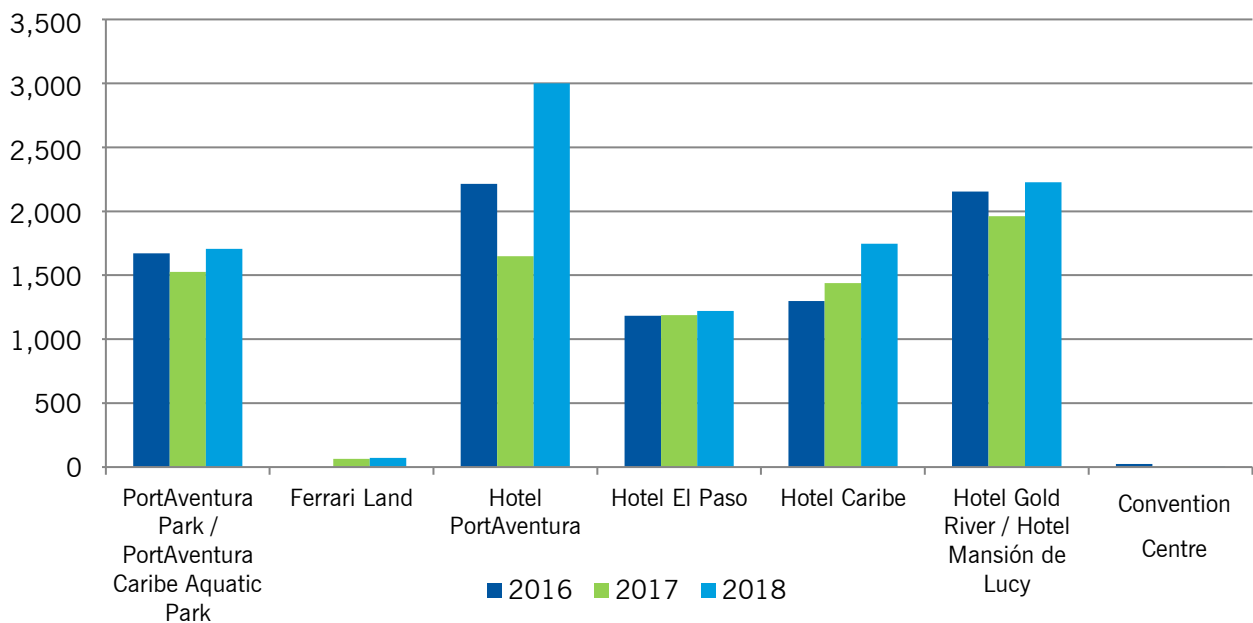
NATURAL GAS

In our facilities this type of energy is used mainly to heat water for personal hygiene, for use in the kitchens and for central heating.

In 2018, consumption of natural gas in MWh/year and visits-overnight stays were as follows:

	Natural gas, MWh (2018)	Visits/overnight stays (2018)
PortAventura Park	1,711.494	3,589.918
PortAventura Caribe Aquatic Park		326,611
Ferrari Land	72,45	1,045.983
Hotel PortAventura	3,000.03	334,989
Hotel El Paso	1,220.55	243,597
Hotel Caribe	1,744.61	246,195
Hotel Gold River	2,223.30	253,729
Hotel Mansión de Lucy		15,615
Convention Centre	5,09	73,671

Gas consumption in MWh



Consumption of natural gas in MWh is relativised for 1,000 visits-overnight stays and year. The following table shows the results from the last 3 years:

	2016	2017	2018
PortAventura Park/PortAventura Caribe Aquatic Park	0.43	0.38	0.44
Ferrari Land	----	0.09	0.07
Hotel PortAventura	7.09	5.99	8.96
Hotel El Paso	5.79	4.97	5.01
Hotel Caribe	5.81	5.84	7.09
Hotel Gold River + Hotel Mansión de Lucy	9.08	6.69	8.25
Convention Centre	0.33	0.07	0.07

Figures rounded to 2 decimal places.

OTHER ENERGIES

	2016	2017	2018
Fuels (MWh)	1,032	912	1,111
Propane gas (MWh)	84	99	103

The indicator for consumption per number of visits is not representative due to the high number of visits to the resort.



ENERGY EFFICIENCY

The energy efficiency of the entire resort is the sum of all energy consumptions (electricity, natural gas, fuels and propane gas) in MWh/year.

	2016 (MWh)	2017 (MWh)	2018 (MWh)
Diesel B	0.00	30.07	60.26*
Diesel A	815.86	697.95	773.47*
Diesel C	0.00	0.00	0.00
Petrol	216.46	183.51	277.31*
Consumption of Propane Gas	83.97	98.79	103.02
Consumption of Natural Gas	8,543.52	7,832.03	9,977.52
Consumption of Electricity	36,211.47	41,186.06	42,789.30
	45,871.28	50,028.41	53,980.88

*The consumption of fuels from the months of August to December has been calculated from an estimate, since actual consumption data are not available due to a fault in the internal service station counter.

In 2018, total energy consumption in MWh/year and visits-overnight stays were as follows:

	Total energy in MWh (2018)	Visits/overnight stays (2018)
Resort	*53,980.88	6,130.308

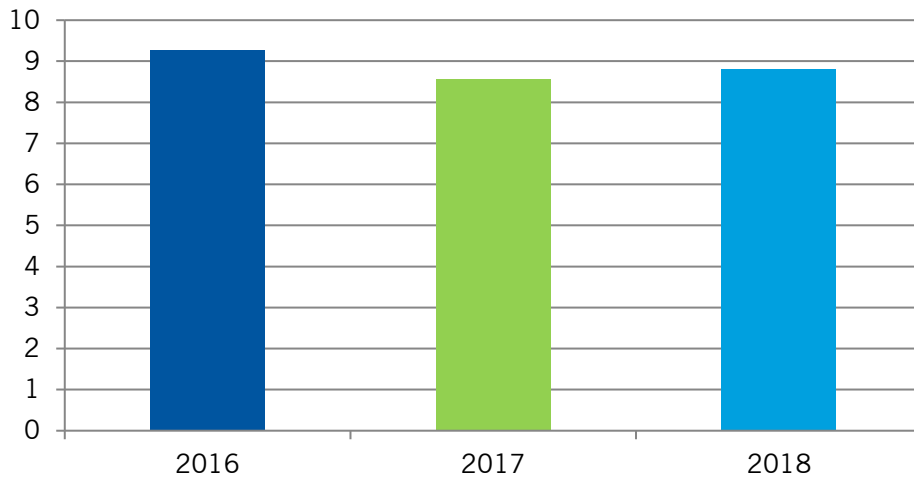
* Figures rounded to 2 decimal places.

Energy efficiency in MWh is relativised for 1,000 visits-overnight stays and year. The following table shows the results from the last 3 years:

	2016	2017	2018
Total energy in MWh relativised for 1,000 visits-overnight stays and year	9.27	8.57	8.81

Figures rounded to 2 decimal places.

Electricity in MWh per 1,000 visits-overnight stays



7.4 AIR EMISSIONS AND NOISE

According to current legislation, PortAventura World is exempt from periodic checks of its emission sources. However, as part of its commitment to the environment, it has been decided to take voluntary measurements of the emission sources every 3 years.

The emission points are:

- Diesel steam train locomotives (two engines).
- Natural gas-powered central heating and/or hot water boilers.
- Carpentry and painting.
- Motor vehicles.
- Combustion of natural gas in Templo del Fuego, FiestAventura and for heating and air conditioning.

The most recent voluntary measurements were taken in 2018, without having to take any subsequent corrective measures.

The final two are considered to be diffuse emissions and are managed by controlling consumption. It is considered that the indicator of total annual emissions to air of SO₂, NO_x and PM derived from the direct consumption of liquid fuels used for transport is not relevant if we take into account all of PortAventura World's activities.

In regard to noise emissions, voluntary acoustic measurements are taken every three years.

7.5 CARBON FOOTPRINT / GREENHOUSE GAS EMISSIONS

Since 2008 PortAventura World has been working on calculating the carbon footprint from its activities, quantifying the emissions of greenhouse gases expressed as tonnes of CO₂. Calculations are based on the current annual version of 'Guia pràctica per el càlcul d'emissions de gasos amb efecte hivernacle (GEH)' [practical guide to calculating the emissions of greenhouse gases (GHG)] issued by the Catalan Office for Climate Change: 'Font per al càlcul dels factors d'emissió: guia pràctica per al càlcul d'emissions de gasos amb efecte d'hivernacle (GEH)' (version March 2019).

This evaluation includes the following categories in accordance with international protocols:

- Scope 1. Direct emissions: emissions from the transport of own fleet and the combustion of fossil fuels (ACS/heating boilers), fugitive emissions of fluorinated gases from refrigeration equipment.
- Scope 2. Indirect emissions associated with electricity consumption.
- Scope 3. Other indirect emissions: treatment of municipal waste and consumption of drinking water.

	2016	2017	2018
Total annual greenhouse gas emissions expressed as equivalent tonnes of CO₂	5,565	7,405	6,977
⁽¹⁾ Annual greenhouse gas emissions expressed as equivalent tonnes of CO₂ per 1,000 visits-overnight stays and year	1.13	1.27	1.14

¹ Figures rounded to 2 decimal places.

Note: Since 2016, indirect emissions associated with electricity consumption are 0 tonnes CO₂/kWh because 100% of the supply comes exclusively from renewable sources without CO₂ emissions, Guarantee of Origin (GO).



7.6 BIODIVERSITY

m² constructed area:

	2016	2017	2018
PortAventura Park	262,702.07	262,702.07	262,852.11
PortAventura Caribe Aquatic Park	5,832.36	5,832.36	5,832.36
Ferrari Land	-----	58,827.46	58,872.46
Hotel PortAventura	33,839.91	33,839.91	33,839.91
Hotel El Paso	26,827.69	26,827.69	26,827.69
Hotel Caribe	30,708.47	30,708.47	30,708.47
Hotel Gold River/Hotel Mansión de Lucy	36,851.04	36,851.04	36,851.04
Convention Centre	13,588.61	13,588.61	13,588.61

Figures rounded to 2 decimal places.



7.7 EFFICIENT CONSUMPTION OF MATERIALS

Materials	Environmental Aspect	2016	2017	2018
Chemical products for swimming pool and lake maintenance (Kg)*	Consumption of chemical products	768,636.81	790,728.40	813,599.00
Lighting (units)	Luminous emissions into the atmosphere	19,441	19,917	21,211
Bags for sale of products in resort shops (Kg)	Use of natural resources	11,156	19,122	5,540
Cleaning products (Kg)*	Consumption of chemical products	119.962,30	162.345,17	104.467,11
Oils and lubricants (Kg)*	Consumption of chemical products	10.808,95	6.862,00	8.611,80

The indicator for these materials per number of visitors is not representative due to the high number of visitors to the resort.

(*) Figures rounded to 2 decimal places.





8 ENVIRONMENTAL LEGISLATION

PortAventura World has contracted the services of an external specialist company for the identification and evaluation of compliance with applicable legislation and other requisites that it has voluntarily subscribed to.

Computerised tools are used to identify the legislation applicable to the organisation on matters of environment and industrial safety on an international, European, national, regional and local scale, as well as all other requirements.

Experts carry out an annual review to verify legal compliance, in order to guarantee that the company is operating under the terms established by law.

The following table shows some of the legal requisites that must be strictly observed by PortAventura World:

Legislation	Legal requirements
Law 20/2009, of 4 December, on prevention and environmental control of activities.	Regarding the resolution of the environmental authorisation of PortAventura World on 31 July 2013, and its subsequent resolutions for non-substantial changes. For example: Angkor (21/01/2014), expansion of Hotel Gold River (06/10/2014), Hotel Mansión de Lucy (23/01/2015) and the opening of Ferrari Land (25/11/2016).
Royal Legislative Decree 1/2001, of 20 July, which approves the Consolidated Water Act.	Grants the Reclaimed Water Permit, granting permission to use treated water from Vila-seca and Salou WWTP for irrigation of green areas in the parks and hotels.
Decree 130/2003, of 13 May, which approves Public Sanitation Service Regulations.	Provides for 2013 environmental authorisation, including the permit for disposal of wastewaters.
Decree 176/2009, of 10 November, which approves Regulation of Law 16/2002, of 28 June, on protection against sound pollution that is adapted in its annexes.	Sound measurements are taken every three years.
Technical instruction for arrangement of emission sources to perform emission measurements (IT AT 2).	Measurements of emission sources were performed in 2018, although there is no legal obligation to perform this control. Measurements are scheduled again in 2021.

Legislation	Legal requirements
<p>Regulation (EU) 517/2014 of the European Parliament and Council, 16 April 2014 on fluorinated greenhouse gases and by which Regulation (EC) No 842/2006 is repealed.</p>	<p>Leak checks of equipment containing fluorinated gases are performed according to the frequency established in the Regulation on the basis of equivalent tonnes of CO₂.</p>
<p>Decree 190/2015, of 25 August, development of Law 6/2001 of 31 May, environmental arrangement of lighting for the protection of the nocturnal medium.</p>	<p>Application for new lighting installations and devices, and modifications and extensions of existing facilities.</p>
<p>Law 22/2011, of 28 July, on contaminated soils and wastes.</p>	<p>Provides for management of waste by promoting measures to prevent generation of it and to mitigate adverse impacts on human health and on the environment associated with generation and handling, prioritising waste-to-energy management.</p>
<p>Royal Decree 180/2015 of 13 March regulating transportation of wastes in Spain.</p>	<p>Contracts and prior notifications with the corresponding waste managers are available.</p>
<p>Royal Decree 56/2016, of 12 February, which transposes Directive 2012/27/EU of the European Parliament and of the Council, of 25 October 2012, on energy efficiency, with regard to energy audits, accreditation of energy service providers and auditors and the promotion of the efficiency of the power supply.</p>	<p>The corresponding energy efficiency audit has been carried out.</p>
<p>Resolution TES/1113/2016, of 19 April, establishing environmental criteria for awarding hotel operators the Environmental Quality Standard.</p>	<p>In February 2017 the Environmental Quality Standard was renewed for Hotel PortAventura, Hotel El Paso, Hotel Caribe and Hotel Gold River. Hotel Mansión de Lucy obtained this standard for the first time in March 2016 and it was renewed in 2019. Currently there are 5 hotels in the resort that have obtained this standard.</p>
<p>Royal Decree 235/2013 of 5 April approves the basic procedure for the certification of the energy efficiency of buildings. Royal Decree 564/2017 of 2 June, which modifies Royal Decree 235/2013 of 5 April and approves the basic procedure for the certification of the energy efficiency of buildings.</p>	<p>Applicable to new builds: Hotel Gold River, ChikiTienda, Angkor, The Callaghan's, buildings in Ferrari Land. It does not currently apply to all the other buildings.</p>
<p>Decree 30/2015, of 3 March, which approves the catalogue of activities and centres obliged to adopt self-protection measures and establishes the content of these measures.</p>	<p>Approved by Civil Protection on 8 October 2013. In 2017 UDP was revised and in 2018 it was submitted to Civil Protection and is pending approval.</p>

Legislation	Legal requirements
<p>Royal Decree 513/2017, of 22 May, which approves Fire Protection Regulations.</p>	<p>Maintenance of fire protection facilities and the quarterly, six-monthly and annual review of fire protection systems, and the five-year review of fire hose cabinets.</p>
<p>Royal Decree 238/2013, of 5 April, amending certain articles and technical instructions for the Regulation of Thermal Installations in Buildings, approved by Royal Decree 1027/2007 of 20 July.</p>	<p>Inspection of the energy efficiency of air conditioning units with output equal to or greater than 12 kW. Perform inspection in thermal installation for heating and hot water systems with output equal to or greater than 20 kW.</p>
<p>Royal Decree 138/2011, which approves Safety Regulation for refrigeration units and their supplementary technical instructions.</p>	<p>Provides for legalisation of refrigeration systems and corresponding reviews.</p>
<p>Royal Decree 337/2014, of 9 May, in approval of the Regulation on technical conditions and safety guarantees in high voltage electrical installations and Supplementary Technical Instructions ITC-RAT 01 to 23.</p>	<p>Regulates legalisation of high voltage installations and associated inspections.</p>
<p>Royal Decree 97/2014 of 14 February regulating road transport of hazardous goods in Spain.</p>	<p>Handled by the Safety Adviser, the annual report is delivered to the competent body in the first quarter of the year. The annual technical visit is carried out with its corresponding report.</p>
<p>Royal Decree 656/2017, of 23 June, which approves Chemical Product Storage Regulations and its Complementary Technical Instructions MIE APQ 0 to 10 is approved.</p>	<p>If a new storage of chemical products is required, it would be carried out as established in this Royal Decree.</p>
<p>Royal Decree 210/2018 of 6 April approves the Programme for Prevention and Management of Wastes and Resources of Catalonia (PRECAT20).</p>	<p>The Programme for Prevention and Management of Wastes and Resources of Catalonia is taken into account, which determines the planning of the Government of the Generalitat de Catalunya for the prevention and management of wastes and the efficient use of resources.</p>
<p>Royal Decree 293/2018, of 18 May, on the reduction of consumption of plastic bags and by which the Register of Producers is created.</p>	<p>As of 1 July 2018, the free provision to consumers of plastic bags at the points of sale of goods or products is forbidden; an amount is charged for each plastic bag that is provided to the consumer.</p>

Legislation	Legal requirements
<p>Royal Decree 902/2018, of 20 July, which modifies Royal Decree 140/2003, of 7 February, which establishes the sanitary criteria for the quality of water for human consumption, and the specifications of the methods of analysis of Royal Decree 1798/2010, of 30 December, which regulates the exploitation and sale of natural mineral waters and spring waters packaged for human consumption, and Royal Decree 1799/2010, of 30 December, by which the process of packaging and sale of pre-packaged waters for human consumption is regulated.</p>	<p>The control analyses of the waters for human consumption are carried out according to the parameters and in accordance with the provisions of Art. 18 of Royal Decree 140/2003.</p>
<p>Decree 139/2018, of 3 July, on atmospheric environmental intervention regimes for establishments carrying out activities potentially contaminating the atmosphere.</p>	<p>They are classifying the emitting centres according to CAPCA and registering them in the electronic database.</p>



9 VALIDATION

Environmental declaration updated in accordance with the requirements established in Annex IV. Regulation (EC) No. 1221/2009 of the EUROPEAN PARLIAMENT AND COUNCIL of 25 November 2009 on the voluntary participation by organisations in a Community eco-management and audit scheme (EMAS), repealing Regulation (EC) No. 761/2001 and Decisions 2001/681/EC and 2006/193/EC of the Commission.

TÜV Rheinland Ibérica,

Inspection, Certification and Testing, S.A. (004-V-EMAS-R)

Organisation no. ES-V-0010

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