



CREATIVE



Reading Festival 2018

CREATIVE GREEN REPORT
2018

2018

Reading Festival 2018

CREATIVE GREEN KEY RESULTS

Environmental assessment of:

COMMITMENT	34 / 40
UNDERSTANDING	24 / 25
IMPROVEMENT	10 / 35

TOTAL POINTS 68 / 100



COMMITMENT to the environment

- ✓ Policy
- ✓ Action plan
- ✓ Integration with core organisational development
- ✓ Staff roles and responsibilities
- ✓ Procurement policy
- ✓ Communication and engagement with key stakeholders



UNDERSTANDING of the following environmental impacts



energy



emissions



water



waste



travel



people

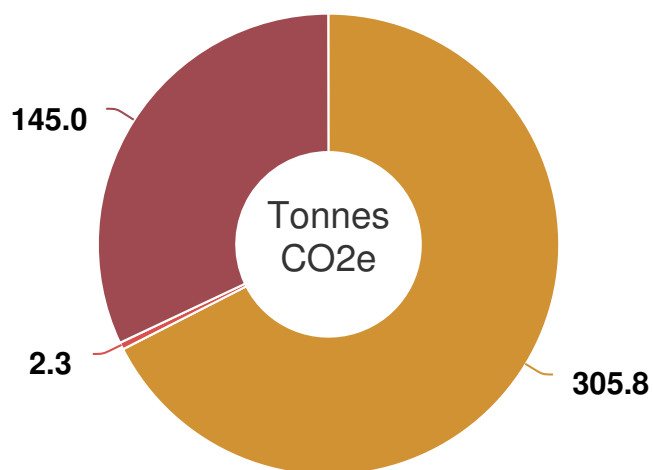


IMPROVEMENT towards reducing environmental impacts

RELATIVE REDUCTION	ENERGY	EMISSIONS	WATER	WASTE
Current vs previous year	↓	↑	↑	↑
Current vs baseline year	↓	↓	↑	↑

PROFILE

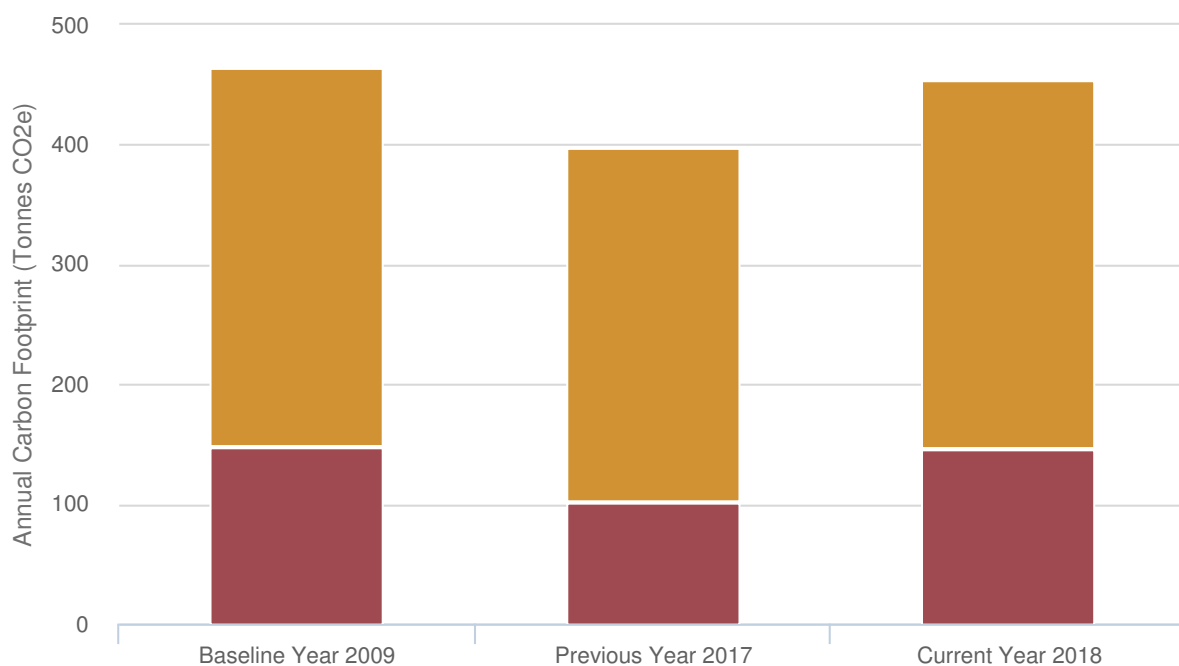
READING FESTIVAL 2018		STATISTICS
Type	Festival/Event	
Festival size	major	
Visitors/Tickets/Attendees	99,999	
Number of stages	10	
Number of artists		



The total carbon footprint in 2018 was 453 Tonnes CO2e

- Non-mains energy
- Total water use and waste water
- Waste

Note: All figures are rounded



CARBON FOOTPRINT

HIGHLIGHTS



COMMITMENT to the environment

- Festival Republic won the Outstanding Achievement Award at the 2018 Creative Green Awards for demonstrating business leadership with their work on biofuel procurement and lifecycle eco-design for tents with Comp-A-Tent and Julie's Bicycle.
- In 2018, Festival Republic held sustainability training sessions with 25 staff across all departments in partnership with Julie's Bicycle.
- Festival Republic are working on a project exploring ways to make festivals more circular as part of Arts Council England's Accelerator Programme.
- A Sustainability Policy Declaration for traders sets sustainability criteria which traders must adhere to e.g. no plastic packaging; compostable receptacles only etc.
- A Sustainability Communications Plan is in place which communicates environmental initiatives to audiences before, during and after the festival e.g. website pages, green newsletters, press releases, posters and screen messaging onsite etc.
- Partners Sustainability Guidelines are sent to all sponsors developed jointly with the sponsorship department and FR collaborates with Greenpeace, Friends of the Earth, Liftshare and Every Can Counts on green initiatives.
- Reading and Leeds Festival won Best Festival at the 2018 Creative Green Awards.

UNDERSTANDING of the following environmental impacts

- Reading Festival monitor their core environmental impacts with data collected used to set annual targets for energy, water, waste and audience travel.
- Sustainability debrief carried out with the Sustainability Coordinator and the event management team each year to evaluate past activities and set targets/priorities.
- Diesel use is monitored across the festival for generators, concessions and vehicles with generator number, size, telemetry and total power recorded.
- The sustainability team works closely with the cleaning and waste management contractor before and during the festival to monitor operations with detailed reports produced.
- All contractors are contractually obliged to submit their mileage with Energy Revolution recommended to all suppliers to carbon balance their travel impacts.
- Figures are collated for plastic bottle and paper cup returns as part of the deposit scheme with figures compared to overall consumption.

ABOUT CERTIFICATION



Creative Green is more than a certification scheme - it's an international community of pioneering creative and cultural organisations, recognised for their ambition and action on environmental sustainability. With over 250 certificates awarded since its launch in 2009, Creative Green remains the only environmental certification designed specifically for the creative and cultural sector.

Creative Green offers venues, museums, galleries, festivals and offices a transparent, methodical and inspiring framework for achieving environmental best practice, as well as a forum for recognition and celebration. It supports organisations' environmental impact reductions through its three strands: Commitment, Understanding and Improvement. Points are accrued within each strand and a one to five star certification is awarded based on the total number gained.

The methodology of Creative Green follows best practice and international standards for measurement, reporting and reduction of environmental impacts and it has been designed in partnership with arts, cultural and entertainment organisations.

The continuing emphasis on carbon emissions reductions align the Creative Green community to the ambitions of the Paris Agreement, reached at COP21 in 2015, to keep global temperatures well below 2 degrees of warming.

ASSESSMENT AREAS

COMMITMENT

- Environmental policy and action plan
- Integration of environmental sustainability in broader business mission, strategy or planning
- Environmental responsibilities
- Environmental procurement and sourcing
- Stakeholder communications and engagement

UNDERSTANDING

- Breadth and depth of understanding of environmental impacts
- Extent to which environmental data is used inform action and track progress in reducing impacts

IMPROVEMENT

- Quantifiable reductions in direct environmental impacts, i.e. impacts over which an organisation has direct control such as energy use and waste generation, both total relative impacts
- Actions to address indirect environmental impacts, i.e. impacts over which an event has limited or no direct control, such as audience travel

RESULTS IN FULL



ENVIRONMENTAL COMMITMENT

ASSESSMENT AREAS	POINTS AVAILABLE	POINTS AWARDED
Policy, strategy & responsibilities	12	11
Procurement	5	4
Communication and engagement	23	19
Total Points	40	34

HIGHLIGHTS

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RECOMMENDATIONS

- Continue to engage with the biofuel industry ensuring that Festival Republic make the case to potential biofuel providers for tracing their supply to farm level and establishing public grievance systems.
- Aim to develop and test new materials and solutions around plastics and other materials at festivals, while sharing findings and learning from the Circular Festivals project with the wider creative sector.
- Strengthen and improve food and non-food traders' communications about Reading's environmental policies to ensure engagement and full adherence.
- Explore and pilot new ways of engaging audiences the festival's programming (e.g. onsite workshops for the public, legacy projects like tree planting programmes, etc.)
- Involve artists in the festival's environmental strategy and ambition and explore/test ways in which they could both reduce their own impacts (e.g. adopting green riders) and participate in the public conversation about climate breakdown and the biodiversity crisis (campaigns to raise awareness, make pledges, etc.)

ENVIRONMENTAL UNDERSTANDING

ASSESSMENT AREAS	POINTS AVAILABLE	POINTS SCORED
Submission of energy, water, waste, transport, production	4	4
Attitudinal insights	4	3
In-depth understanding of energy, water and waste	8	8
Monitoring of other impact	3	3
Use of data for setting targets and Key Performance Indicators in policy and action plans	4	4
Evaluation of learning and outcomes	2	2
Total Points	25	24

HIGHLIGHTS

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RECOMMENDATIONS

- Continue to use environmental impact data to set meaningful KPIs and explore how to link these targets to the [Science Based Target Initiative](#).
- Consider monitoring individual trader's energy use to trial a pay per use system and engage them on improving energy efficiency.
- Consider undertaking a food carbon footprint to build communications collateral which can be used to engage traders, artists and audiences.

ENVIRONMENTAL IMPROVEMENT

HIGHLIGHTS

Current year: 2018

Baseline: energy use 2009, energy related emissions 2009, water use 2009, waste generation 2009, and business travel 2009

This tables present your percentage change in environmental impacts in absolute and relative terms against the previous and baseline years.

ABSOLUTE	CURRENT VS. BASELINE	CURRENT VS. PREVIOUS	POINTS AVAILABLE	POINTS AWARDED
Energy use	-14 %	-2 %	3	1
Energy use related emissions	-1 %	5 %	3	0
Water	92 %	135 %	2	0
Waste	36 %	21 %	2	0
Transport	No data	No data	2	2
Total Points			12	3

RELATIVE	RELATIVE METRIC	CURRENT VS. BASELINE	CURRENT VS. PREVIOUS	POINTS AVAILABLE	POINTS AWARDED
Energy use	per Audience day	-29 %	-7 %	5	4
Energy use related emissions	per Audience day	-18 %	0 %	5	2
Water	per Audience day	58 %	123 %	4	0
Waste	per Audience day	12 %	15 %	4	0
Transport	per Audience day	No data	No data	4	0
Total Points				22	6



ENVIRONMENTAL IMPROVEMENT

RECOMMENDATIONS

The automation of this report currently excludes Reading's data for mains energy use and audience travel related emissions. Please see Appendixes 1-3 for Reading's footprint including all impacts.

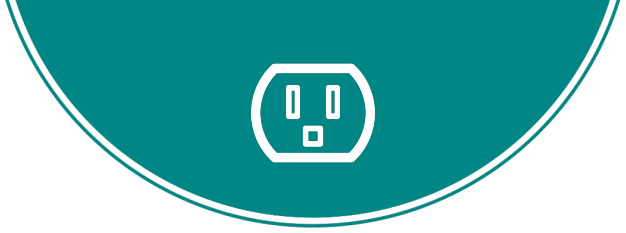
Highlights

- In 2018 Reading included carbon balancing to those who chose to travel by car, £1 was added on top of every car park ticket sold which was donated to Energy Revolution who invest 100% of the donations towards renewable projects. In total Reading balanced 551,773 average car miles, a carbon equivalent of 170,360kg CO₂e. This resulted in £8518 donated to Solar to Schools a project putting solar panels on school roofs across the UK.
- Energy use per audience day decreased 7% between 2017 and 2018 decreasing 29% since 2009.
- Energy use related emissions per audience day stable between 2017 and 2018 decreasing 18% since 2009.

Next Steps

- Continue collaborating with other festivals to increase awareness in the sector and build Festival Republic's leadership role.
- On festival sites where long-term land agreements exist, explore the possibility of installing mains supply cabinets that would allow them to connect to the national grid and supply clean energy at the festival.
- Continue to set targets for individual suppliers on site and consider ways to engage them on these targets e.g. competition, rewards etc.
- Introduce compost toilets to reduce water consumption and related water/sewage transport and sewage treatment emissions.
- Review waste strategy and ensure that all areas of Reading have equal access to good waste separation e.g. consider introducing the Nifty bin system in artist areas.
- Explore what facilities/initiatives in place in Download's Eco-Camp could be replicated at Reading in 2019.

Note: two additional points have been awarded for Reading's commitment to monitoring and reducing business and audience travel.

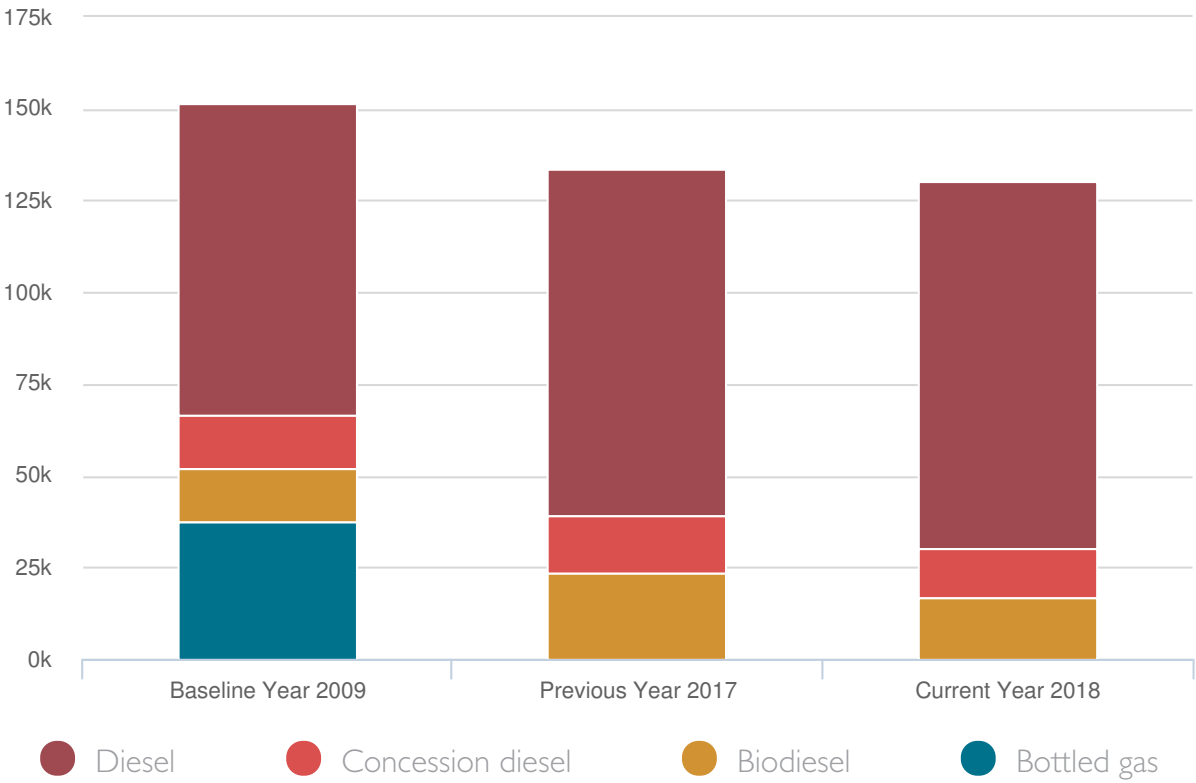


ENERGY USE

ENERGY USE	UNIT	BASELINE YEAR 2009	PREVIOUS YEAR 2017	CURRENT YEAR 2018	% CHANGE CURRENT VS PREVIOUS	% CHANGE CURRENT VS BASELINE
Energy use (non-mains) -- absolute	litres	151,758	133,447	130,097	-2 %	-14 %
Energy use (non-mains) -- relative	litres per Audience day	0.6	0.5	0.4	-7 %	-29 %
Diesel	litres	85,000	94,123	100,034	6 %	17 %
Concession diesel	litres	14,540	15,824	13,542	-14 %	-6 %
Biodiesel	litres	15,000	23,500	16,521	-29 %	10 %
Bottled gas	litres	37,218	0.0	0.0	No data	No data



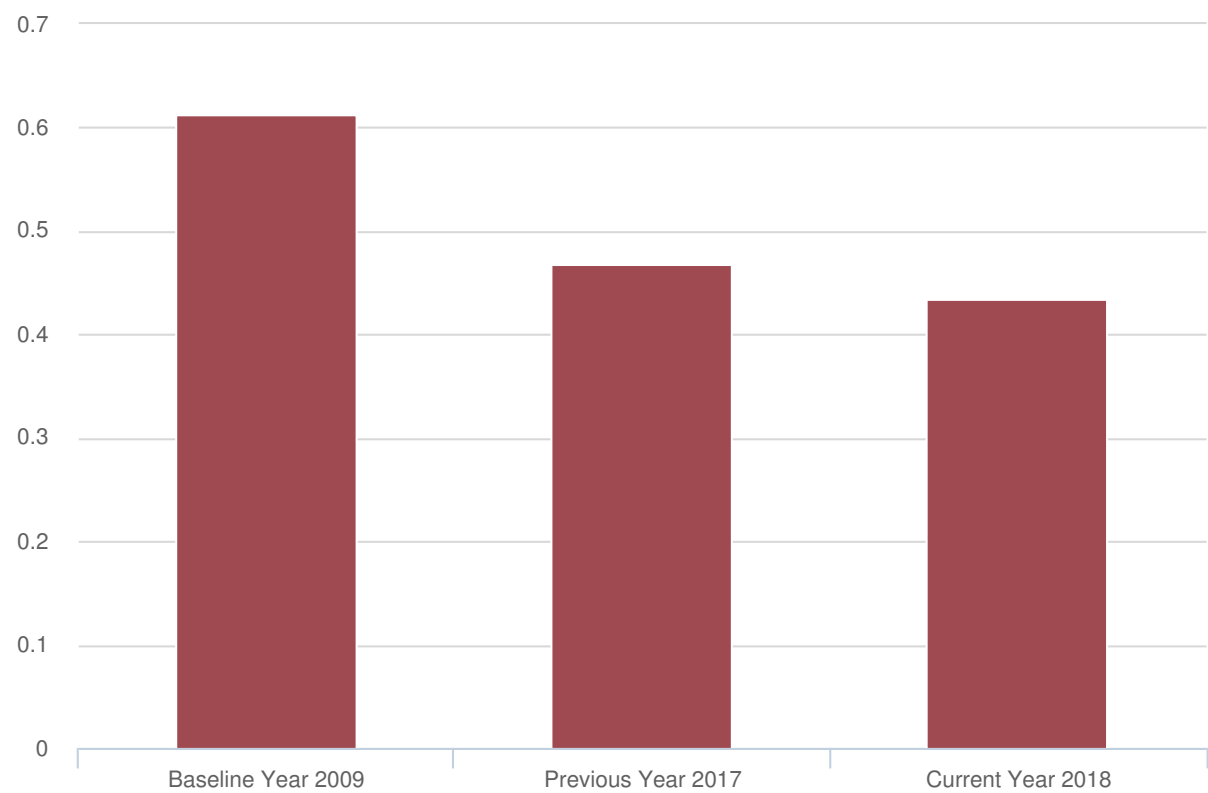
Energy consumption (litres)





ENERGY USE

Energy consumption (litres per audience day)

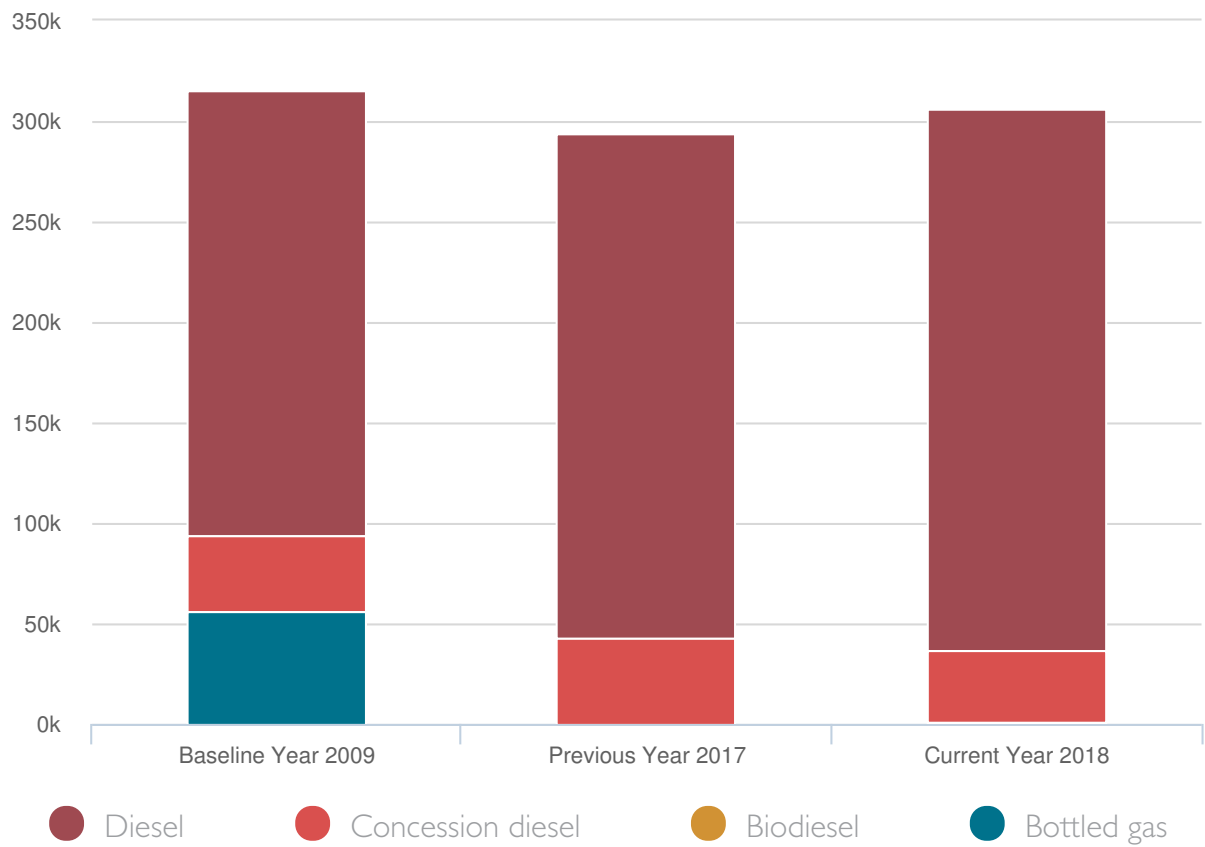




ENERGY USE RELATED EMISSIONS

ENERGY RELATED EMISSIONS	UNIT	BASELINE YEAR 2009	PREVIOUS YEAR 2017	CURRENT YEAR 2018	% CHANGE CURRENT VS PREVIOUS	% CHANGE CURRENT VS BASELINE
Energy use emissions (all sources) - absolute	kg CO2e	317,028	294,664	310,907	5 %	-1 %
Energy use emissions (all sources) - relative	kg CO2e per Audience day	1	1	1	0 %	-18 %
Diesel	kg CO2e	221,204	251,490	268,870	6 %	21 %
Concession diesel	kg CO2e	37,839	42,281	36,398	-13 %	-3 %
Biodiesel	kg CO2e	263	470	572	21 %	117 %
Bottled gas	kg CO2e	55,911	0.0	0.0	No data	No data

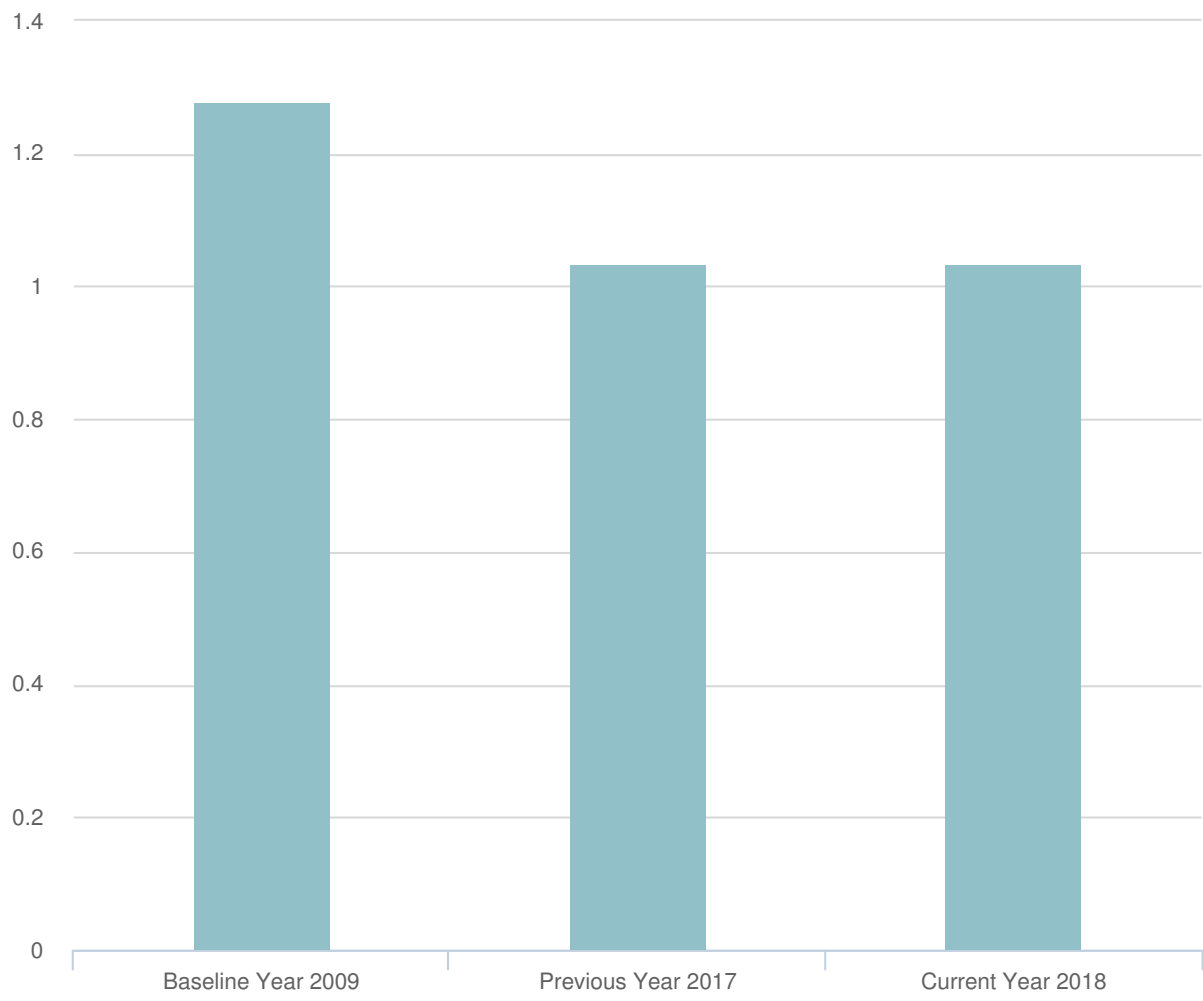
Energy use emissions (kg CO2e)





ENERGY USE RELATED EMISSIONS

Energy use emissions (kg CO2e per audience day)

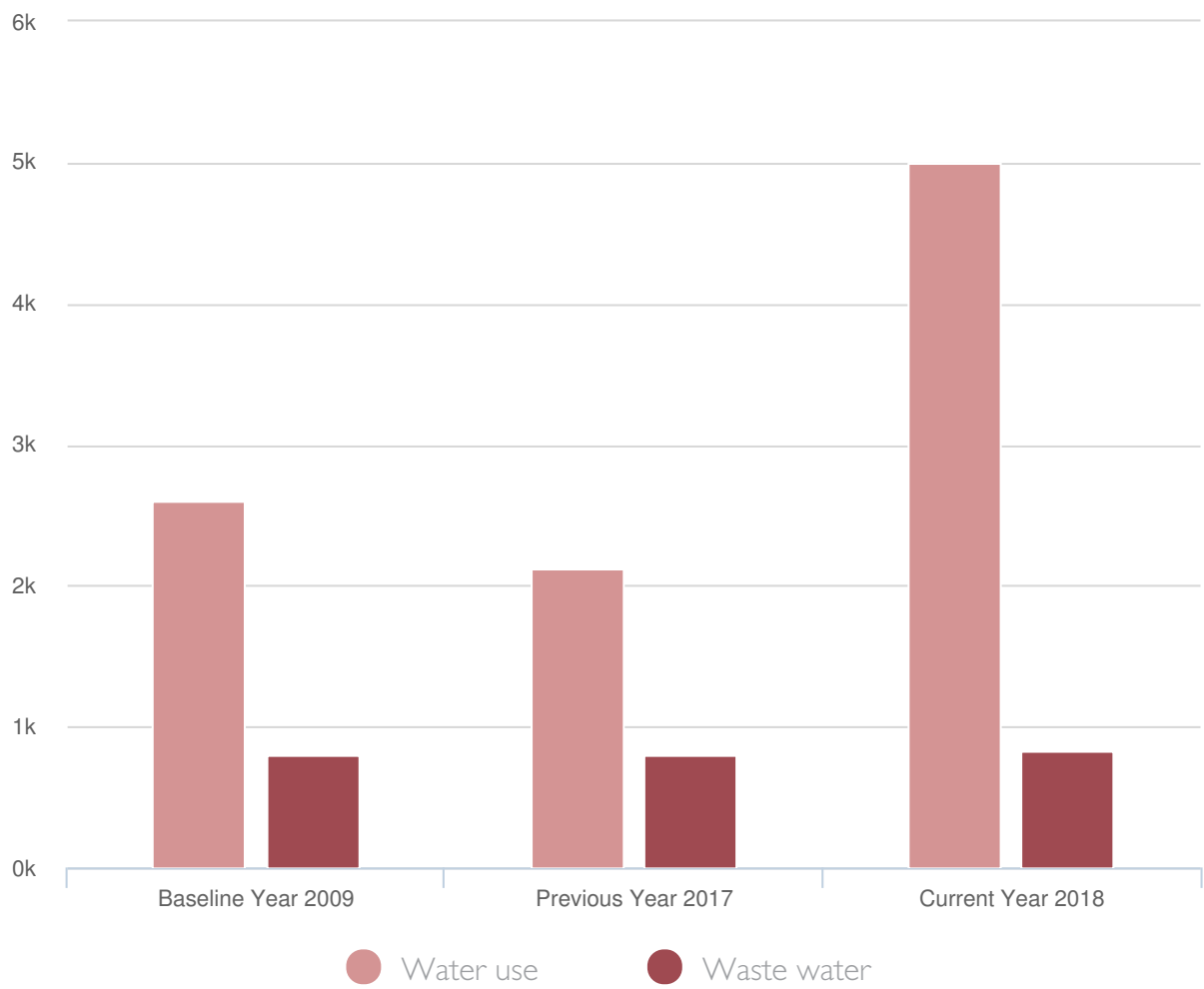




WATER USE

WATER USE	UNIT	BASELINE YEAR 2009	PREVIOUS YEAR 2017	CURRENT YEAR 2018	% CHANGE CURRENT VS PREVIOUS	% CHANGE CURRENT VS BASELINE
Total water use and waste water	m3	2,600	2,121	4,994	135 %	92 %
Relative water use and waste water	litres per Audience day	10	7	17	123 %	58 %
Water use	m3	2,600	2,121	4,994	135 %	92 %
Waste water	m3	1,974	800	827	3 %	-58 %

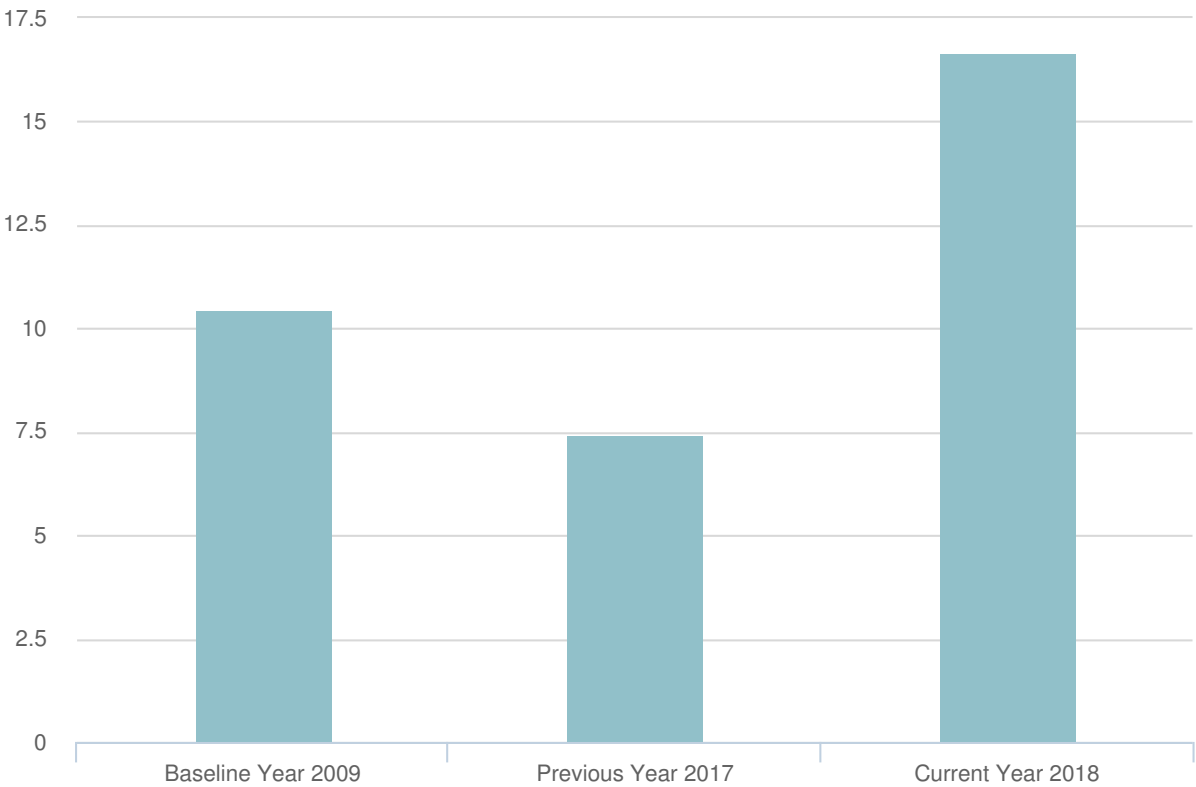
Water use (m3)





WATER USE

Water use (litres per audience day)

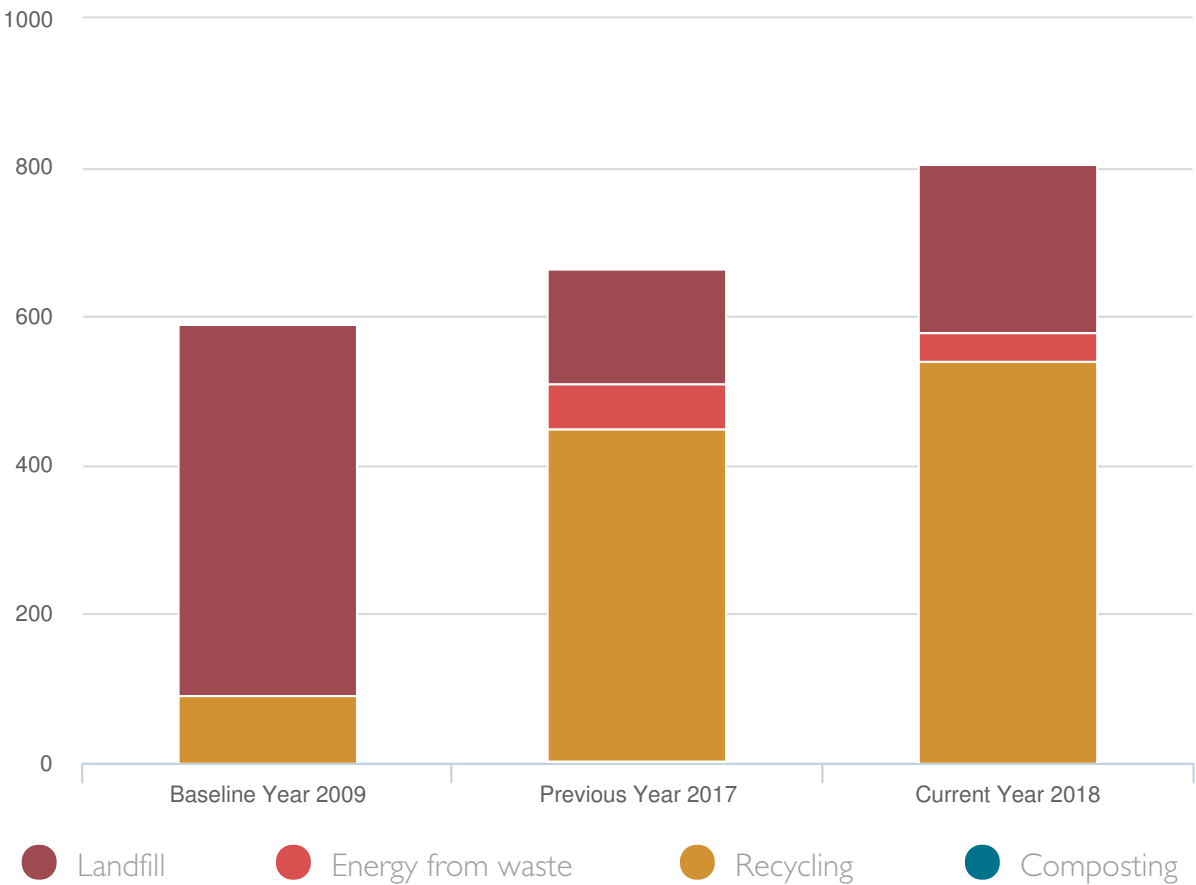




WASTE GENERATION

WASTE	UNIT	BASELINE YEAR 2009	PREVIOUS YEAR 2017	CURRENT YEAR 2018	% CHANGE CURRENT VS PREVIOUS	% CHANGE CURRENT VS BASELINE
Waste generation - absolute	tonnes	590	663	804	21 %	36 %
Waste generation - relative	kg per Audience day	2	2	3	15 %	12 %
Landfill waste	tonnes	500	154	226	47 %	-54 %
Energy from waste	tonnes	0.0	61	37	-38 %	No data
Recycling	tonnes	90	446	541	21 %	500 %
Composting	tonnes	0.0	2	0.0	No data	No data

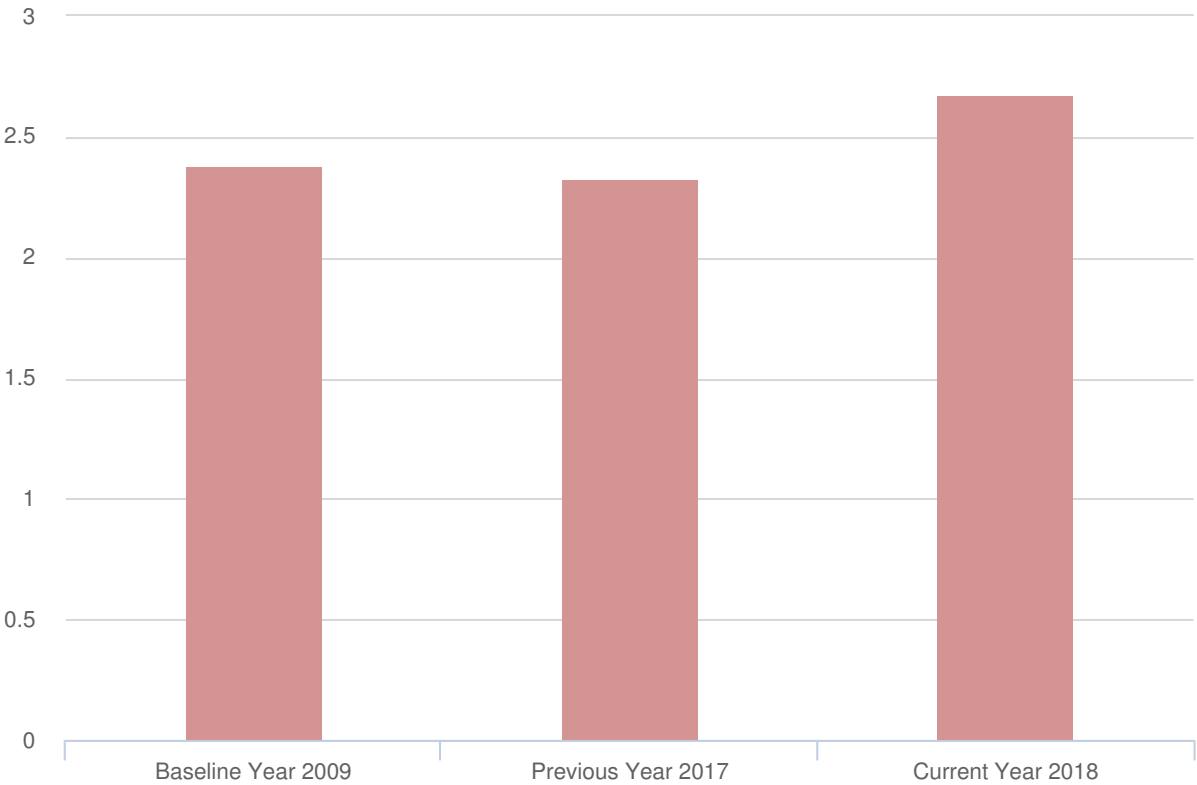
Waste (tonnes)





WASTE GENERATION

Waste (kg per audience day)





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