

Julie's Bicycle

CREATIVE • CLIMATE • ACTION



Image: Festival Republic, Lindsay Melbourne

Reading Festival 2019

CREATIVE GREEN REPORT
2019



Creative Green
Certified

Environmental assessment of:

COMMITMENT	39 / 40
UNDERSTANDING	25 / 25
IMPROVEMENT	21 / 35

TOTAL POINTS 85 / 100



COMMITMENT to the environment

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



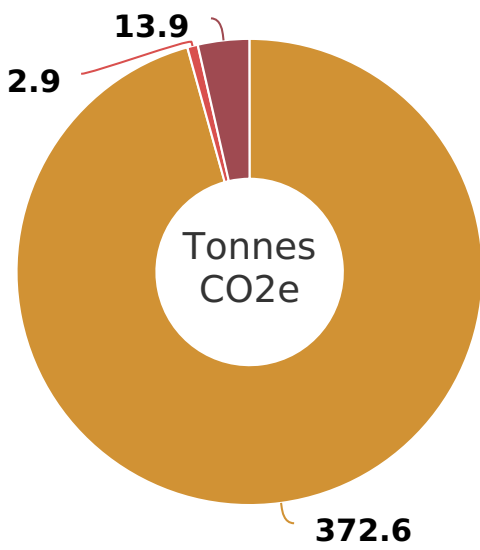
UNDERSTANDING of the following environmental impacts



IMPROVEMENT towards reducing environmental impacts

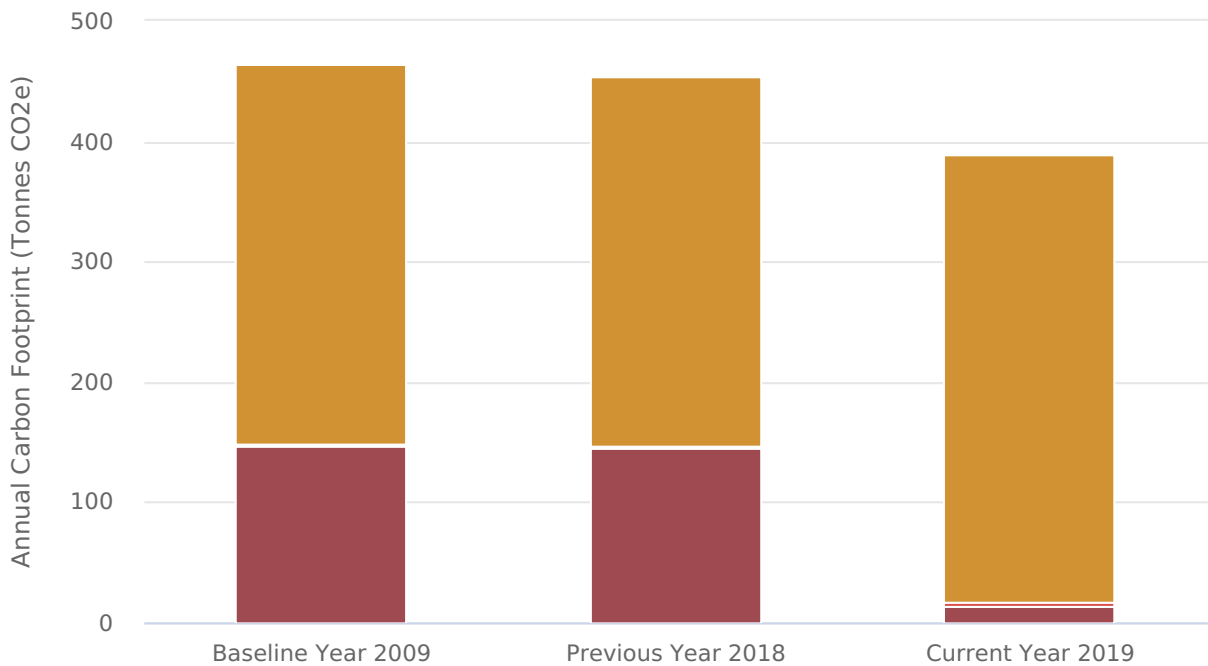
RELATIVE REDUCTION	ENERGY	EMISSIONS	WATER	WASTE
Current vs previous year	↑	↑	↑	↓
Current vs baseline year	↓	↓	↑	↓

READING FESTIVAL 2019		STATISTICS	
Type	Festival/Event		
Festival size	major		
Visitors/Tickets/Attendees	104,999		
Number of stages	10		
Number of artists			



The total carbon footprint in 2019 was 389 Tonnes CO2e

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



HIGHLIGHTS



COMMITMENT to the environment

- Live Nation's Environmental Sustainability Charter is made public with a clear commitment towards Climate Change action and key environmental impacts
- Established and active Sustainability Team in place with a Head of Sustainability, Sustainability Coordinator and Sustainability Assistants, Green Team Supervisors and Volunteers at each festival
- A Sustainability Policy Declaration for traders sets sustainability expectations and criteria which traders must adhere to e.g. no plastic; compostable receptacles only, etc.
- A Sustainability Communications Plan is in place which communicates environmental initiatives to staff, volunteers, artists and audiences before, during and after the festival e.g. website pages, green guides, meetings, briefings, green newsletters, tickets, press releases, posters and screen messaging onsite, etc.
- Partners Sustainability Guidelines are sent to all sponsors. FR collaborates with local organisations, charities and other green organisations on green initiatives

UNDERSTANDING of the following environmental impacts

- The Sustainability Coordinator meets with the Event Management team at the start of the year to discuss Creative Green results and targets for the year
- Sustainability was included on the debrief forms that went out to all suppliers and contractors. Suppliers were asked for feedback to improve efficiency of their businesses. In person debriefs were held with all sustainability partners
- Energy usage is monitored through meter readings and diesel consumption during the festival
- Water consumption is monitored along with waste water volumes. The waste from the 2019 Reading Festival's toilets was used to create local energy
- The environmental data that is gathered after the festival is used to set annual targets for energy, waste, water and audience travel

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	12
Procurement	5	4
Communication and engagement	23	23
Total Points	40	39

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RECOMMENDATIONS

- Sign up for [Season for Change 2021](#), a nationwide festival of artistic work celebrating the environment and inspiring urgent action on climate change
- Continue collaborating with other festivals to increase awareness in the sector and build Festival Republic's leadership role
- Consider creating positive incentives to encourage traders to make improvements on top of existing site audits e.g. green recognition/trader awards
- Continue to explore opportunities for further greening Festival Republic's food and drink offerings, e.g. local caterers, local suppliers for produce, etc.
- Explore more creative ways of engaging audiences through regenerative programming e.g. ask audiences to make pledges, organise clean-up events, tree planting, etc.

ENVIRONMENTAL UNDERSTANDING

ASSESSMENT AREAS	POINTS AVAILABLE	POINTS SCORED
Submission of energy, water, waste, transport, production	4	4
Attitudinal insights	4	4
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	25

HIGHLIGHTS

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RECOMMENDATIONS

- Consider surveying audiences, artists, volunteers and staff outside of the sustainability team in detail each year to collect feedback on new initiatives and campaigns
- Explore the installation of water meters on several feeds to enable comparative analysis of select areas of the festival e.g. high-volume taps and washing up operations
- Increase understanding of waste areas/categories and recycling rates to create a detailed Waste Management Plan to target specific areas of residual waste e.g. food caterers, bars, construction & set, campsite etc.

ENVIRONMENTAL IMPROVEMENT

HIGHLIGHTS

Current year: 2019

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	17 %	36 %	3	0
Energy use related emissions	19 %	21 %	3	0
Water	151 %	30 %	2	0
Waste	10 %	-19 %	2	2
Transport	No data	No data	2	1
Total Points			12	3



RELATIVE	RELATIVE METRIC	CURRENT VS. BASELINE	CURRENT VS. PREVIOUS	POINTS AVAILABLE	POINTS AWARDED
Energy use	per Audience day	-7 %	36 %	5	4
Energy use related emissions	per Audience day	-5 %	21 %	5	5
Water	per Audience day	97 %	30 %	4	3
Waste	per Audience day	-13 %	-19 %	4	4
Transport	per Audience day	No data	No data	4	1
Total Points				22	17



ENVIRONMENTAL IMPROVEMENT RECOMMENDATIONS

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

- Continue to use environmental impact data to set meaningful KPIs
- Consider site-specific energy audits to obtain a tailored plan to identify areas for improvements
- For printed materials, explore the use of recycled, sustainably sourced, un-chlorinated and uncoated paper or card, using water or vegetable-based inks to reduce the use of chemicals. For further information, visit the [Closed Loop Printing Guide](#)
- Consider environmental workshops with traders to help improve current environmental performance
- Continue to explore incentives to encourage the audience to use public transport e.g. discount on a public transport ticket, fast track entry to the event, preferential treatment for camping sites, etc.
- Explore new ways to engage audiences/artists/contractors to help drive down onsite waste e.g. incentives, discounts, educational workshops, partnership with green zero waste products, etc.
- Continue to explore new partnerships with organisations that can provide green solutions to existing areas of environmental impact within the festival e.g. Comp-a-Tent, Kartent, Crackpacs, Keep Britain Tidy, Orca Sound Project, City to Sea, etc.
- Investigate undertaking an ecological impact assessment to better understand species on site and whether any new measures could minimise disturbance to them. Consider adding local wildlife to the sustainability agenda

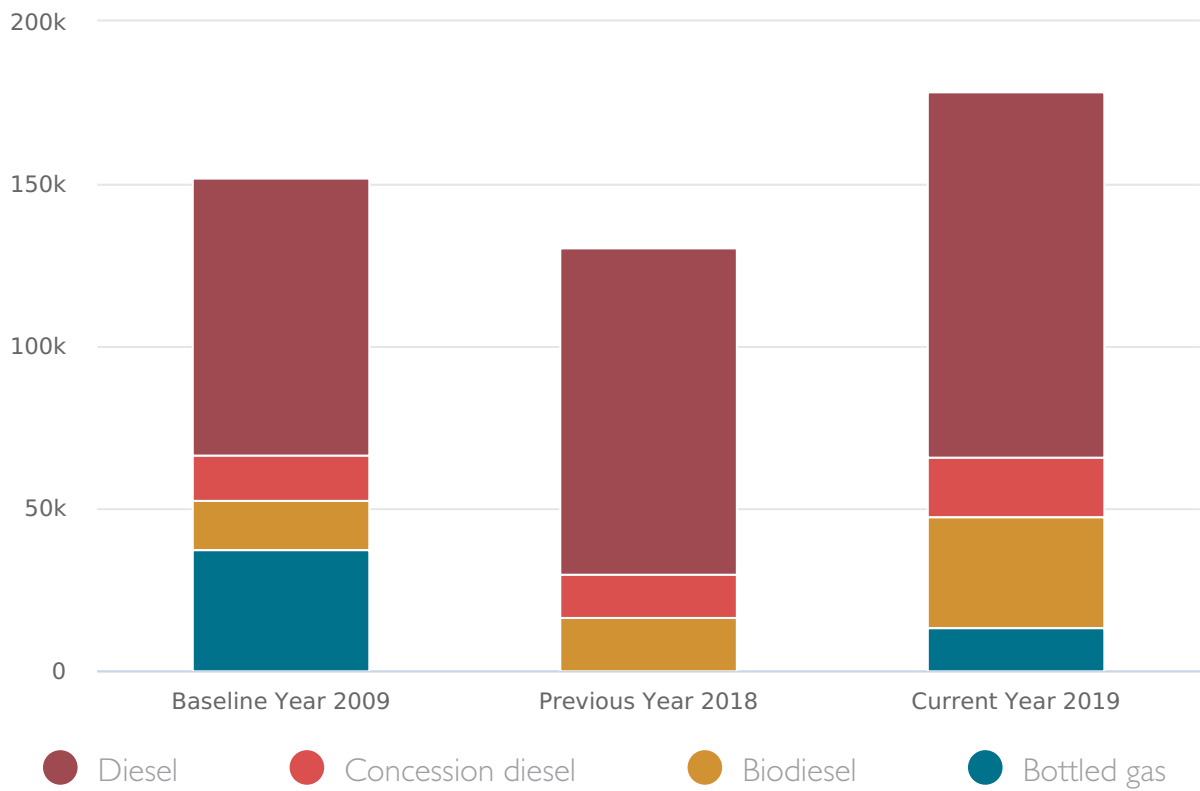
Note: two additional points have been awarded for Reading Festival's commitment to monitoring and reducing business and audience travel.

ENERGY USE

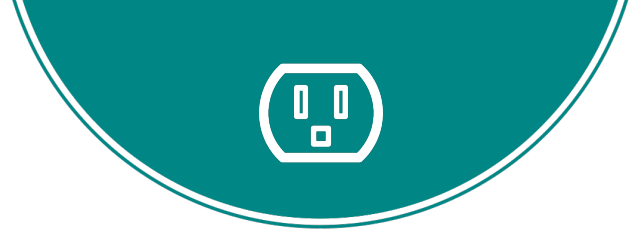


ENERGY USE	UNIT	BASELINE YEAR 2009	PREVIOUS YEAR 2018	CURRENT YEAR 2019	% CHANGE CURRENT VS PREVIOUS	% CHANGE CURRENT VS BASELINE
Energy use (non-mains) -- absolute	litres	151,758	130,097	178,189	36 %	17 %
Energy use (non-mains) -- relative	litres per Audience day	0.6	0.4	0.6	36 %	-7 %
Diesel	litres	85,000	100,034	112,317	12 %	32 %
Concession diesel	litres	14,540	13,542	18,440	36 %	26 %
Biodiesel	litres	15,000	16,521	34,288	107 %	128 %
Bottled gas	litres	37,218	0.0	13,144	No data	-64 %

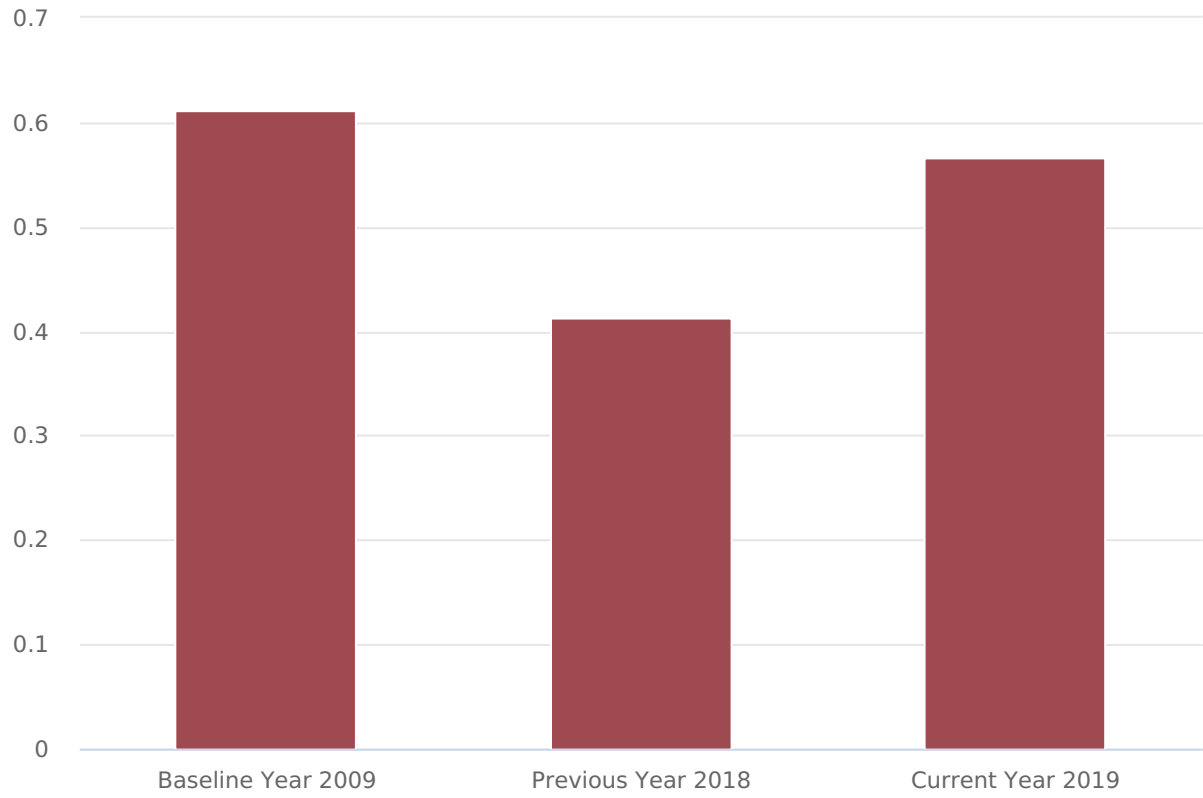
Energy consumption (litres)



ENERGY USE



Energy consumption (litres per audience day)

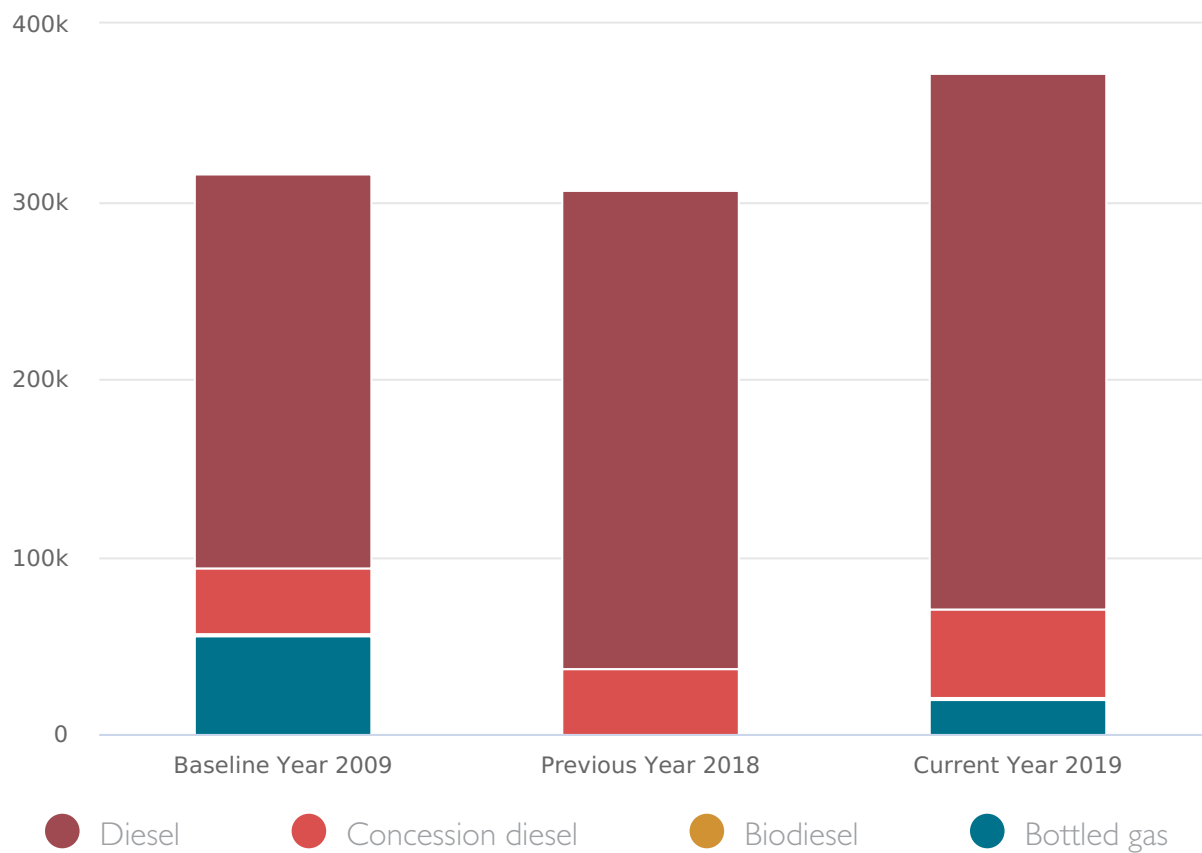




ENERGY USE RELATED EMISSIONS

ENERGY RELATED EMISSIONS	UNIT	BASELINE YEAR 2009	PREVIOUS YEAR 2018	CURRENT YEAR 2019	% CHANGE CURRENT VS PREVIOUS	% CHANGE CURRENT VS BASELINE
Energy use emissions (all sources) - absolute	kg CO2e	317,028	310,907	379,191	21 %	19 %
Energy use emissions (all sources) - relative	kg CO2e per Audience day	1	1.0	1	21 %	-5 %
Diesel	kg CO2e	221,204	268,870	301,792	12 %	36 %
Concession diesel	kg CO2e	37,839	36,398	49,548	36 %	30 %
Biodiesel	kg CO2e	263	572	1,225	114 %	366 %
Bottled gas	kg CO2e	55,911	0.0	20,013	No data	-64 %

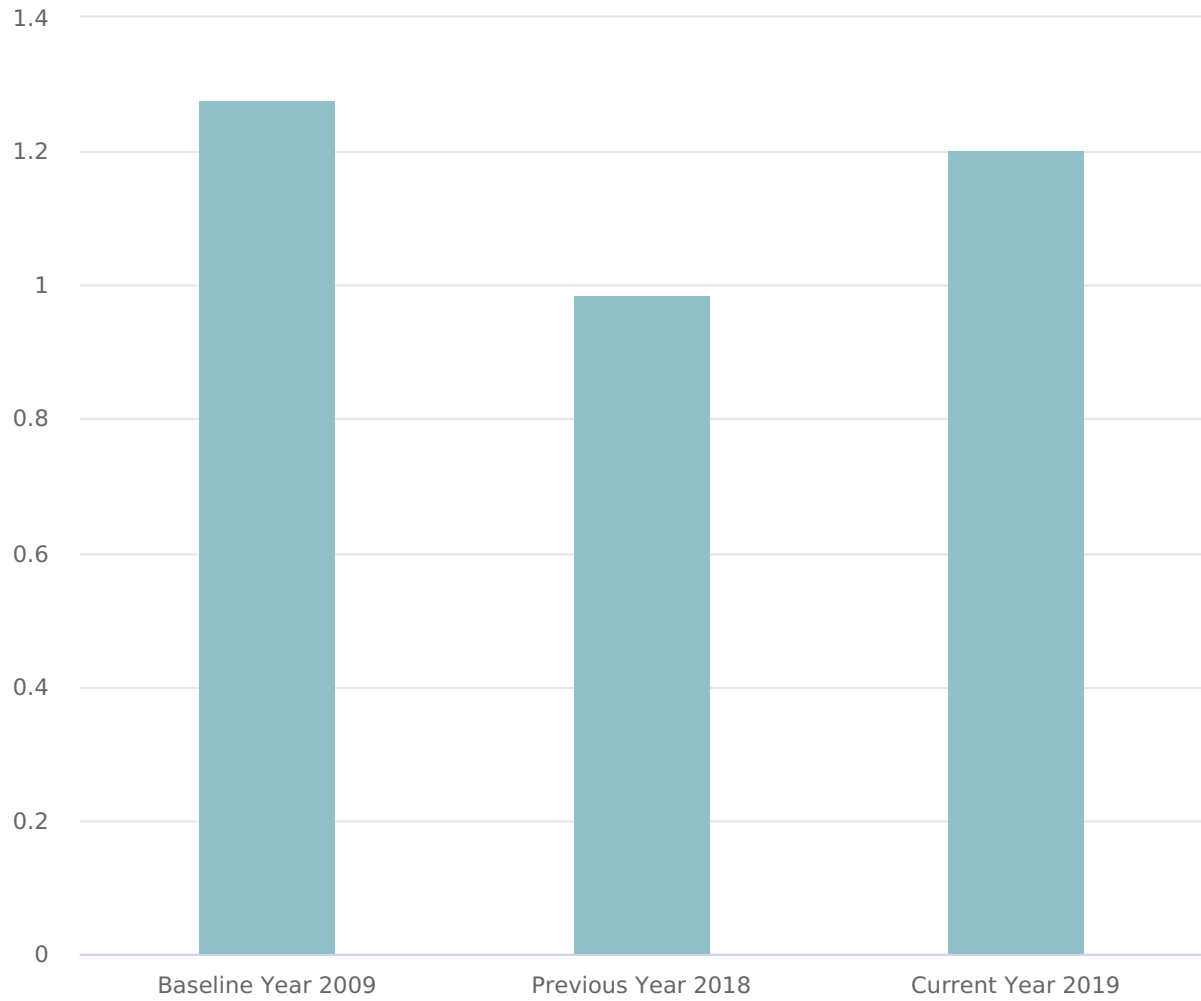
Energy use emissions (kg CO2e)



ENERGY USE RELATED EMISSIONS



Energy use emissions (kg CO₂e per audience day)



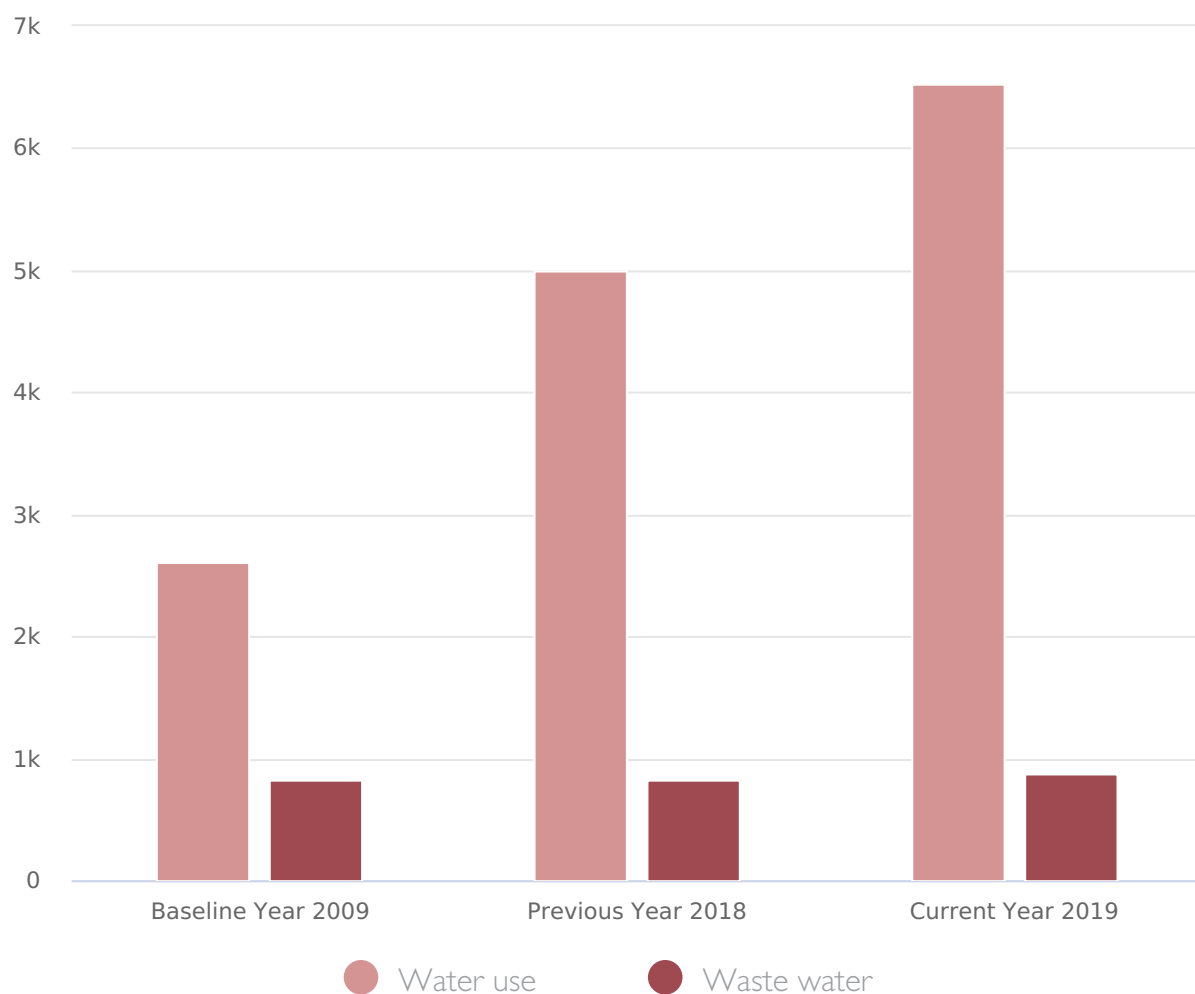


WATER USE

WATER USE	UNIT	BASELINE YEAR 2009	PREVIOUS YEAR 2018	CURRENT YEAR 2019	% CHANGE CURRENT VS PREVIOUS	% CHANGE CURRENT VS BASELINE
Total water use and waste water	m3	2,600	4,994	6,537	30 %	151 %
Relative water use and waste water	litres per Audience day	10	16	21	30 %	97 %
Water use	m3	2,600	4,994	6,537	30 %	151 %
Waste water	m3	1,974	827	873	5 %	-55 %



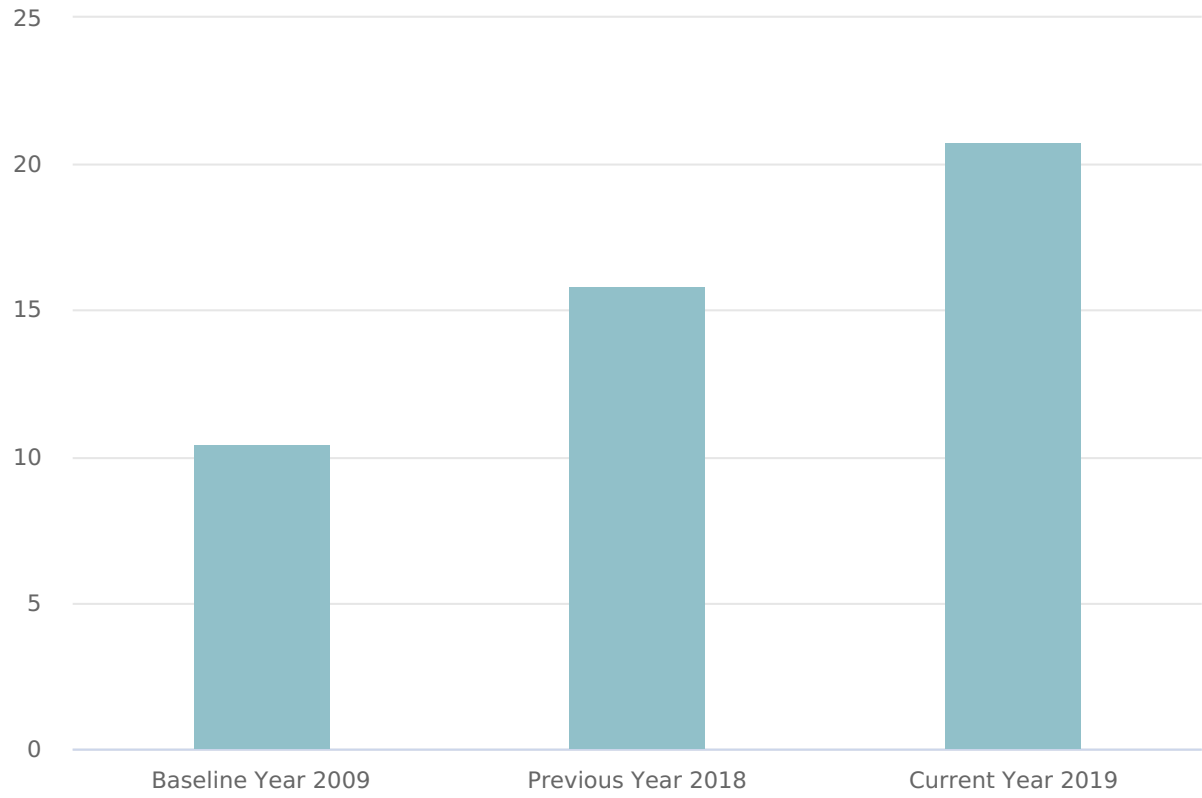
Water use (m3)



WATER USE



Water use (litres per audience day)

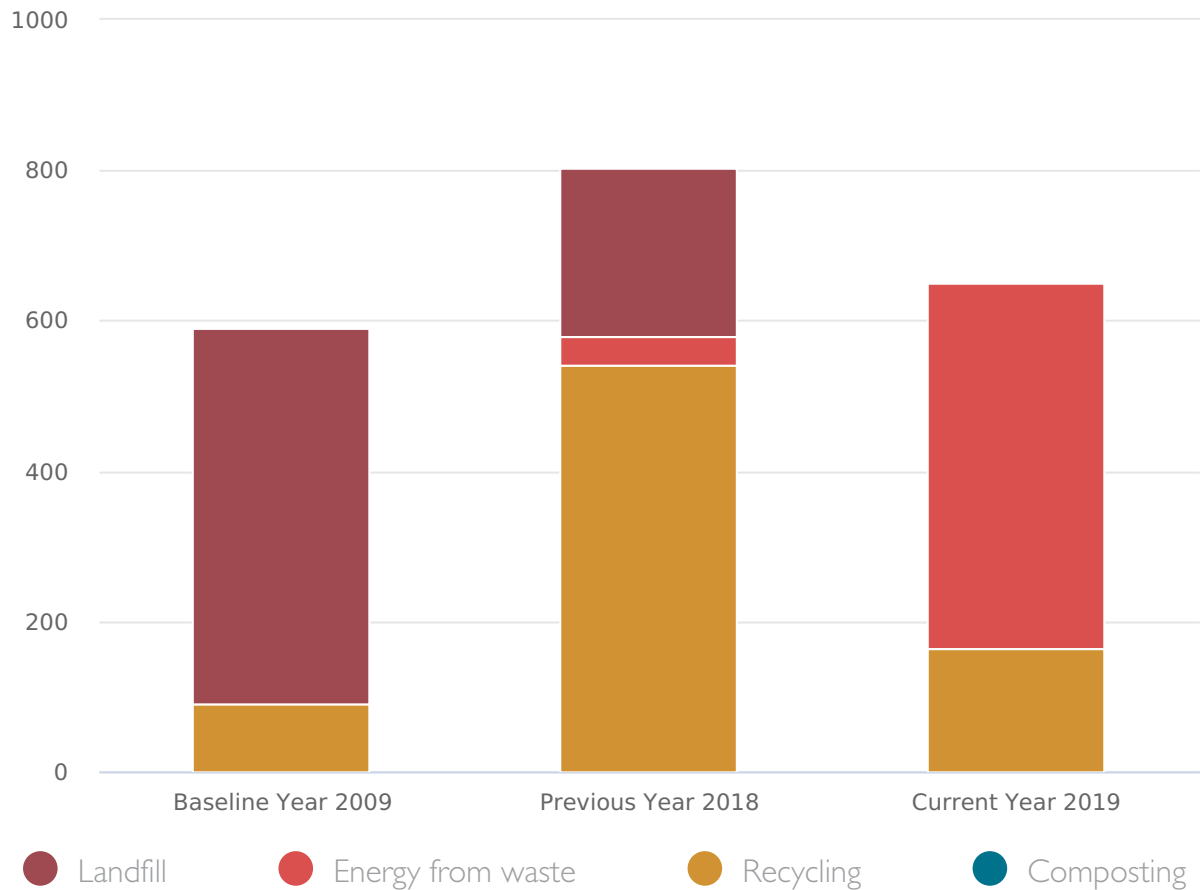


WASTE GENERATION



WASTE	UNIT	BASELINE YEAR 2009	PREVIOUS YEAR 2018	CURRENT YEAR 2019	% CHANGE CURRENT VS PREVIOUS	% CHANGE CURRENT VS BASELINE
Waste generation - absolute	tonnes	590	804	651	-19 %	10 %
Waste generation - relative	kg per Audience day	2	3	2	-19 %	-13 %
Landfill waste	tonnes	500	226	0.0	No data	No data
Energy from waste	tonnes	0.0	37	489	1205 %	No data
Recycling	tonnes	90	541	163	-69 %	80 %
Composting	tonnes	0.0	0.0	0.0	No data	No data

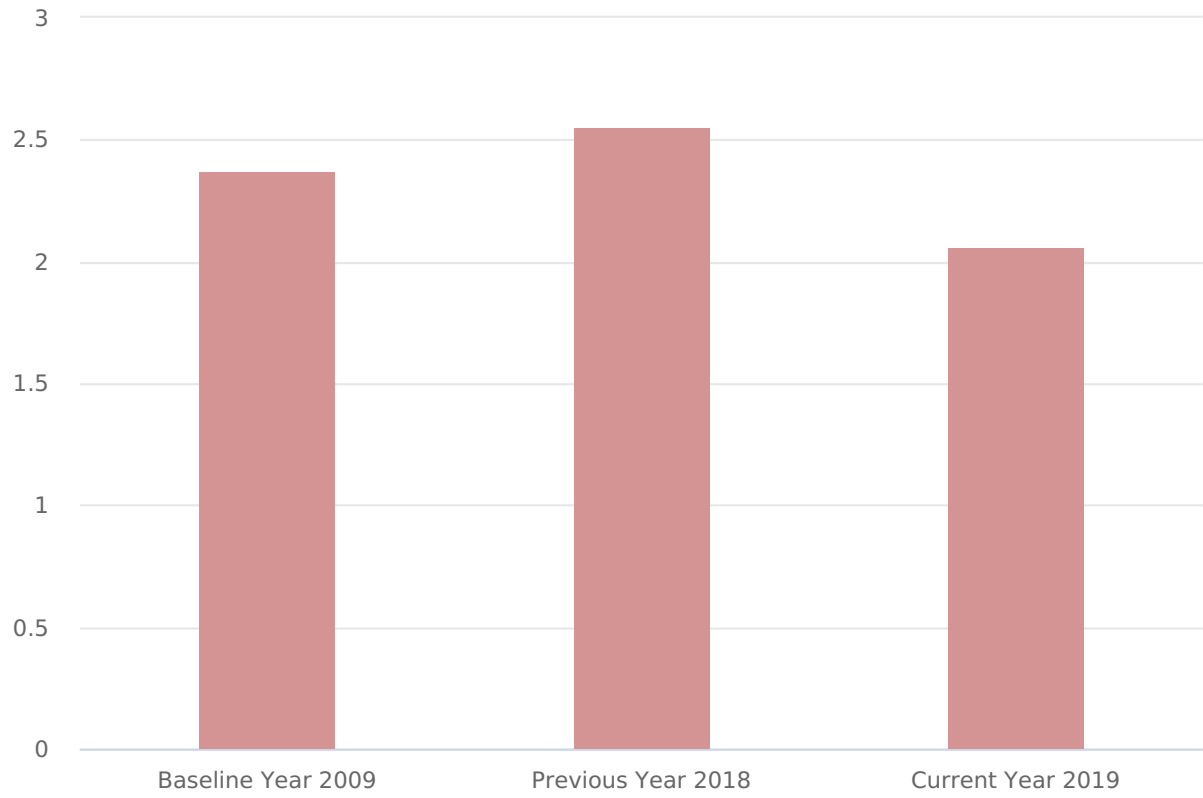
Waste (tonnes)



WASTE GENERATION



Waste (kg per audience day)





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