

Julie's Bicycle

CREATIVE • CLIMATE • ACTION



Creative Green
Certified

Shambala Festival

CREATIVE GREEN REPORT
2019

Shambala Festival
CREATIVE GREEN KEY RESULTS

Environmental assessment of:

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

TOTAL POINTS 89 / 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



energy



emissions



water



waste



travel



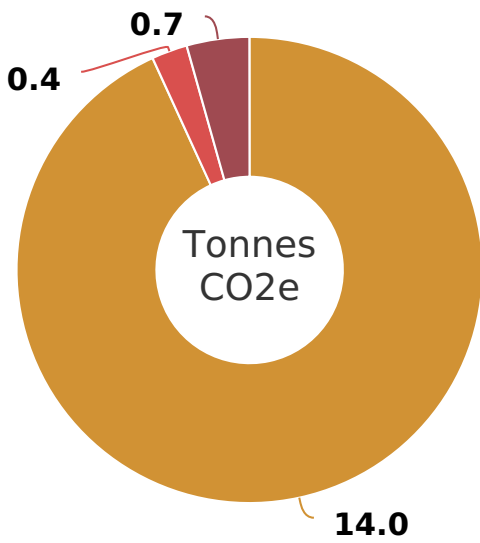
people



IMPROVEMENT towards reducing environmental impacts

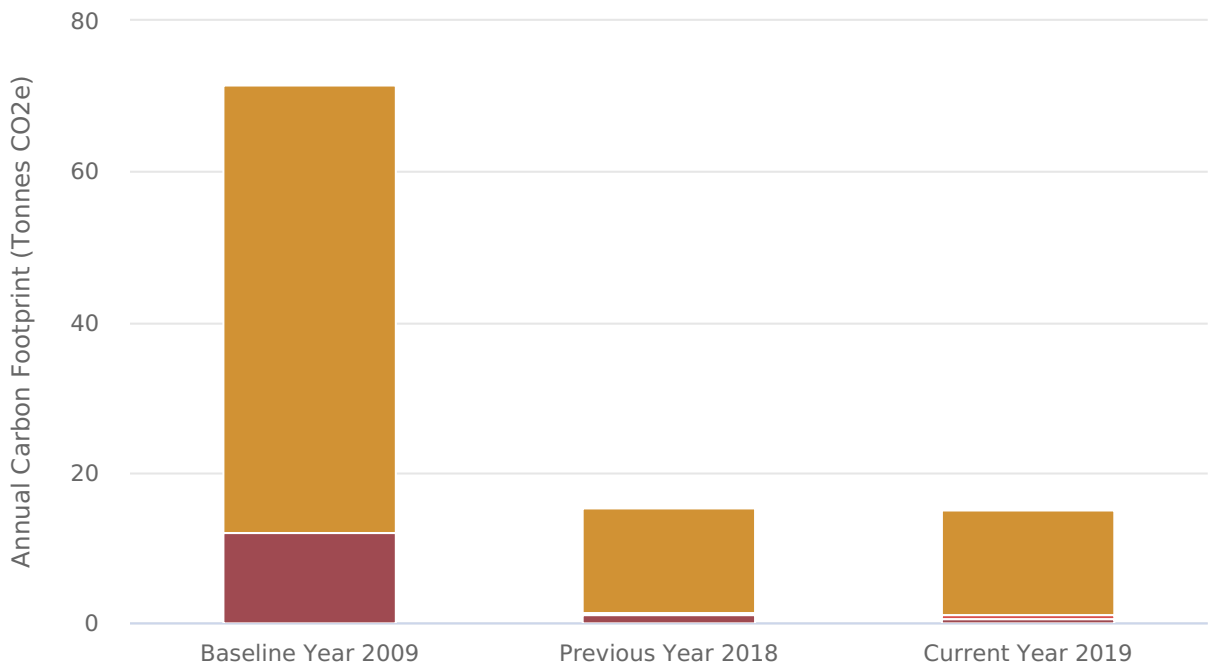
RELATIVE REDUCTION	ENERGY	EMISSIONS	WATER	WASTE
Current vs previous year	↓	↓	↑	↓
Current vs baseline year	↓	↓	↓	↓

SHAMBALA FESTIVAL	STATISTICS
Type	Festival/Event
Festival size	medium
Visitors/Tickets/Attendees	15,300
Number of stages	27
Number of artists	



The total carbon footprint in 2019 was 15 Tonnes CO2e

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



HIGHLIGHTS



COMMITMENT to the environment

- Shambala have declared an ecological and climate emergency
- Commitment to be 'net-positive', actively minimising the festival's negative environmental impacts while maximising the positive
- Onsite, Shambala is powered by 100% renewable energy and certified HVO fuels, with Kambe's offices also powered by green energy
- Shambala require statements on sustainability in all tenders, with core contracts having sustainability built into KPIs such as energy reductions with financial incentives
- Inspirational Trader Awards provide an opportunity to review and reward trader's green standards, including energy efficiency and waste disposal
- "Gone off Milk" campaign was launched discouraging audiences from consuming dairy, promoting a range of more sustainable alternatives
- Extinction was a theme this year, with Extinction Rebellion given space within the festival to talk and engage with audiences
- Excellent website communications materials detailing Shambala's commitment and actions across green energy, waste & recycling, food & drink, travel & transport etc.

UNDERSTANDING of the following environmental impacts

- Five-year plan in development to reduce overall emissions, food miles and travel miles
- In depth understanding of onsite energy displayed e.g. daily, weekly and monthly energy use monitoring and analysis, generator sizing and capacity scoping, trader / concession energy use monitoring and review etc.
- Waste team work closely with the contractor and traders to identify high waste areas and how to make further reductions
- One Planet Plate initiative run in 2019 encouraging food traders to offer low carbon meals and engage audiences
- Monitoring in place for miles from all alcohol sold to encourage drinks made within a hundred-mile radius
- "Big Debate" survey collects insights from audiences about onsite green initiatives
- Debriefs from stewards' team, site crew and contractors help share learnings and improve festival's approach and make further impact reductions

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	5
Communication and engagement	23	23
Total Points	40	40

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RECOMMENDATIONS

- Consider how Shambala 2020 can showcase further creativity and engage audiences in the build up to COP26 in Glasgow
- Encourage more traders to follow the One Planet Plate Initiative giving audiences a greater variety of low carbon meals to choose from
- Utilize the findings from Shambala's work with Carbon Cloud to educate audiences on less known high carbon food items e.g. include average carbon impact of meals/ingredients on food & drink signage
- Encourage audiences to engage with Shambala's climate emergency declaration during the 2020 festival and beyond e.g. ask audiences to make pledges; organise clean-up events; tree planting etc.
- Sign up for [Season for Change 2020](#), a nationwide festival of artistic work celebrating the environment and inspiring urgent action on climate change

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

- Review the audience response to the "Gone off Dairy" campaign and assess whether new dairy alternatives could be introduced in 2020 beyond milk.
- Develop the app created for the One Planet Plate Initiative to provide broader information on the sustainability credentials/products of onsite traders to empower greater decision making amongst audiences
- Ask suppliers/production designers to use hired, borrowed, reclaimed or recycled materials and to report on their reuse/recycling, material sourcing and waste disposal
- Specify the use of energy-efficient equipment e.g. LEDs, tungsten rather than discharge lights, active PAs, low wattage amps

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	-6 %	-9 %	3	3
Energy use related emissions	-74 %	-2 %	3	1
Water	45 %	0 %	2	1
Waste	-37 %	-37 %	2	2
Transport	No data	No data	2	2
Total Points			12	9

RELATIVE	RELATIVE METRIC	CURRENT VS. BASELINE	CURRENT VS. PREVIOUS	POINTS AVAILABLE	POINTS AWARDED
Energy use	per Audience day	-50 %	-9 %	5	4
Energy use related emissions	per Audience day	-86 %	-3 %	5	3
Water	per Audience day	-22 %	0 %	4	1
Waste	per Audience day	-66 %	-38 %	4	4
Transport	per Audience day	No data	No data	4	2
Total Points				22	14



ENVIRONMENTAL IMPROVEMENT RECOMMENDATIONS

Highlights

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

- Non-mains energy use per audience day decreased 4% between 2018 and 2019 decreasing 46% since 2009
- Energy use emissions per audience day has decreased 86% since 2009.
- Waste per audience day decreased 38% between 2018 and 2019.
- Audience travel related emissions per audience decreased 7% between 2018 and 2019 decreasing 12% since 2009 (see Appendix 3)
- 12,000 cups were captured from dedicated bins in 2019 - an increase of over 50% from 2018.

Next Steps

- Increase Shambala's onsite renewable generation to reduce temporary power e.g. wind/solar/fuel cells etc.
- Continue to look for energy efficiency improvement opportunities on the production side e.g. LED stage lighting across the main stages
- Ensure that Shambala's non-food traders are engaged on their sustainability practices and that initiatives in place for food traders are carried over e.g. sustainability credentials, pay-per-use etc.
- Continue to work to reduce single-use and disposable items on sale or brought to the festival via audiences
- For printed materials, specify 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
- Aim to balance all travel miles at Shambala through Energy Revolution or other recognised offsetting schemes

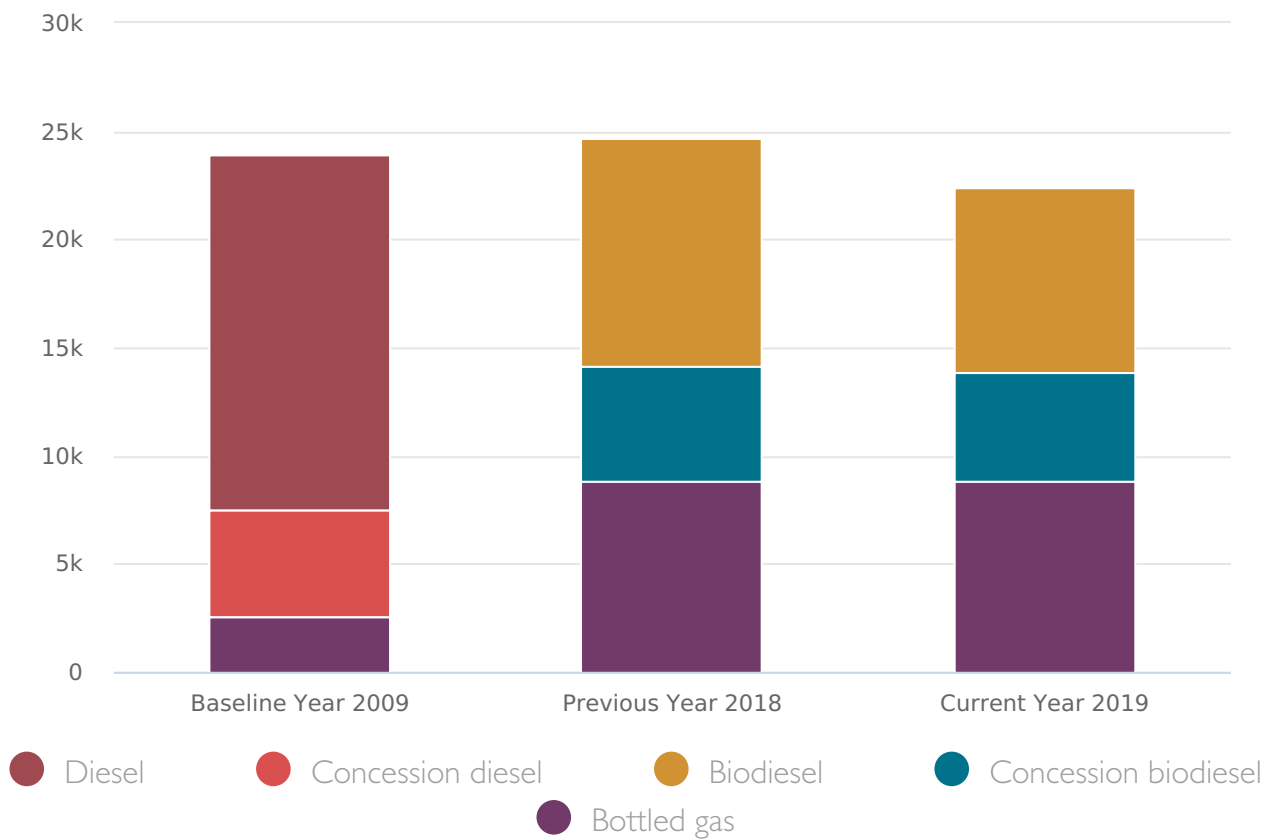
Note: two additional points have been awarded for absolute and relative reductions in audience travel related emissions (see Appendix 3).



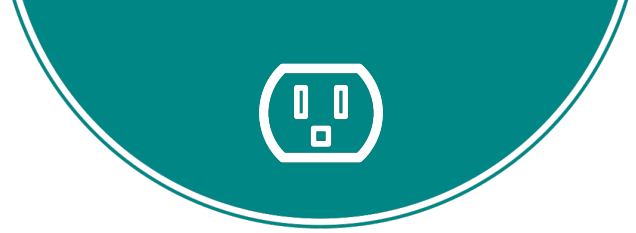
ENERGY USE

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	23,904	24,695	22,450	-9 %	-6 %
Energy use (non-mains) -- relative	litres per Audience day	0.7	0.4	0.4	-9 %	-50 %
Diesel	litres	16,385	0.0	0.0	No data	No data
Concession diesel	litres	5,000	0.0	0.0	No data	No data
Biodiesel	litres	0.0	10,563	8,568	-18 %	No data
Concession biodiesel	litres	0.0	5,281	5,032	-4 %	No data
Bottled gas	litres	2,519	8,851	8,850	0 %	251 %

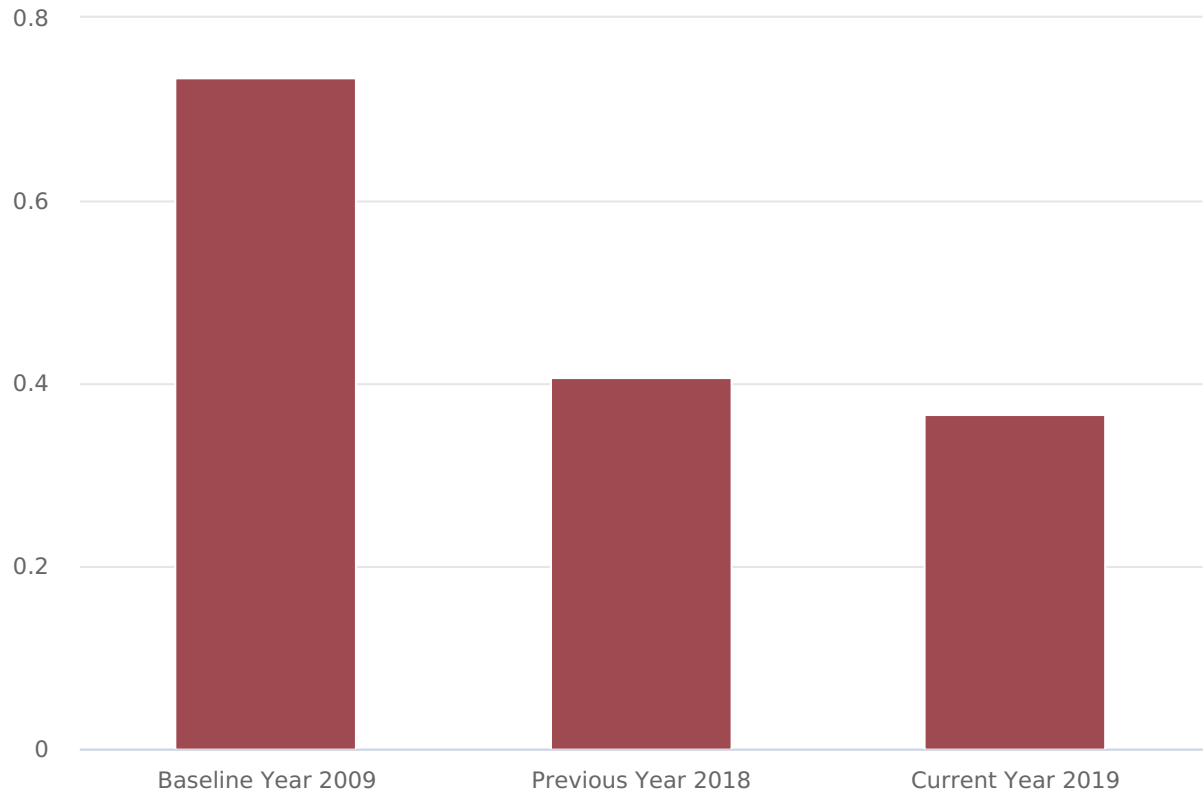
Energy consumption (litres)



ENERGY USE



Energy consumption (litres per audience day)

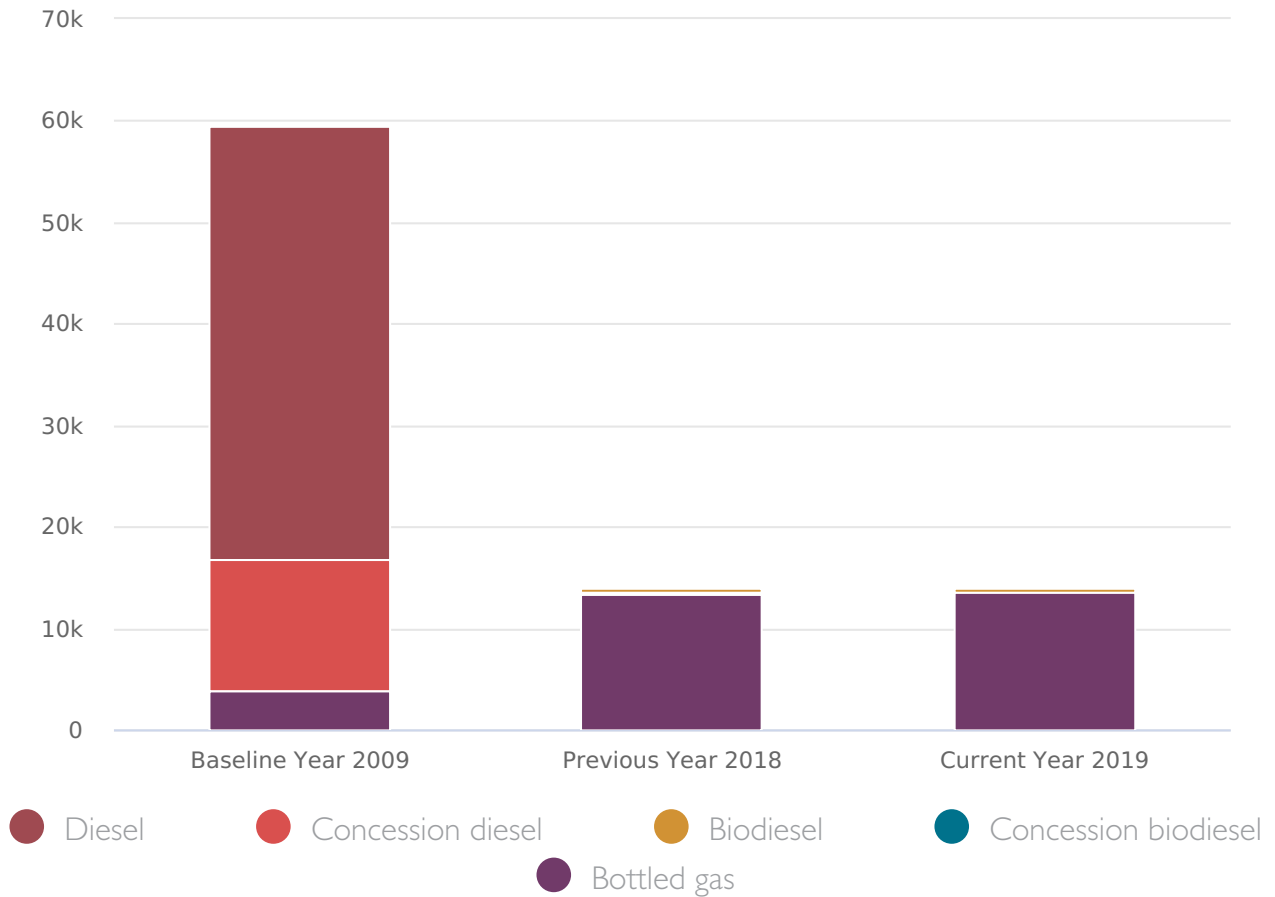




ENERGY USE RELATED EMISSIONS

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	59,436	15,796	15,422	-2 %	-74 %
Energy use emissions (all sources) - relative	kg CO2e per Audience day	2	0.3	0.3	-3 %	-86 %
Diesel	kg CO2e	42,640	0.0	0.0	No data	No data
Concession diesel	kg CO2e	13,012	0.0	0.0	No data	No data
Biodiesel	kg CO2e	0.0	365	306	-16 %	No data
Concession biodiesel	kg CO2e	0.0	183	180	-1 %	No data
Bottled gas	kg CO2e	3,784	13,445	13,475	0 %	256 %

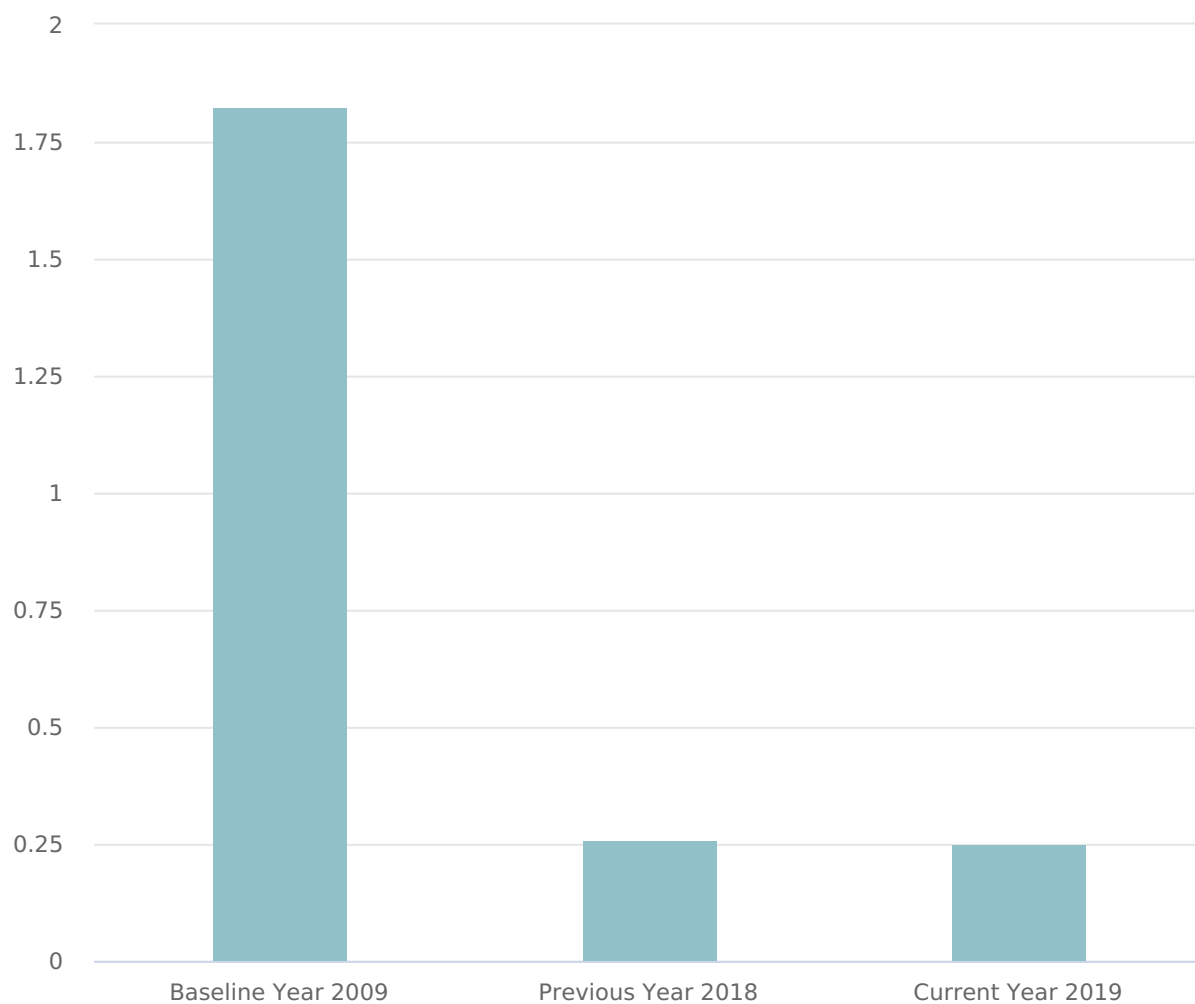
Energy use emissions (kg CO2e)





ENERGY USE RELATED EMISSIONS

Energy use emissions (kg CO₂e per audience day)



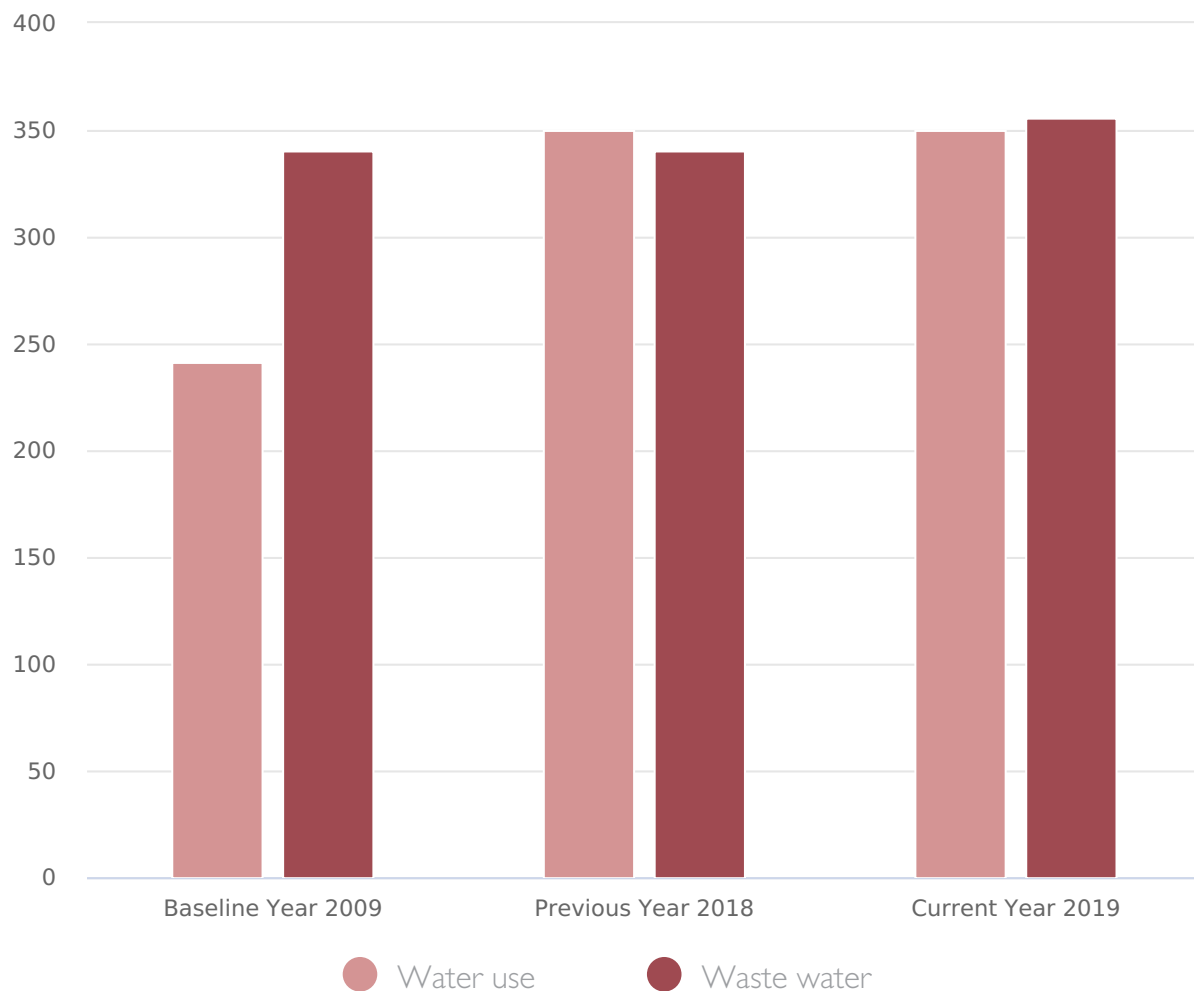


WATER USE

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	241	350	350	0 %	45 %
Relative water use and waste water	litres per Audience day	7	6	6	0 %	-22 %
Water use	m3	241	350	350	0 %	45 %
Waste water	m3	0.0	340	356	4 %	No data



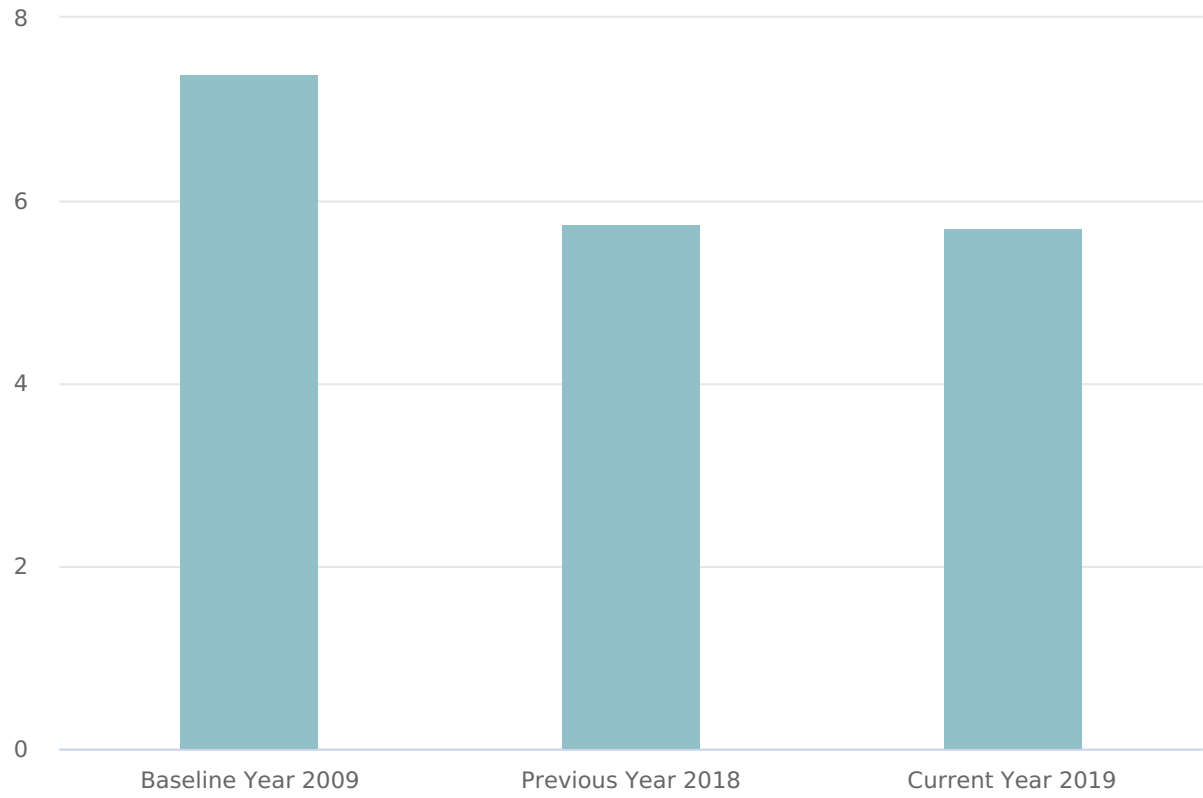
Water use (m3)



WATER USE



Water use (litres per audience day)



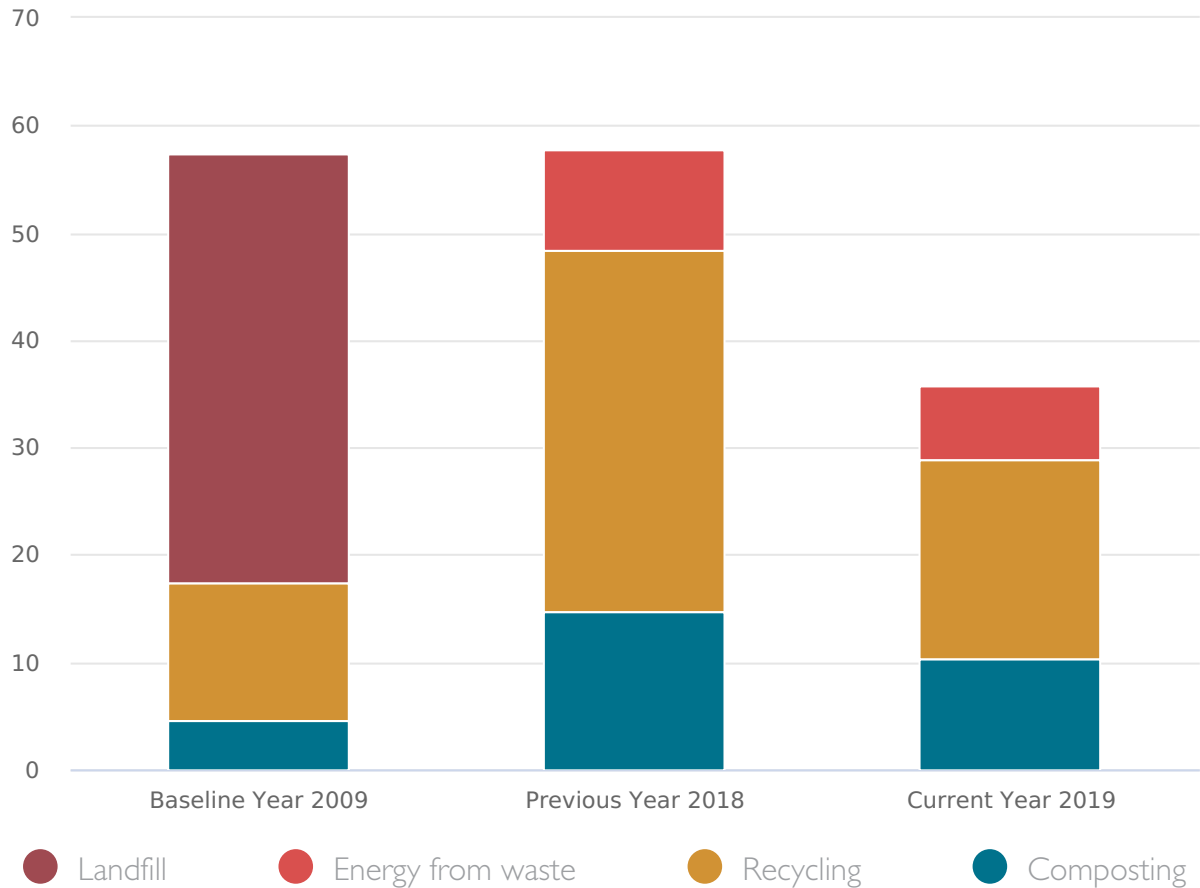


WASTE GENERATION

WASTE	UNIT	BASELINE YEAR 2009	PREVIOUS YEAR 2018	CURRENT YEAR 2019	% CHANGE CURRENT VS PREVIOUS	% CHANGE CURRENT VS BASELINE
Waste generation - absolute	tonnes	57	58	36	-37 %	-37 %
Waste generation - relative	kg per Audience day	2	1.0	0.6	-38 %	-66 %
Landfill waste	tonnes	40	0.0	0.0	No data	No data
Energy from waste	tonnes	0.0	9	7	-26 %	No data
Recycling	tonnes	13	34	19	-44 %	45 %
Composting	tonnes	5	15	10	-29 %	128 %



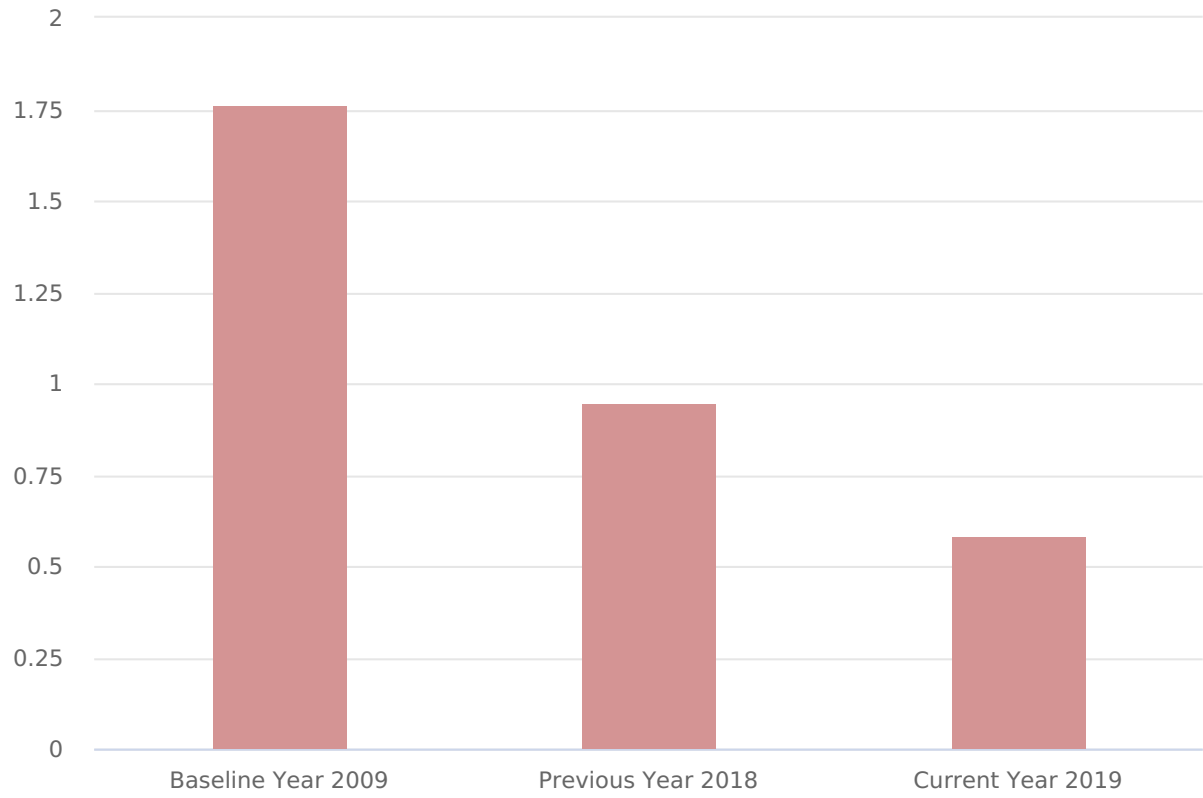
Waste (tonnes)



WASTE GENERATION



Waste (kg per audience day)





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