



CREATIVE



Leeds Festival

CREATIVE GREEN REPORT  
2017

2017

# Leeds Festival

## CREATIVE GREEN KEY RESULTS

### Environmental assessment of:

COMMITMENT	28 / 40
UNDERSTANDING	23 / 25
IMPROVEMENT	19 / 35

TOTAL POINTS 70 / 100



### COMMITMENT to the environment

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



### UNDERSTANDING of the following environmental impacts



energy



emissions



water



waste



travel



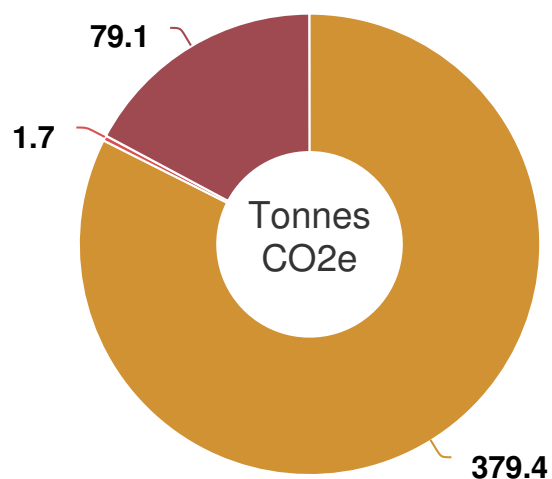
people



### IMPROVEMENT towards reducing environmental impacts

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

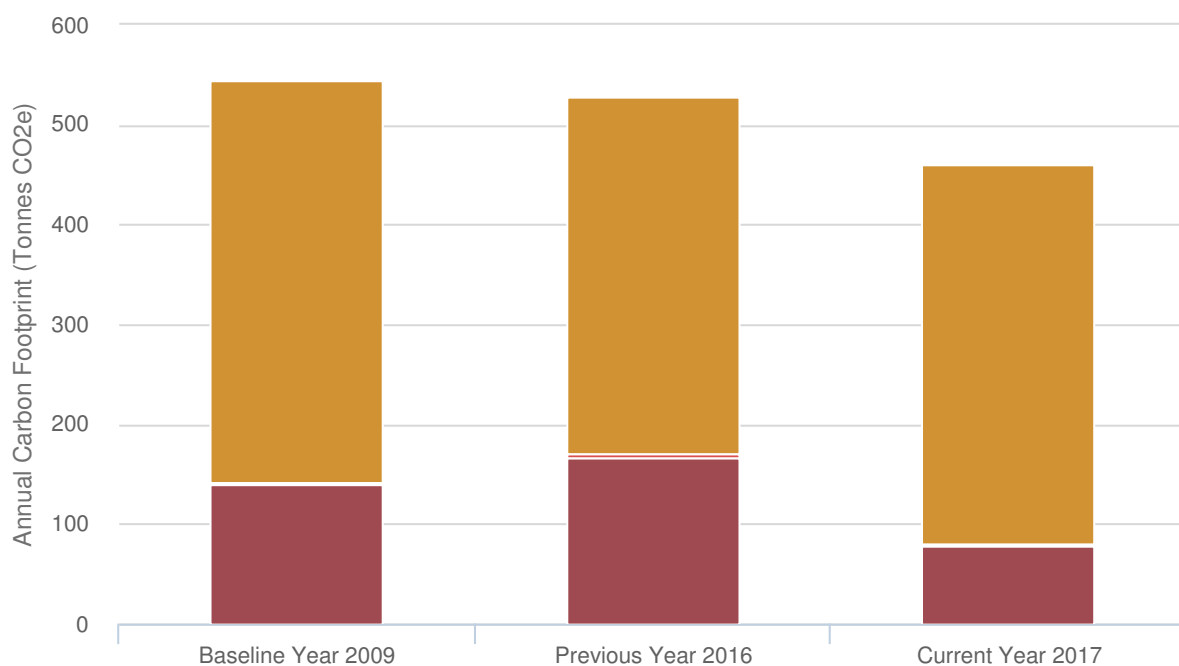
LEEDS FESTIVAL		STATISTICS
Type	Festival/Event	
Festival size	major	
Visitors/Tickets/Attendees	89,999	
Number of stages	11	
Number of artists	434	



The total carbon footprint in 2017 was 460 Tonnes CO2e

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

Note: All figures are rounded



# HIGHLIGHTS

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## COMMITMENT to the environment

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- Festival Republic continues to take a leading role on sustainability within the events community winning 'Best Creative Group' at the 2017 Creative Green Awards.
- Festival Republic has a dedicated sustainability department, an extensive environmental policy and is a member of the Powerful Thinking steering group.
- Furthermore, Leeds Festival has signed the Vision Festival 2025 pledge to aim to achieve a 50% reduction in festival-related annual GHG emissions by 2025.
- Strong display of due diligence on sourcing of biofuels after proposed HVO biofuel was scrutinised and changed to WVO due to uncertainties surrounding the fuels impact on deforestation in Sumatra.
- Environmental clauses included in all supplier contracts and food waste and diesel reduction targets set, with main contractors required to submit data.
- Continued strong engagement with audiences on sustainability e.g. working with Liftshare to promote car sharing, incentives to travel by coach including free ticket competitions, green section in the programme and local community involvement on the green team with Everything Is Possible.
- Partnerships with Huhtamaki, Simply Cups and Greenpeace on a cup and bottle deposit return scheme.

## UNDERSTANDING of the following environmental impacts

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- In-depth understanding of Leeds Festival's key environmental impacts over the past 9 years with data used to set annual targets for energy, water, waste and audience travel.
- Leeds power supplier has invested in LED Tower lights for those at the end of their life with currently 1000 out of 5000 machines 100% LED Festoon.
- Monitoring of diesel use for generators, concessions and vehicles with data collection for number, size and telemetry of generators across the site.
- Monitoring of audience, production and staff travel through the IG Tools.
- All main contractors are contractually obliged to submit their mileage. Festival Republic office staff use a travel management tool to record their travel.
- Attitudinal insights gained internally and externally through sustainability debriefs, a dedicated sustainability questionnaire for audiences and through debrief forms for suppliers.



## 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	7
Procurement	5	4
Communication and engagement	23	17
Total Points	40	28

## HIGHLIGHTS

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## RECOMMENDATIONS

- Align with the Paris Agreement and the Sustainable Development Goals (SDGs) in Festival Republic's environmental policy.
- Continue undertaking due diligence on sourcing of biofuel, to ensure this is from sustainable sources, and continue to explore alternative power sourcing options.
- In line with the Vision 2025 pledge, investigate further off-grid power generation onsite to learn and help support companies innovating in this space.
- Build on success of single use bottles and cup deposit schemes and continue to enforce trader single-use plastic ban.
- Ensure all volunteers and employees on site have access to training on relevant sustainability policy, recycling schemes and creative content onsite
- Engage more with incoming artists to Leeds Festival on sustainability.
- Commission/programme more creative content based around environmental themes and contribute to [Season for Change 2018](#).

## 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	7
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	23

## HIGHLIGHTS

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## RECOMMENDATIONS

- Continue to use impact data to set meaningful KPIs for each key environmental impact.
- Analyse energy use data from generators and use the data to improve energy efficiency performance in 2018.
- Continue to set reduction targets individually for suppliers and offer incentives for best practice e.g. best trader award.
- Explore the possibility of monitoring a selection of individual traders for their energy use to trial a pay per use system.
- Continue to use the IG Tools to monitor production travel.
- Investigate systems for monitoring food waste, exploring the possibility of undertaking a waste audit to help develop food waste strategy.



## ENVIRONMENTAL IMPROVEMENT

## HIGHLIGHTS

Current year: 2017

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	-4 %	8 %	3	0
Energy use related emissions	-5 %	5 %	3	0
Water	-11 %	-49 %	2	1
Waste	-28 %	-36 %	2	2
Transport	No data	No data	2	2
Total Points			12	5

RELATIVE	RELATIVE METRIC	CURRENT VS. BASELINE	CURRENT VS. PREVIOUS	POINTS AVAILABLE	POINTS AWARDED
Energy use	per Audience day	-30 %	-3 %	5	3
Energy use related emissions	per Audience day	-31 %	-5 %	5	4
Water	per Audience day	-36 %	-55 %	4	2
Waste	per Audience day	-48 %	-43 %	4	4
Transport	per Audience day	No data	No data	4	0
Total Points				22	13



## ENVIRONMENTAL IMPROVEMENT

### RECOMMENDATIONS

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#### Total Carbon Footprint

The functionality of the online report currently excludes transport figures from the final footprint:

- Energy: 379.4 tonnes CO<sub>2</sub>e
- Water: 1.7 tonnes CO<sub>2</sub>e
- Waste: 79.1 tonnes CO<sub>2</sub>e
- Transport (production & audience travel): 2250.2 tonnes CO<sub>2</sub>e
- **Total footprint: 2710.4 tonnes CO<sub>2</sub>e**

*Note: water figures for 2017 relate only to tankered water use as mains not currently available.*

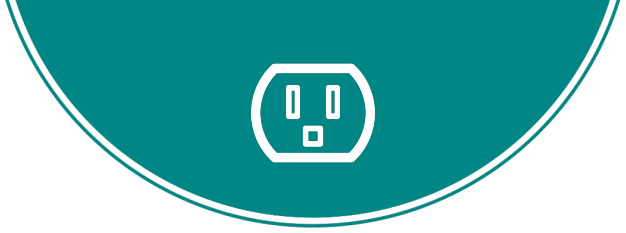
#### Achievements

- Energy use per audience day decreased by 3% between 2016 and 2017. Furthermore, since 2009 energy use and energy use related emissions per audience day have decreased by 30% and 31% respectively.
- Waste decreased by 36% between 2016 and 2017 with waste per audience day down 43%.

#### Next Steps

- Consider switching to a 100% renewable energy supplier in all Festival Republic offices.
- Optimise efficiencies in onsite generators, ensuring data on generator size and location is being utilized to optimum results.
- Display commitment to Vision 2025 pledge through sourcing alternative fuels, continuing policy of LED replacement for lights & technology and through demand side policies.
- Aim to reduce waste to landfill and build further on Bottle and Paper Cup Deposit schemes.
- Further investigate carbon offsetting schemes for those audiences' members travelling by car.

*Note: two additional points have been awarded for Leeds's commitment to monitoring, reducing and offsetting both business and audience travel.*

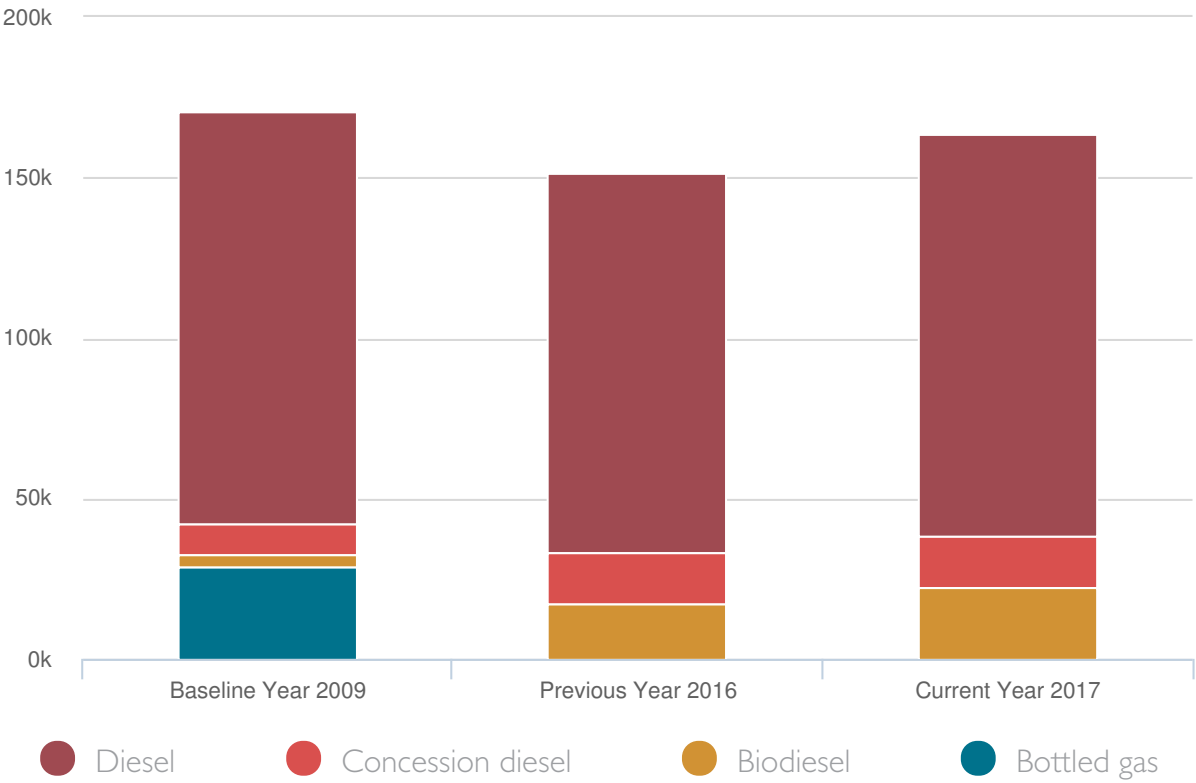


# ENERGY USE

ENERGY USE	UNIT	BASELINE YEAR 2009	PREVIOUS YEAR 2016	CURRENT YEAR 2017	% CHANGE CURRENT VS PREVIOUS	% CHANGE CURRENT VS BASELINE
Energy use (non-mains) -- absolute	litres	170,837	151,299	163,712	8 %	-4 %
Energy use (non-mains) -- relative	litres per Audience day	0.9	0.6	0.6	-3 %	-30 %
Diesel	litres	128,436	117,804	125,353	6 %	-2 %
Concession diesel	litres	9,667	15,995	16,236	1 %	67 %
Biodiesel	litres	4,225	17,500	22,123	26 %	423 %
Bottled gas	litres	28,509	0.0	0.0	No data	No data



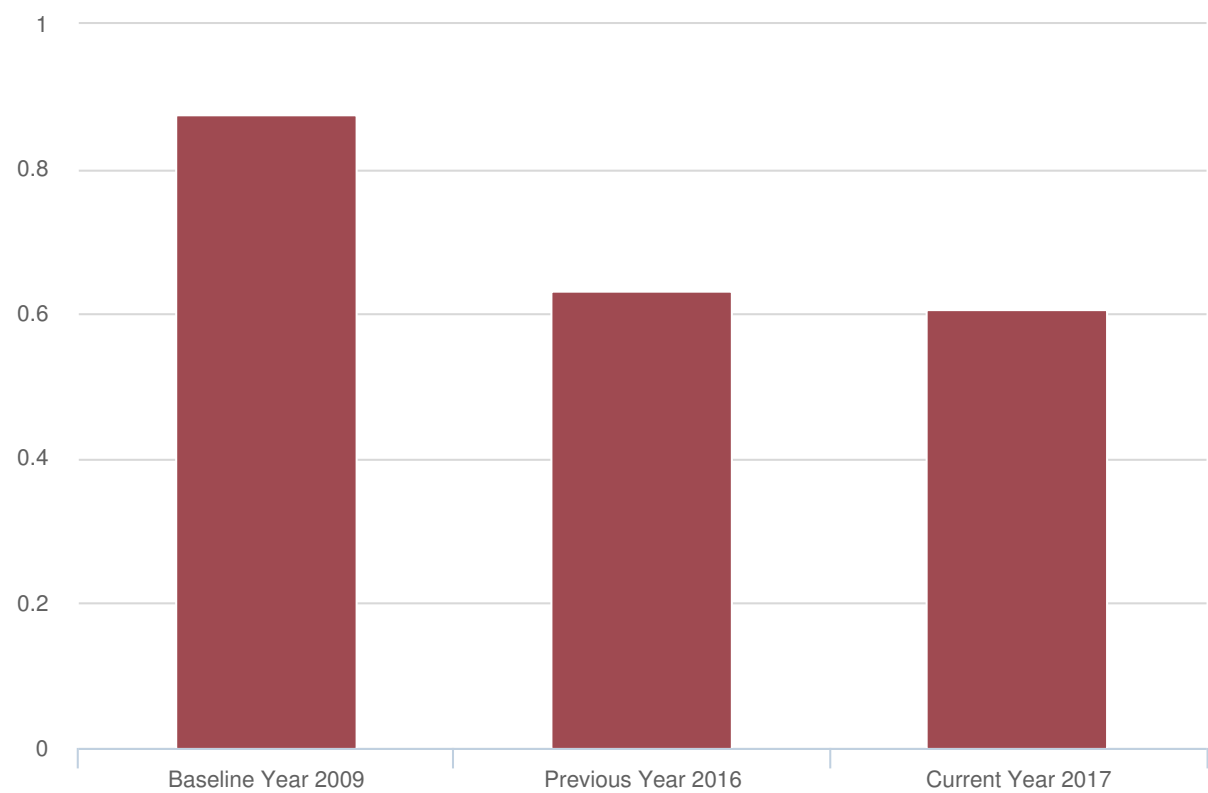
Energy consumption (litres)





# ENERGY USE

Energy consumption (litres per audience day)



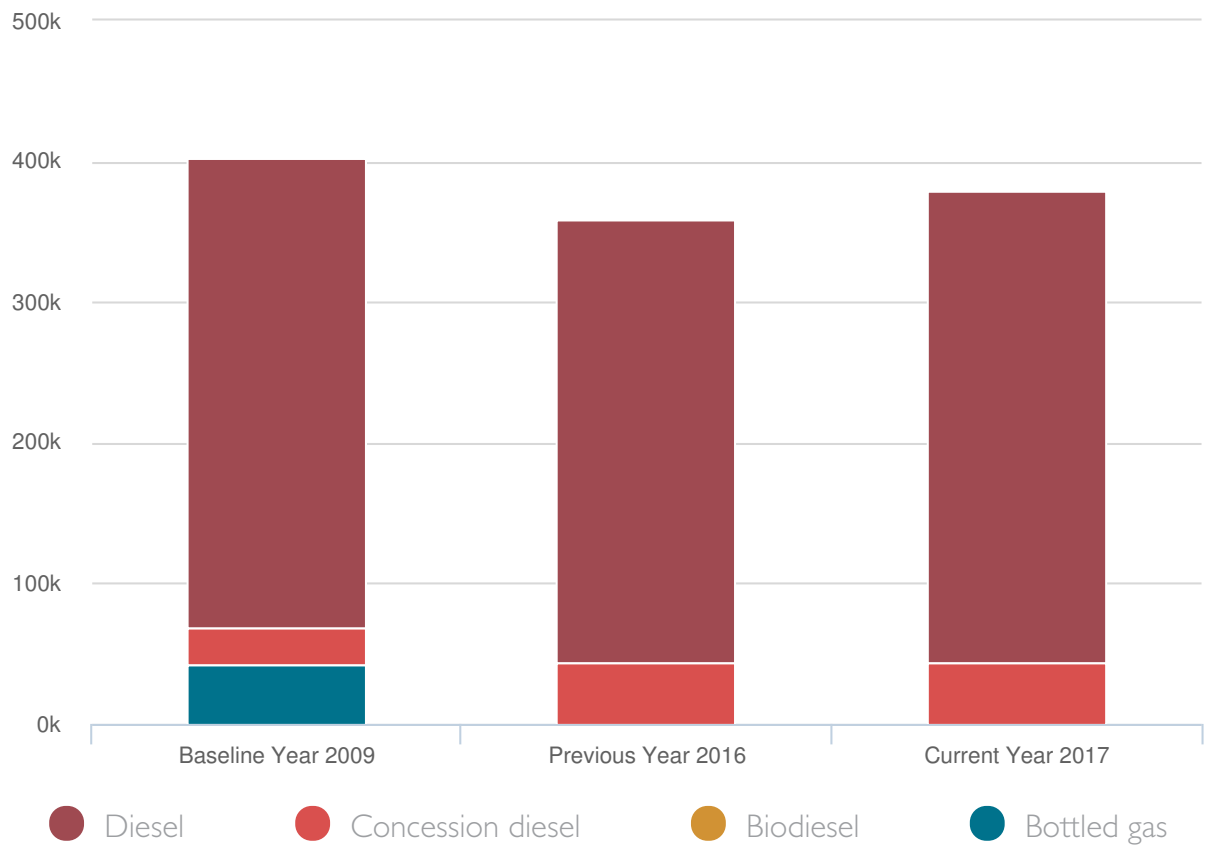




# ENERGY USE RELATED EMISSIONS

ENERGY RELATED EMISSIONS	UNIT	BASELINE YEAR 2009	PREVIOUS YEAR 2016	CURRENT YEAR 2017	% CHANGE CURRENT VS PREVIOUS	% CHANGE CURRENT VS BASELINE
Energy use emissions (all sources) - absolute	kg CO2e	402,301	358,419	379,358	5 %	-5 %
Energy use emissions (all sources) - relative	kg CO2e per Audience day	2	1	1	-5 %	-31 %
Diesel	kg CO2e	334,242	315,267	335,470	6 %	0 %
Concession diesel	kg CO2e	25,157	42,806	43,451	1 %	72 %
Biodiesel	kg CO2e	74	346	437	26 %	491 %
Bottled gas	kg CO2e	42,828	0.0	0.0	No data	No data

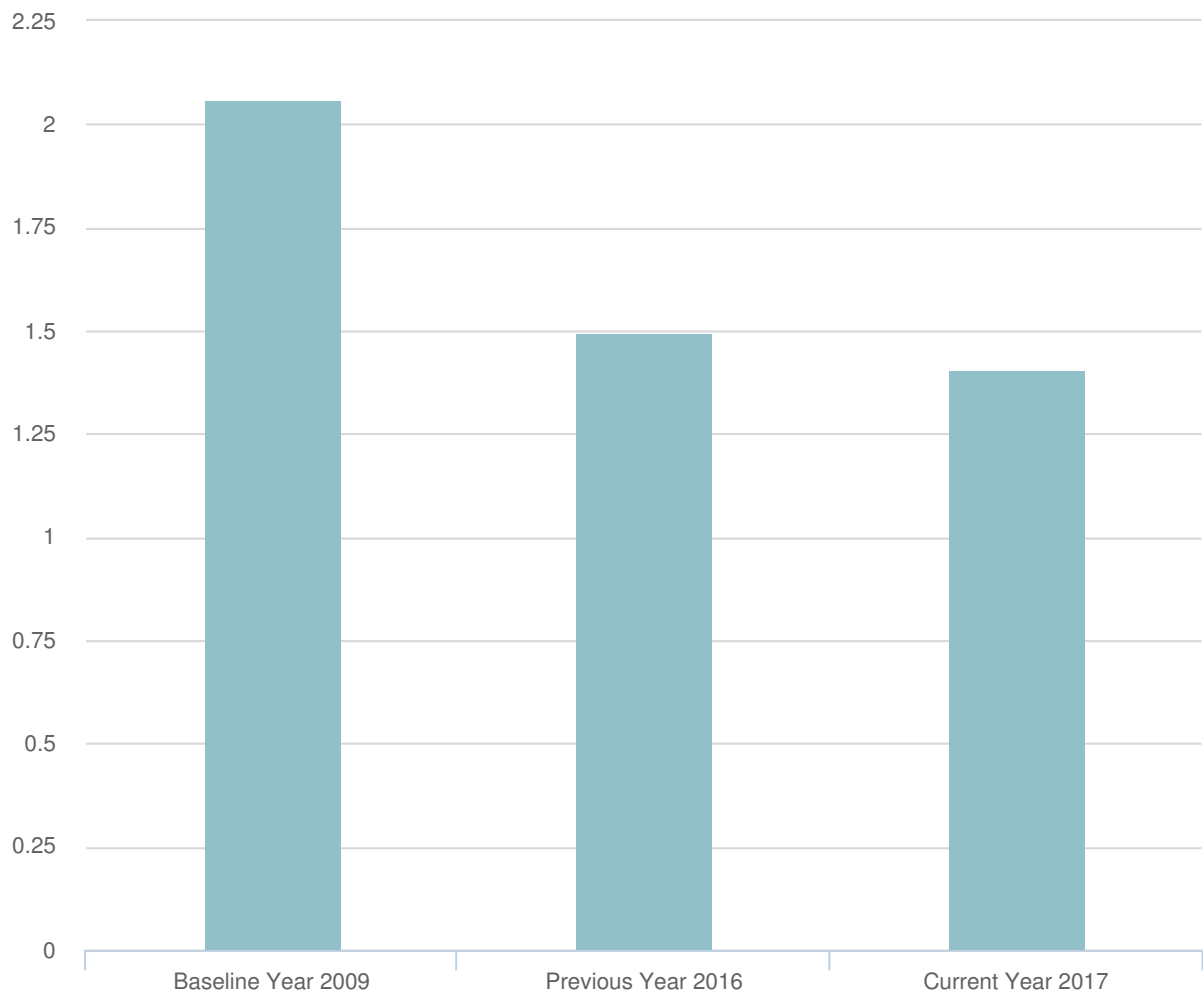
Energy use emissions (kg CO2e)





# ENERGY USE RELATED EMISSIONS

Energy use emissions (kg CO2e per audience day)

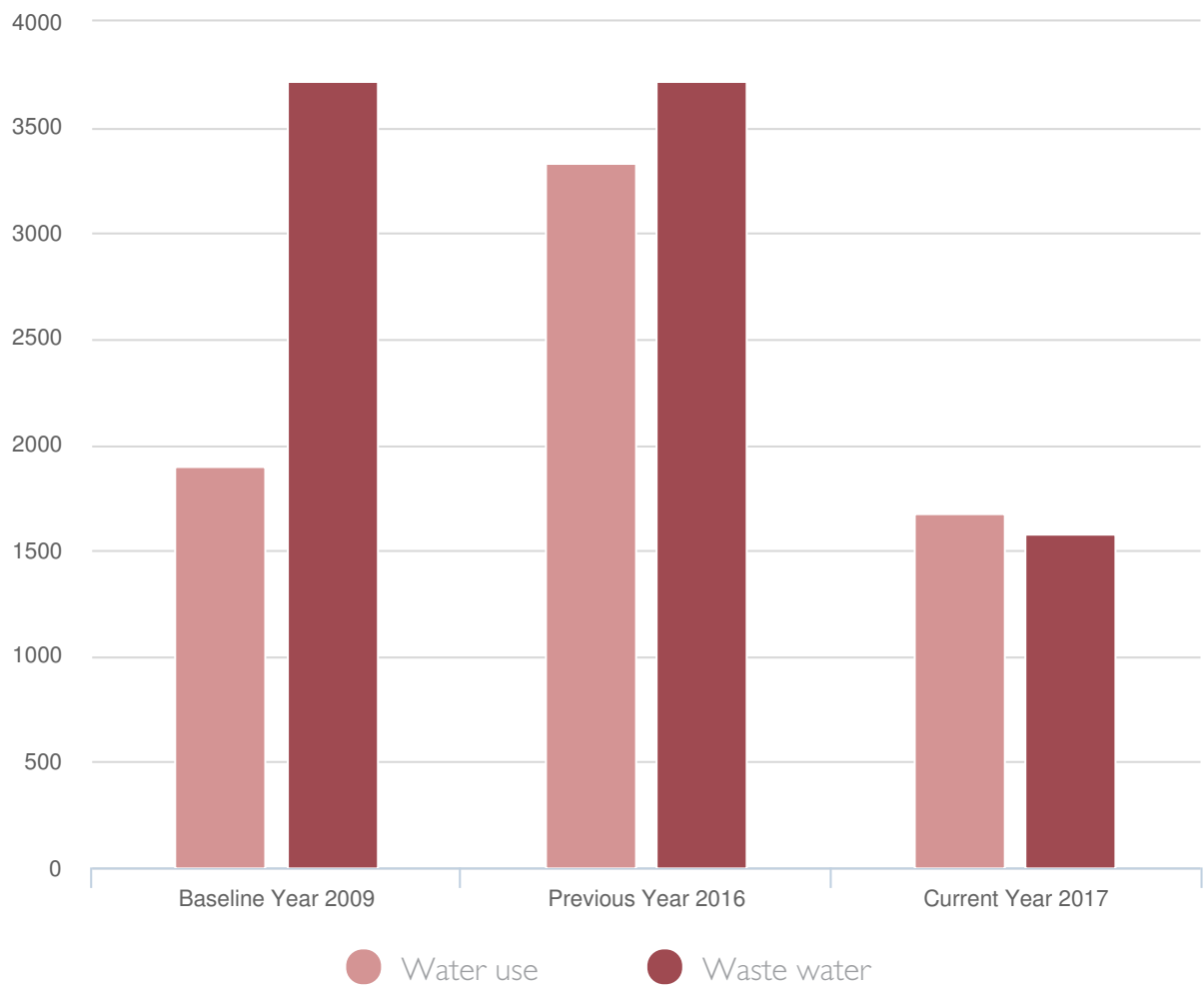




# WATER USE

WATER USE	UNIT	BASELINE YEAR 2009	PREVIOUS YEAR 2016	CURRENT YEAR 2017	% CHANGE CURRENT VS PREVIOUS	% CHANGE CURRENT VS BASELINE
Total water use and waste water	m3	1,895	3,330	1,675	-49 %	-11 %
Relative water use and waste water	litres per Audience day	10	14	6	-55 %	-36 %
Water use	m3	1,895	3,330	1,675	-49 %	-11 %
Waste water	m3	1,895	3,720	1,575	-57 %	-16 %

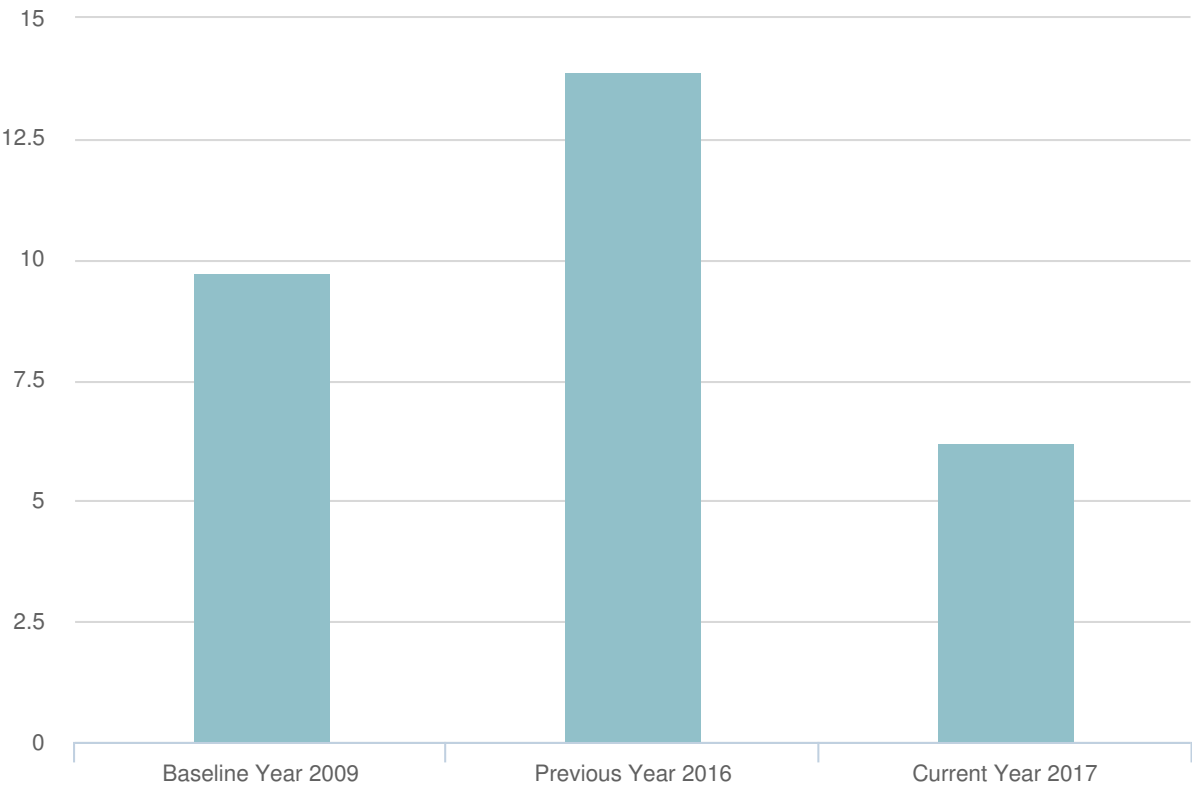
Water use (m3)





# WATER USE

Water use (litres per audience day)



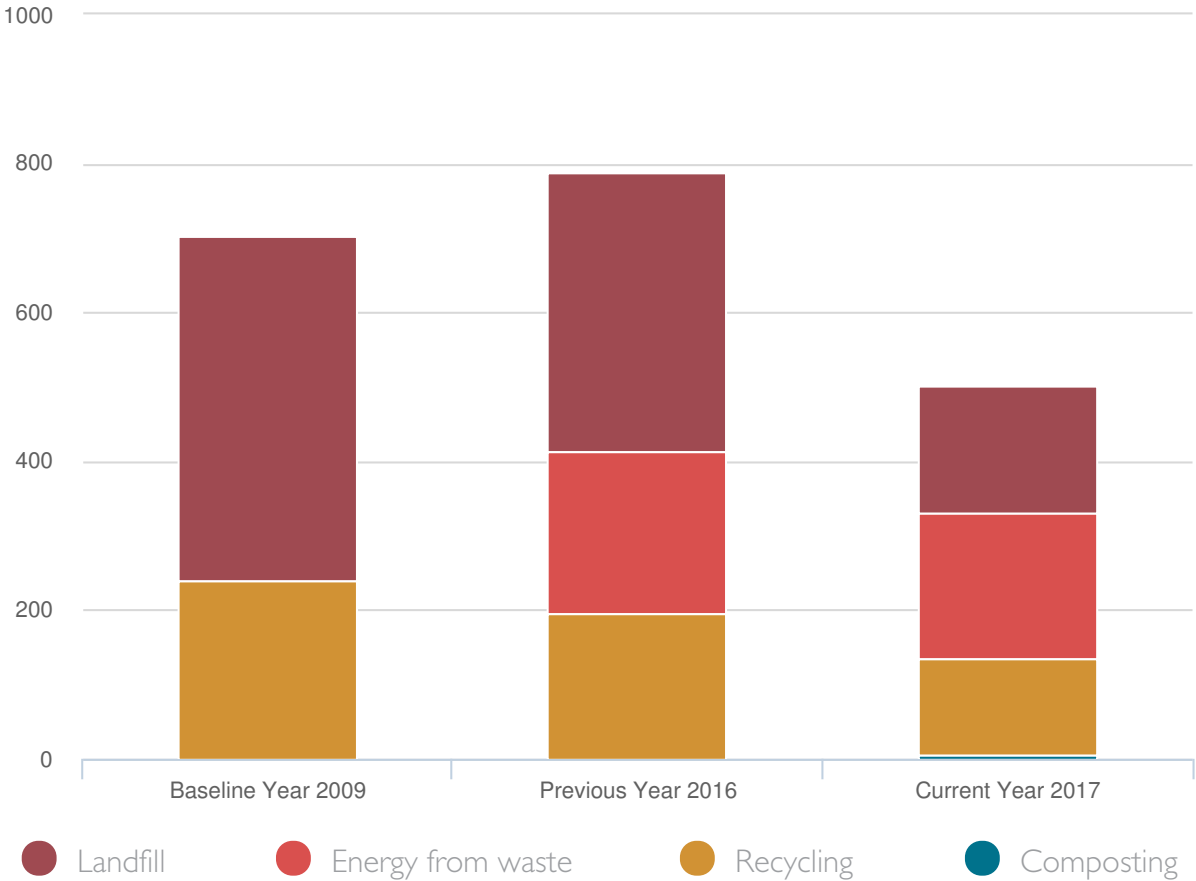




# WASTE GENERATION

WASTE	UNIT	BASELINE YEAR 2009	PREVIOUS YEAR 2016	CURRENT YEAR 2017	% CHANGE CURRENT VS PREVIOUS	% CHANGE CURRENT VS BASELINE
Waste generation - absolute	tonnes	703	788	502	-36 %	-28 %
Waste generation - relative	kg per Audience day	4	3	2	-43 %	-48 %
Landfill waste	tonnes	464	373	172	-54 %	-63 %
Energy from waste	tonnes	0.0	219	196	-10 %	No data
Recycling	tonnes	239	196	128	-34 %	-46 %
Composting	tonnes	0.0	0.0	7	No data	No data

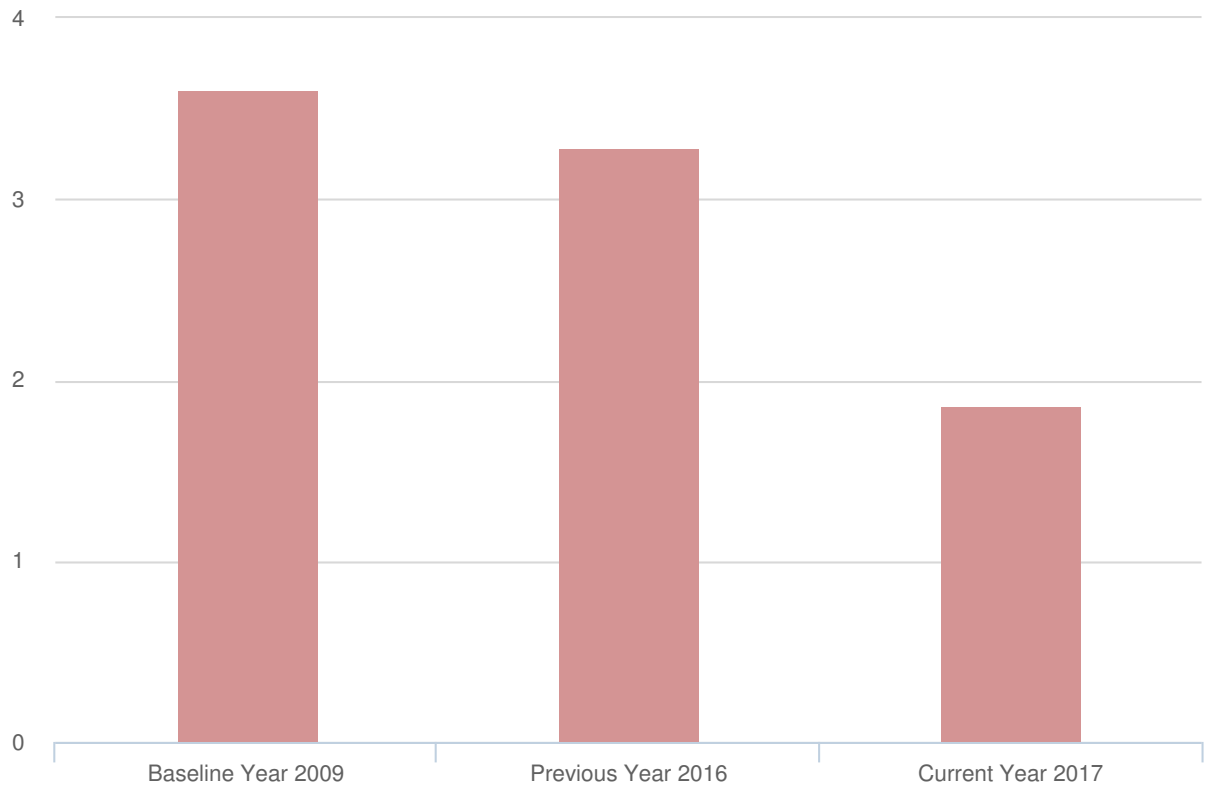
Waste (tonnes)





# WASTE GENERATION

Waste (kg per audience day)





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