



CREATIVE



GREEN



Lyric Hammersmith

CREATIVE GREEN REPORT

2016/17

Lyric Hammersmith  
CREATIVE GREEN KEY RESULTS

Environmental assessment of:

COMMITMENT	39 / 40
UNDERSTANDING	21 / 25
IMPROVEMENT	16 / 35

TOTAL POINTS 76 / 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

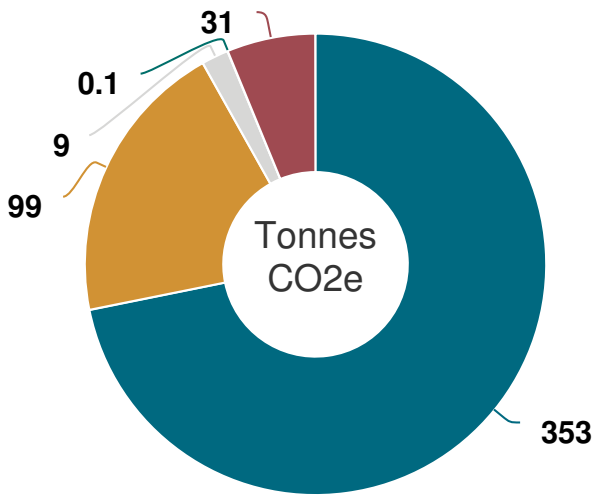


**IMPROVEMENT** towards reducing environmental impacts

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

# PROFILE

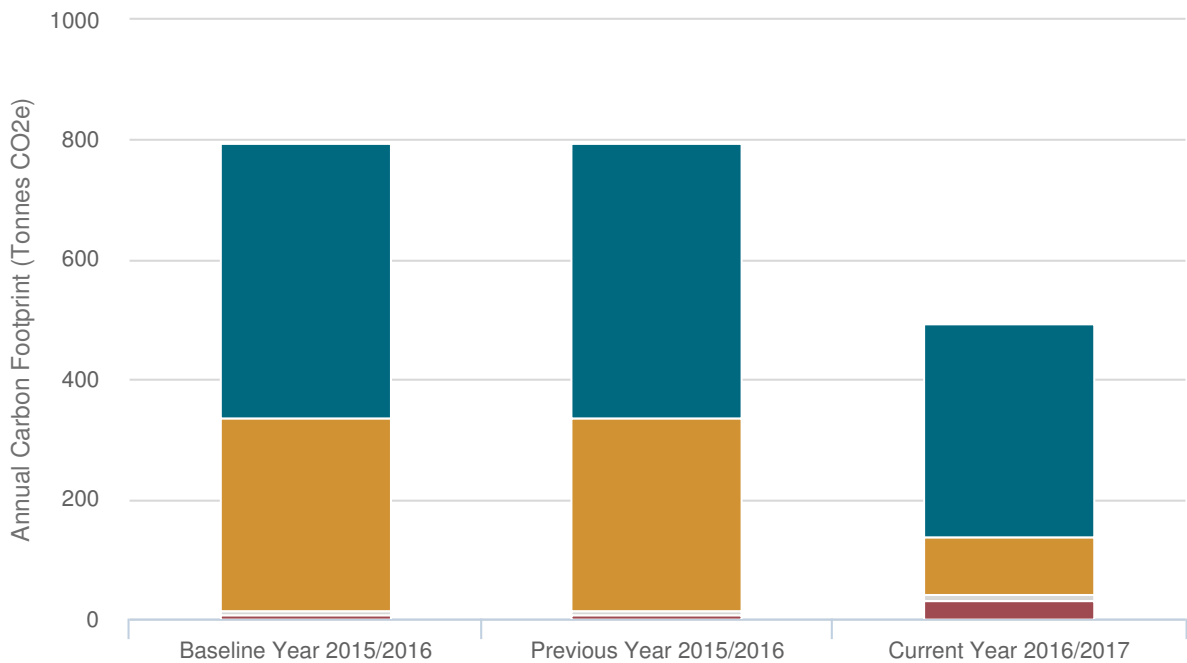
LYRIC HAMMERSMITH	STATISTICS
Type	venue
Floor area	5,913
Tickets sold	138,561
Number of performances	522
Number of staff	46



Note: All figures are rounded

The total carbon footprint in 2016/2017 was 492 Tonnes CO2e

- Electricity
- Gas
- Water use and waste water
- Waste
- Business Travel



# CARBON FOOTPRINT

# HIGHLIGHTS

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## COMMITMENT to the environment

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- Environmental Policy states the Theatre's environmental commitment to reduce impacts and achievements to date.
- An established Green Team and members of staff with responsibilities for sustainability in their job description.
- Detailed Environmental Action Plan with names people responsible for progressing improvements
- In 2017 Lyric has moved to a 100% renewable energy supplier.
- Sourcing of environmentally sustainable products e.g. stationary, office equipment, food & drink etc.
- Audience and visitor engagement through public programmes e.g. Green Lyric and #lyriclent
- Communicating Lyrics' environmental commitments to incoming artists and creatives through green clauses.
- Having best practice e.g. partnership with LTC; hosting JB's Fit for the Future 2016 event etc.
- Creative programming with environmental themes e.g. 'Hammersmith Poem' and the little lyric programme.
- Commitment to produce work for 'Season for Change' 2018.

## UNDERSTANDING of the following environmental impacts

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- Monthly monitoring of energy and water impacts with some sub-metering in place.
- Energy use working group created to analyse half-hourly data and examine anomalies.
- Gas bills secured from supplier allowing more accurate gas data to be monitored and recorded.
- Waste monitoring with a commitment from waste contractor to avoid landfill use.
- Understanding of business and audience travel impacts through survey.
- Monitoring of additional impacts including printing, food and waste and delivery fleets.
- Data collected is analysed during monthly Green Team meetings.

## 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	22
<b>Total Points</b>	<b>40</b>	<b>39</b>

## HIGHLIGHTS

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## RECOMMENDATIONS

- In the Environmental Policy, align with the UK government's Climate Change Act and the Paris Agreement. Identify the theatre's main environmental impacts areas (e.g. energy, water, waste).
- In the action plan set objectives and KPIs for reducing.
- Create two separate documents for the policy and action plan.
- Identify areas Lyric has lower understanding or influence - e.g. incoming productions and the open roof garden where members of the public can bring food and drink.
- Continue to engage with creative programming and make specific plans to contribute to [Season for Change](#) 2018.
- Continue to display leadership in the sector and share best practice.

## ENVIRONMENTAL UNDERSTANDING

ASSESSMENT AREAS	POINTS AVAILABLE	POINTS SCORED
Submission of energy, water, waste, business travel, 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	1
Evaluation of learning and outcomes	2	1
<b>Total Points</b>	<b>25</b>	<b>21</b>

## HIGHLIGHTS

- Monthly monitoring of energy and water impacts with some sub-metering in place.
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## RECOMMENDATIONS

- Develop Key Performance Indicators (KPIs) to measure success and include these targets within your Action Plan.
- Implement the recommendations from the building energy saving audit conducted by Julie's Bicycle, especially the recommendation for developing an energy management strategy.
- Monitor numbers of people using the building - e.g. foot fall
- Investigate opportunities for developing sustainable production processes.
- Investigate opportunities to reduce environmental impacts of printed programmes and marketing materials.
- Look further into ways to track and record supplier and production based travel impacts.
- Run staff and audience environmental attitude survey to develop future campaigns.
- Record and publicise the food miles of any locally-sourced products being sold.



## ENVIRONMENTAL IMPROVEMENT

## HIGHLIGHTS

Current year: 2016/2017

Baseline: energy use 2015/2016, energy related emissions 2015/2016, water use 2015/2016, waste generation 2015/2016, and business travel 2015/2016

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	-50 %	-50 %	3	3
Energy use related emissions	-38 %	-38 %	3	3
Water	17 %	17 %	2	0
Waste	6 %	6 %	2	0
Business travel	397 %	397 %	2	0
<b>Total Points</b>			<b>12</b>	<b>6</b>

RELATIVE	RELATIVE METRIC	CURRENT VS. BASELINE	CURRENT VS. PREVIOUS	POINTS AVAILABLE	POINTS AWARDED
Energy use	per Performance	-45 %	-45 %	5	5
Energy use related emissions	per Performance	-31 %	-31 %	5	5
Water	per Visitor	34 %	34 %	4	0
Waste	per Visitor	21 %	21 %	4	0
Business travel	per Employee	397 %	397 %	4	0
<b>Total Points</b>				<b>22</b>	<b>10</b>



## ENVIRONMENTAL IMPROVEMENT RECOMMENDATIONS

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### Achievements

- Absolute energy use has reduced by 50% between 2015 and 2016 while energy related emissions reduced by 38%.
- Energy related emissions per performance reduced by 31% between 2015 and 2016.
- Despite an overall increase in waste, waste to landfill has reduced by 67% since 2015/2016 because recycling increased by 23%.

**Environmental Improvement Baseline:** The baseline has been updated to 2015/16 post the major capital development project. This should be revisited in 2017/18 as the building's operation is still settling down.

### Next Steps: Energy

- Develop an energy management strategy.
- Continue developing energy saving initiatives e.g. continue plans to develop LED show lighting.
- Ensure the Building Management System (BMS) is programme settings are optimal.
- Revisit the feasibility of investing in onsite or a community renewable energy project.

### Next Steps: Water

- Continue developing water saving initiatives e.g. investigate mechanisms to recycle any left over water; work with catering concessions on reducing water use.

### Next Steps: Waste

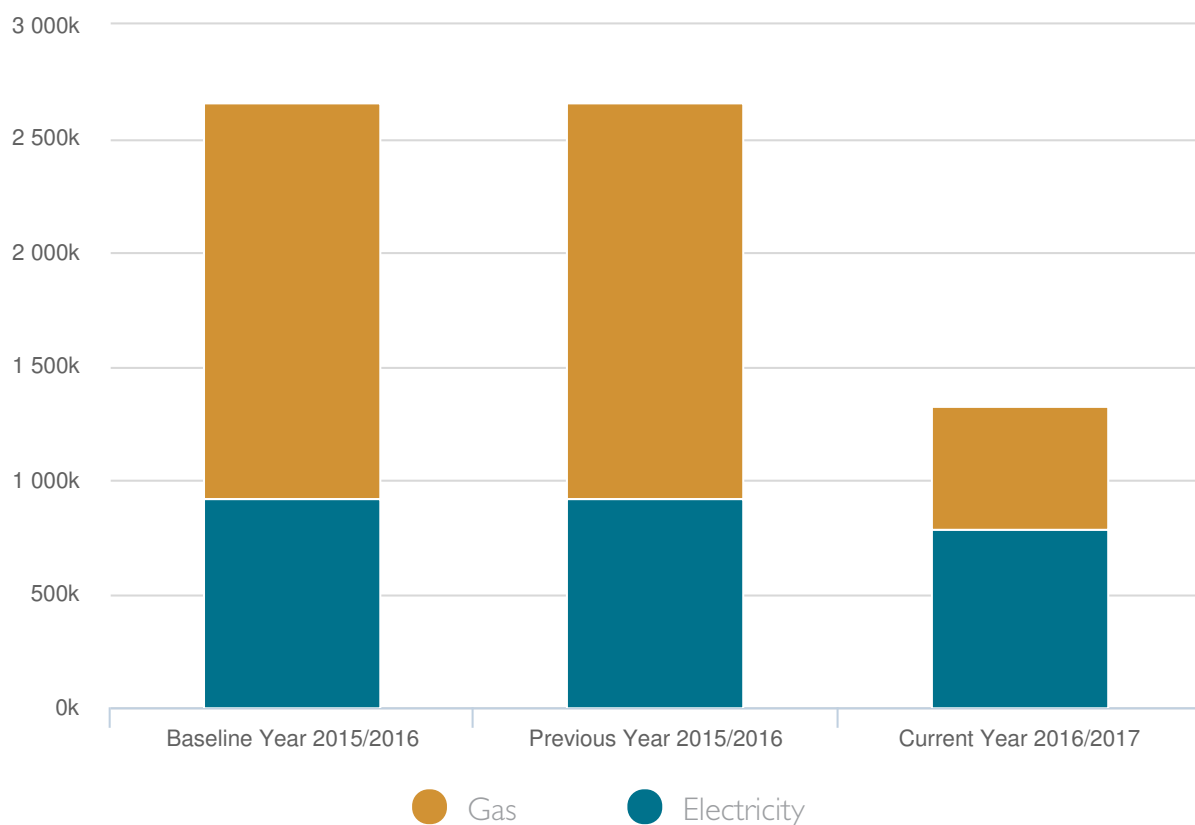
- Work to decrease waste to landfill (include numerical performance to date and targets in Action Plan) - engage with market stalls and local authority on food packaging especially as the public are likely to be leaving this packaging on the open roof terrace. Give an award / recognition to market stores making efforts to reduce packaging waste and using compostable packaging.
- Investigate how this packaging is increasing the Lyric's waste generation.
- Investigate food and serveware composting to tackle waste.



# ENERGY USE

ENERGY USE	UNIT	BASELINE YEAR 2015/2016	PREVIOUS YEAR 2015/2016	CURRENT YEAR 2016/2017	% CHANGE CURRENT VS PREVIOUS	% CHANGE CURRENT VS BASELINE
Energy use (electricity and gas) -- absolute	kWh	2,659,277	2,659,277	1,321,805	-50 %	-50 %
Electricity	kWh	917,297	917,297	786,217	-14 %	-14 %
Gas (weather normalised)	kWh	1,741,980	1,741,980	535,587	-69 %	-69 %
Energy use (electricity and gas) -- relative	kWh per Performance	8,496	8,496	4,671	-45 %	-45 %
Electricity	kWh per Performance	2,931	2,931	2,778	-5 %	-5 %
Gas (weather normalised)	kWh per Performance	5,565	5,565	1,893	-65 %	-65 %
Mains electricity - absolute	kWh	917,297	917,297	786,217	-14 %	-14 %
Mains gas - absolute	kWh	1,319,114	1,319,114	444,311	-66 %	-66 %
Weather gas normalised - absolute	kWh	1,741,980	1,741,980	535,587	-69 %	-69 %

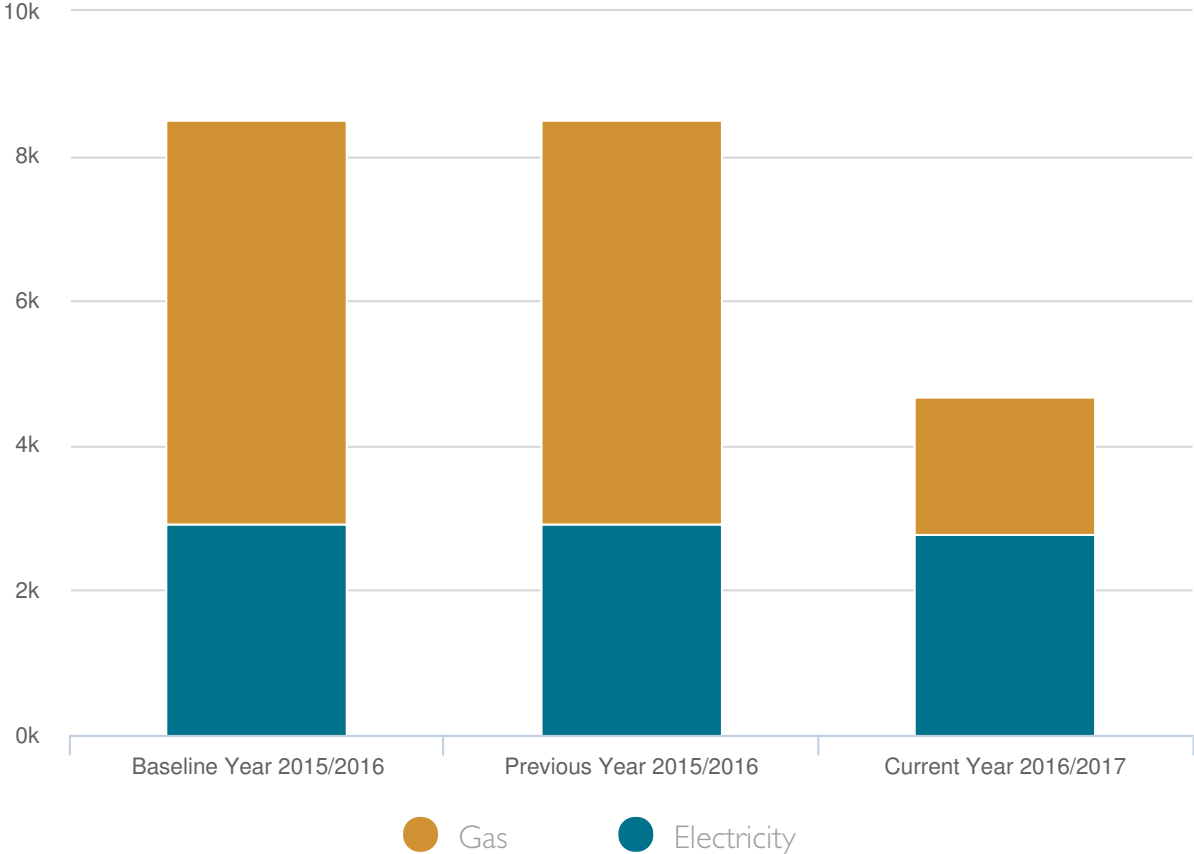
Energy consumption (kWh)





# ENERGY USE

Energy consumption (kWh per performance)

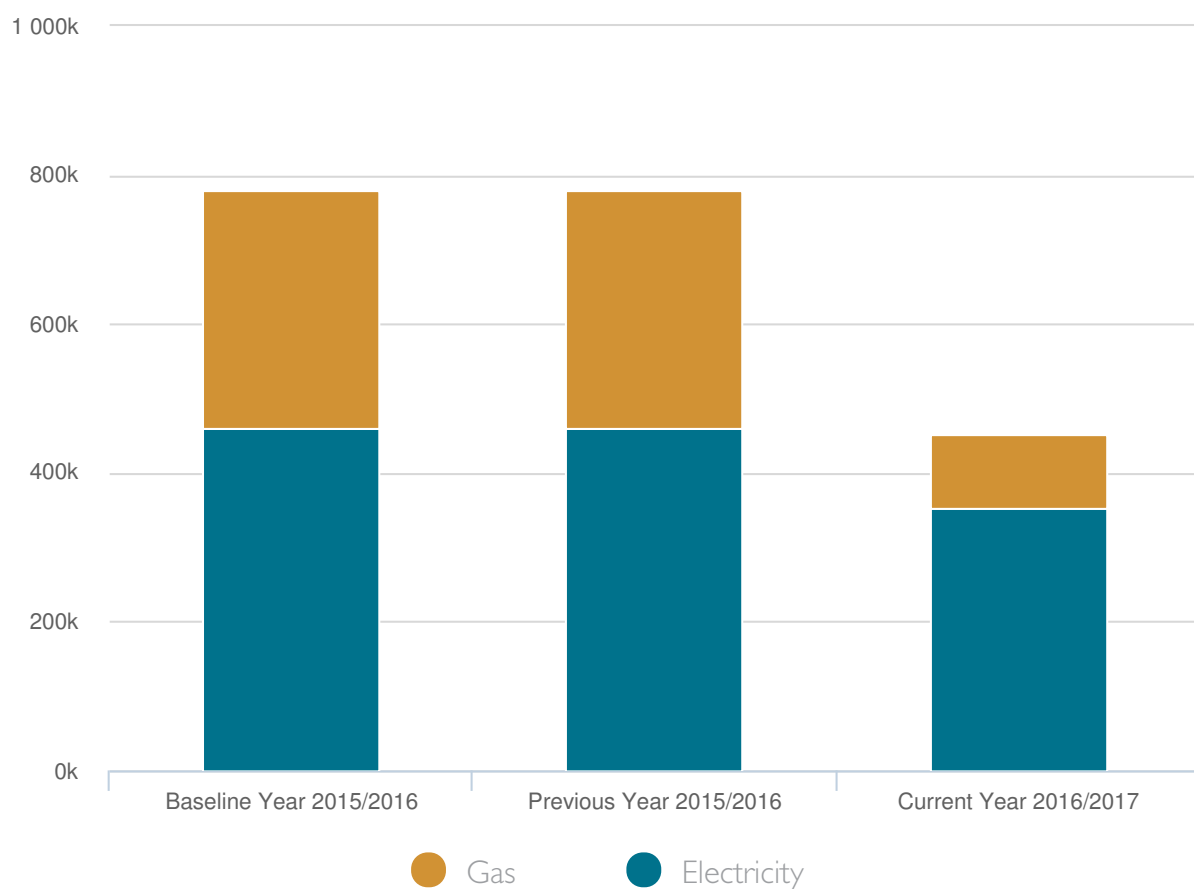




# ENERGY USE RELATED EMISSIONS

ENERGY RELATED EMISSIONS	UNIT	BASELINE YEAR 2015/2016	PREVIOUS YEAR 2015/2016	CURRENT YEAR 2016/2017	% CHANGE CURRENT VS PREVIOUS	% CHANGE CURRENT VS BASELINE
Energy use emissions (all sources) - absolute	kg CO2e	702,280	702,280	435,016	-38 %	-38 %
Energy use emissions (all sources) - relative	kg CO2e per Performa...	2,244	2,244	1,537	-31 %	-31 %
Electricity	kg CO2e	458,970	458,970	353,263	-23 %	-23 %
Normalised gas	kg CO2e	321,308	321,308	98,548	-69 %	-69 %

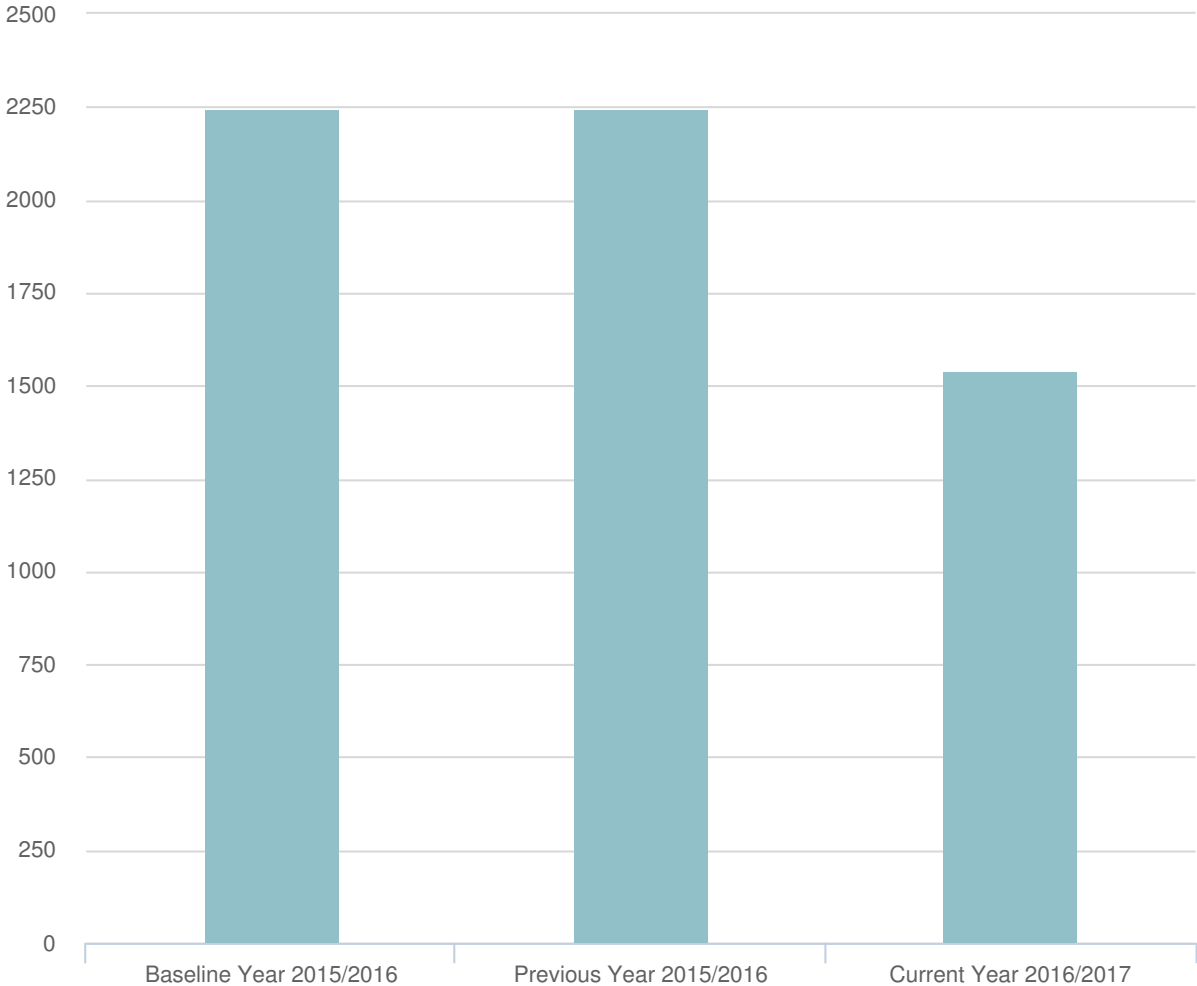
Energy use emissions (kg CO2e)





# ENERGY USE RELATED EMISSIONS

Energy use emissions (kg CO2e per performance)

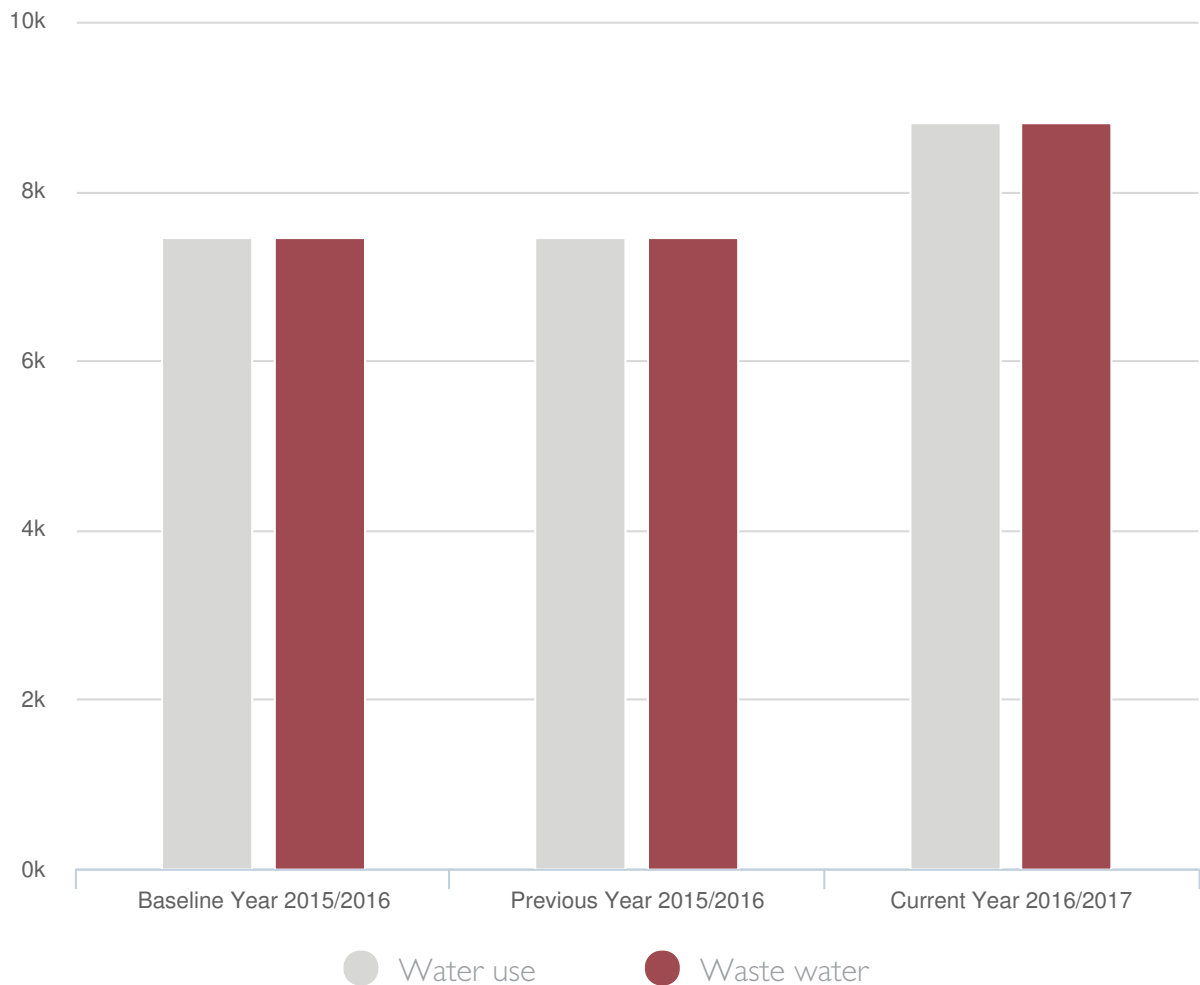




# WATER USE

WATER USE	UNIT	BASELINE YEAR 2015/2016	PREVIOUS YEAR 2015/2016	CURRENT YEAR 2016/2017	% CHANGE CURRENT VS PREVIOUS	% CHANGE CURRENT VS BASELINE
Total water use and waste water	m3	7,468	7,468	8,805	17 %	17 %
Relative water use and waste water	litres per Visitor	47	47	64	34 %	34 %
Water use	m3	7,468	7,468	8,805	17 %	17 %
Waste water	m3	7,468	7,468	8,805	17 %	17 %

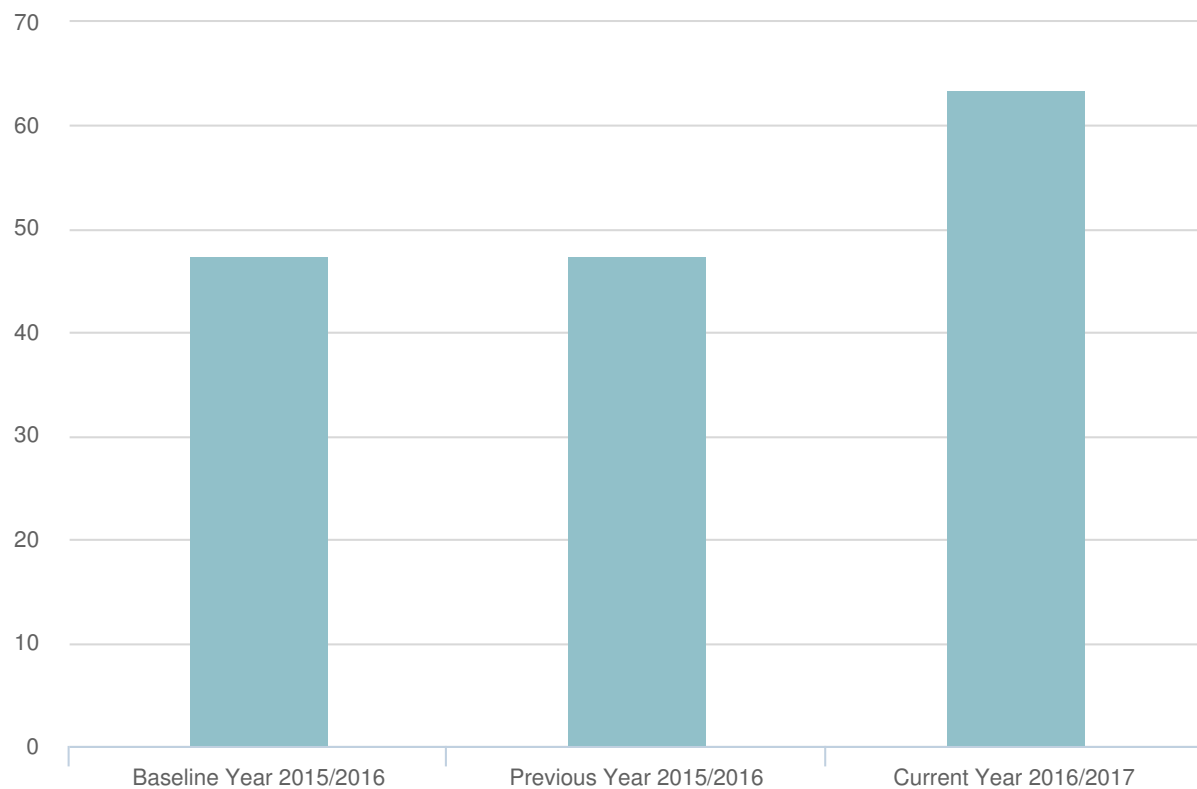
Water use (m3)





# WATER USE

Water use (litres per visitor)



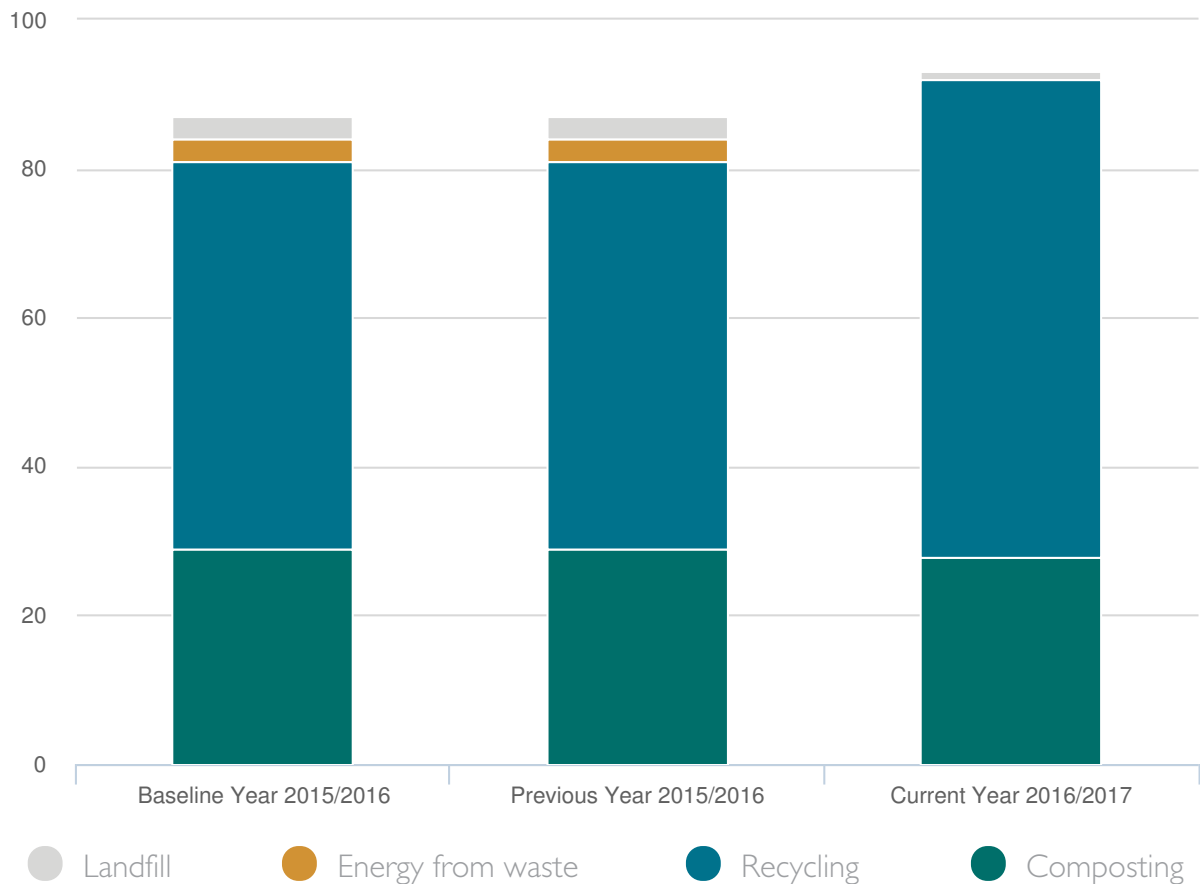




# WASTE GENERATION

WASTE	UNIT	BASELINE YEAR 2015/2016	PREVIOUS YEAR 2015/2016	CURRENT YEAR 2016/2017	% CHANGE CURRENT VS PREVIOUS	% CHANGE CURRENT VS BASELINE
Waste generation - absolute	tonnes	87	87	93	6 %	6 %
Waste generation - relative	kg per Visitor	0.6	0.6	0.7	21 %	21 %
Landfill waste	tonnes	3	3	1.0	-67 %	-67 %
Energy from waste	tonnes	3	3	0.0	No data	No data
Recycling	tonnes	52	52	64	23 %	23 %
Composting	tonnes	29	29	28	-3 %	-3 %

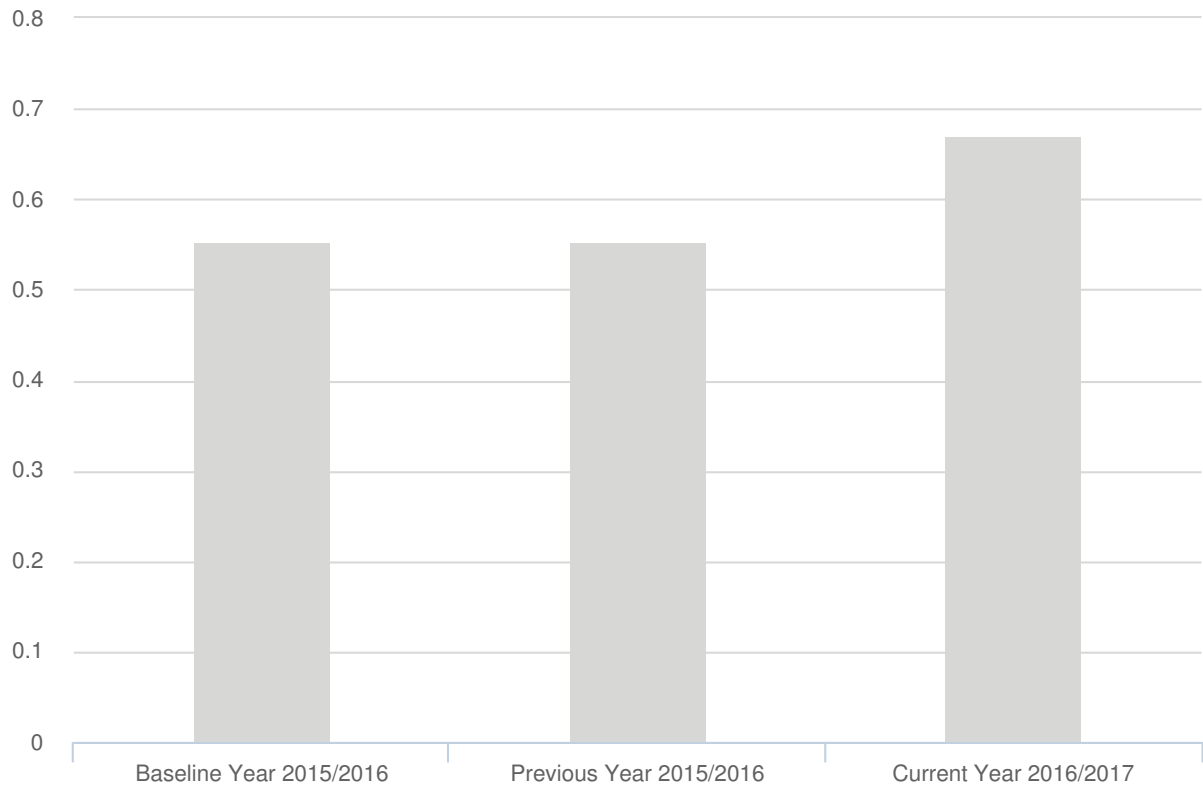
Waste (tonnes)





# WASTE GENERATION

Waste (kg per visitor)

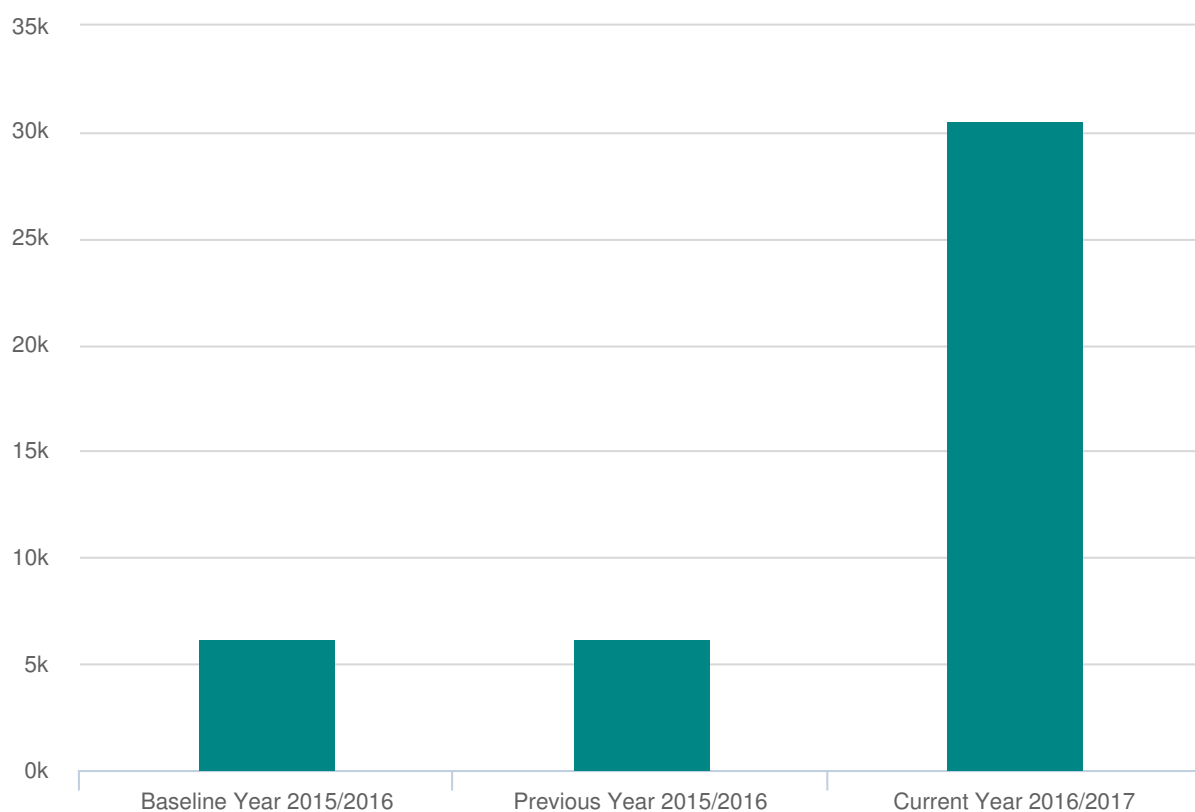




## BUSINESS TRAVEL RELATED EMISSIONS

BUSINESS TRAVEL RELATED EMISSIONS	UNIT	BASELINE YEAR 2015/2016	PREVIOUS YEAR 2015/2016	CURRENT YEAR 2016/2017	% CHANGE CURRENT VS PREVIOUS	% CHANGE CURRENT VS BASELINE
Total business travel related emissions - absolute	kg CO2e	6,148	6,148	30,555	397 %	397 %
Total business travel related emissions - relative	kg CO2e per Employee	134	134	664	397 %	397 %
Car service	km	0.0	0.0	967	No data	No data
	kg CO2e	0.0	0.0	186	No data	No data
Train - national	km	14,052	14,052	4,134	-70 %	-70 %
	kg CO2e	633	633	202	-68 %	-68 %
Taxi - regular	km	0.0	0.0	0.0	No data	No data
	kg CO2e	0.0	0.0	0.0	No data	No data
Flight - shorthaul	km	10,891	10,891	8,864	-18 %	-18 %
	kg CO2e	1,812	1,812	1,463	-19 %	-19 %
Flight - longhaul	km	22,280	22,280	181,496	714 %	714 %
	kg CO2e	3,381	3,381	26,640	687 %	687 %

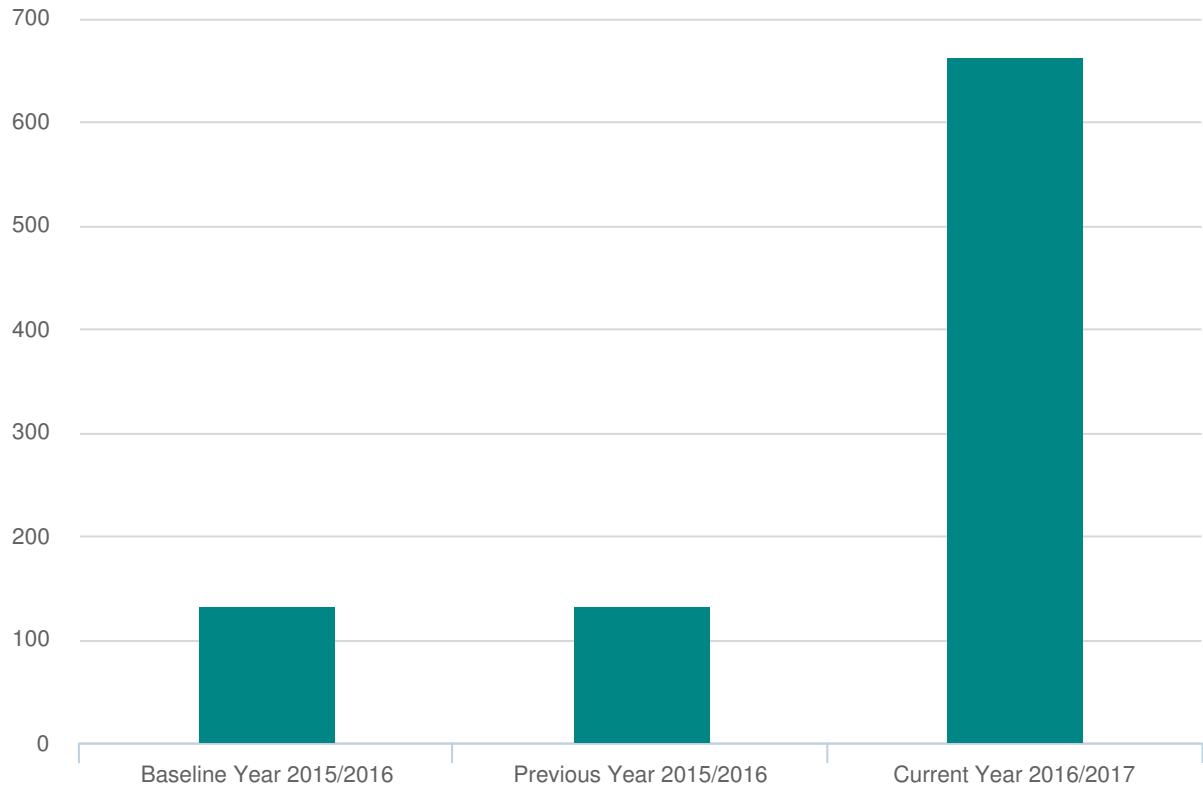
Business travel emissions (kg CO2e)





## BUSINESS TRAVEL RELATED EMISSIONS

Business travel emissions (kg CO<sub>2</sub>e per employee)





Julie's Bicycle  
SUSTAINING CREATIVITY

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