



LIVE ACTIVE LEISURE

Climate Change Report 2017/18

Live Active Leisure is committed to climate change action through its Business Planning process. The Chief Executive accepts responsibility for the Climate Change Actions and reports back to the Full Board through the Property and Environment Committee. The delivery of Climate Change Actions is led by the Technical Services Manager and in the year ahead onwards, with the Climate Change Group which comprises representatives from each operational area of the organisation.

Metrics Used:	Units	Value
Floor area	m ²	22,480
kWh / floor area (annual)	kWh / m ² / year	674
Number of Users (annual)	No users / Year	1,170,000
kWh / year	kWh	15,151,520

How is Climate Change Action managed and embedded in the Trust?

The Company has Key Objectives in its Annual Business Plan that encompass clear Environmental Objectives. Progress on these objectives is reported to the Board on a quarterly basis. The Company has an Environmental Policy. The Property and Environment Committee approve budget and targets for Climate Change Actions. Operational responsibility lies primarily with the Technical Services Manager but this is being devolved at a local level to Locality Operations Managers during the next 12 months.

Does the Trust have specific (i) Climate Change Mitigation (ii) Adaptation and (iii) Sustainability Objectives in its Corporate Plan or similar document?

Working objective	Name of document
Improve recycling performance across Company	Business Plan
Reduce energy consumption by implementing energy saving measures	Business Plan
Review Environmental Policy and Procedures and implement	Business Plan

Our overarching Climate Change Plans:

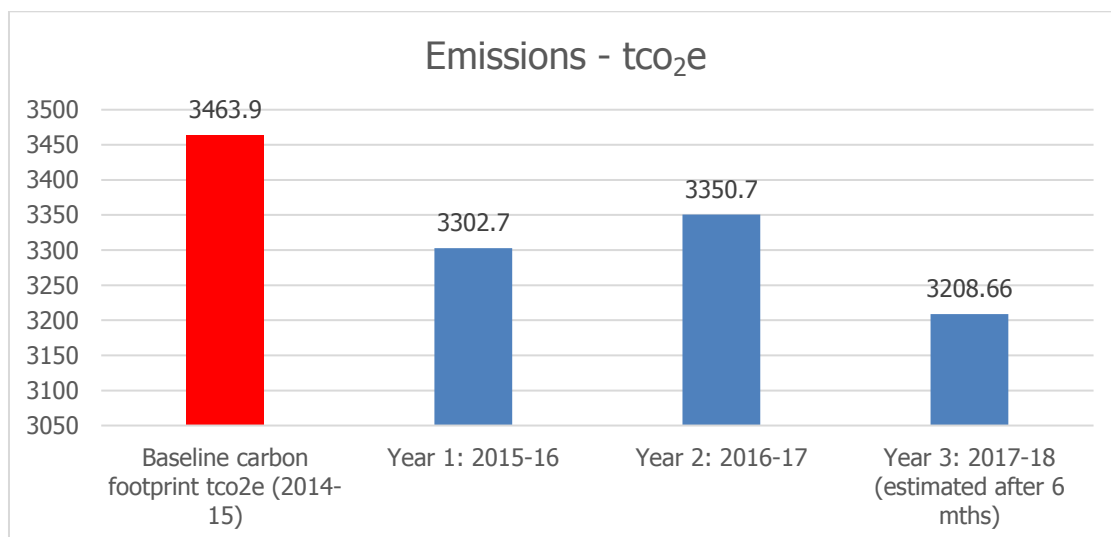
- Register of Environmental Aspects
- Register of Environmental Legislation
- Environmental Policy
- Environmental Objectives and Targets
- Non-conformity and Corrective Actions Report

What are the Trust's top priorities for Climate Change Governance, Management and Strategy for the year ahead?

- Climate Change Action is integrated in the Business Plan with senior accountability for taking and reviewing action
- An Action Plan around Climate Change has been created for the 5 years ahead
- Energy Audits have been carried out on the main operational areas
- LAL will set up systems to collate and monitor key data that is needed for section 3 of this report
- A Climate Change Team will be established in 2018

Emissions, Targets and Projects

Emissions from start of the year which the Trust uses as a baseline (for its carbon footprint) to the end of the report year



The half-year figures for 2017/18 are showing a potential saving in the order of 100,000 kg CO₂e for the full-year. The savings in this financial year have been due to a number of 'spend to save' lighting projects undertaken across the Company.

100,000kg CO₂e equates to:



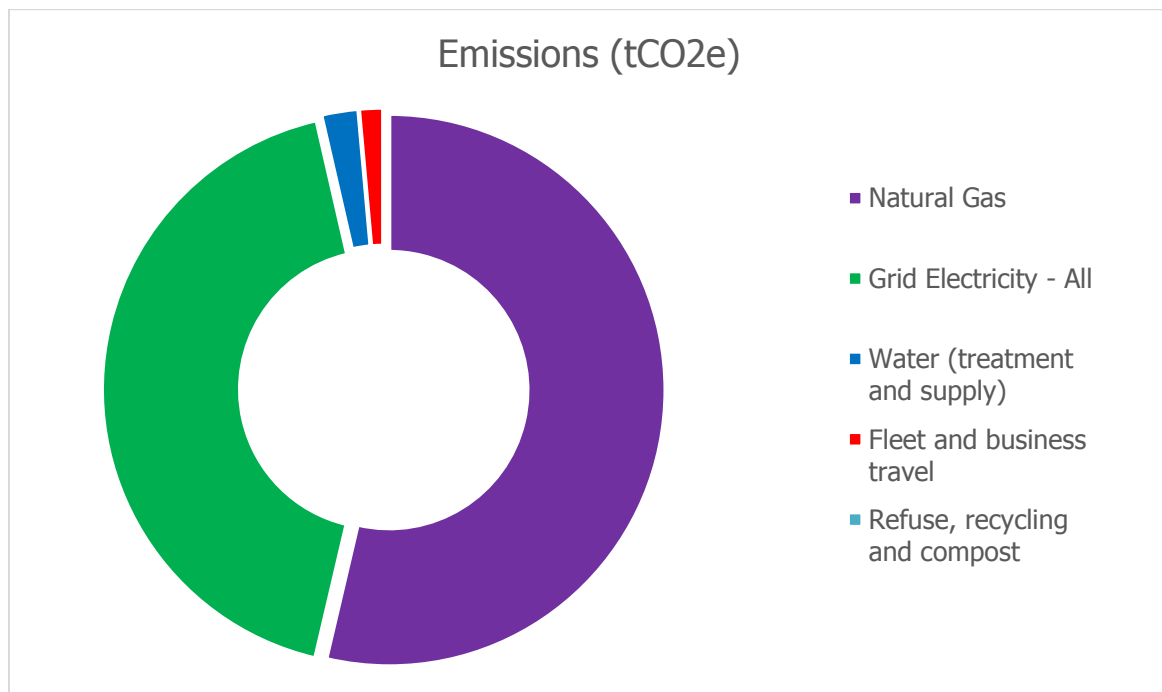
11 homes energy use in a year

The year ahead will see full-year savings on the following projects:

- Live Active Strathearn - replacement boilers
- Live Active Loch Leven – replacement Pool Hall lighting
- Live Active Dewars Centre – Installing LED lighting to underground car park
- Bell’s Sports Centre – Installing improved roof insulation and covering

Note: Letham Centre has returned to Perth and Kinross Council. This facility was all-electric and may have a significant bearing in year 2018/19.

Breakdown of Emissions 2017/18 (estimated)



Emission Targets 2018-19

Name of target	Type of target	Boundary / scope of target	Target
Reduce building fabric heat losses	Annual	Energy use in buildings	11 tCO ₂ e
Reduce air temperature stratification heat losses	Annual	Energy use in buildings	22 tCO ₂ e
Reduce electrical consumption	Annual	Energy use in buildings	100 tCO ₂ e

Key carbon reduction projects

Project name and description	Funding source	Capital cost (£)	Operational cost (£ annum)	Project lifetime (years)	Primary fuel/emission source saved	Estimated carbon savings (tCO ₂ e annum)	Estimated cost savings (£/annum)	Savings figures are estimated or actual	Comments
Loch Leven Leisure Pool Hall lights	In House	7,131	2,000	10	Electricity	9.26	1,200	Estimated	Early calculations indicate savings will be achieved at the level expected
Strathearn: New boilers	In House	63,858	29,900	15	Natural Gas	12.00	7,480	Estimated	Early calculations indicate savings will be achieved at the level expected
Dewars Centre: change to LED lighting for underground car park	In House	8,356	5,000	10	Electricity	15.72	3,600	Estimated	Early calculations indicate savings will be achieved at the level expected
Bell's Arena lights	In House	3,179	2,400	10	Electricity	99.90	1,600	Estimated	Early calculations indicate savings will be achieved at the level expected
On-site office segregation of waste	In House	3,000	15,000	10	Refuse Commercial & Industrial to Landfill	0.50	3,000	Estimated	
On-site Switch it off Campaign	In House	500	80,000	10	Electricity	1.00	5,000	Estimated	
Total Annual Savings		86,024	134,300			138.38	21,880		Total savings (excl capital costs) over the life of the projects exceeds £200,000

Future planned projects to be carried out in the year ahead:

- Bell's Sports Centre - Overlay existing roof to increase insulation
- Reduce 'grey fleet' use with technological interventions
- All Facilities - Replace high energy lights with LED equivalents
- Live Active Dewars Centre - Install dehumidification plant to the Ice Hall
- Live Active Rodney - Install heat recovery/fresh air ventilation system