

# Sustainability Report for AIREDALE NHS FOUNDATION TRUST (RCF)

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## Introduction

As an NHS organisation, and as a spender of public funds, we have an obligation to work in a way that has a positive effect on the communities we serve. Sustainability means spending public money well, the smart and efficient use of natural resources and building healthy, resilient communities. By making the most of by making the most of social, environmental and economic assets we can improve health both in the immediate and long term even in the context of rising cost of natural resources. Demonstrating that we consider the social and environmental impacts ensures that the legal requirements in the Public Services (Social Value) Act (2012) are met.

In order to fulfil our responsibilities for the role we play, AIREDALE NHS FOUNDATION TRUST has created a sustainable development management plan (SDMP).

As a part of the NHS, public health and social care system, it is our duty to contribute towards the level of ambition set in 2014 of reducing the carbon footprint of the NHS, public health and social care system by 34% (from a 1990 baseline) equivalent to a 28% reduction from a 2013 baseline by 2020. It is our aim to supersede this target by reducing our carbon emissions 34% by 2020-21 using 2007-08 as the baseline year.

## Policies

In order to embed sustainability within our business it is important to explain where in our process and procedures sustainability features.

Area	Is sustainability considered?
Travel	Yes
Procurement (environmental)	Yes
Procurement (social impact)	Yes
Suppliers' impact	Yes

One of the ways in which an organisation can embed sustainability is through the use of an SDMP. An update to our SDMP is required because it has not been approved by the board in the last 12 months.

Please note 85% of purchase transactions are completed through NHS Supply Chain so have detailed some of their key achievements: Reduced electricity consumption by 4% versus previous year – a reduction of over 328,734 kWh. Reduced gas consumption by 1% versus previous year – a reduction of almost 127,535 kWh. Increased carbon revenue ratio by 2% versus last year to -41% versus 8 years ago. Recycled over 1,505 tonnes, recovered over 606 tonnes and reused over 659 tonnes of waste from the NHS Supply Chain distribution network. Diverted 19% of total waste to energy recovery. Achieved a 86% recycling and recovery rate for all waste created by NHS Supply Chain. Saved over 4,055,000 litres of water on the previous year. 34% of sales coming through our National Catalogue are with SMEs, exceeding government targets. Approximately 200 suppliers are now subject to the Labour Standards Assurance System (LSAS) contract conditions.

Climate change brings new challenges to our business both in direct effects to the healthcare estates, but also to patient health. Examples of recent years include the effects of heat waves, extreme temperatures and prolonged periods of cold, floods, droughts etc. Our board approved plans address the potential need to adapt the delivery the organisation's activities and infrastructure to climate change and adverse weather events

One of the ways in which we measure our impact as an organisation on corporate social responsibility is through the use of the Sustainable Development Assessment Tool (<https://www.sduhealth.org.uk/sdat/>) (SDAT) tool. The last time we used the SDAT self assessment was in 2017-05 scoring 48%.

We have not assessed the social and environmental impacts for the organisation.

Our statement on Modern Slavery is: Modern Slavery Message is on the website <http://www.airedale-trust.nhs.uk/about-us/equality-diversity-inclusion/modern-slavery-statement-201718/>

We have not currently issued a statement on meeting the requirements of the Public Services (Social Value) Act.

## Partnerships

The NHS policy framework already sets the scene for commissioners and providers to operate in a sustainable manner. Crucially for us as a provider, evidence of this commitment will need to be provided in part through contracting mechanisms.

We have not currently established any strategic partnerships.

For commissioned services here is the sustainability comparator for our CCGs; *please note this is published a year in arrears:*

Organisation Name	SDMP	SDAT	SD Reporting score
NHS Bradford Districts CCG	No	n/a	Good
NHS Airedale, Wharfedale and Craven CCG	No	n/a	Good
NHS East Lancashire CCG	No	n/a	Minimum

Organisation Name	SDMP	SDAT	SD Reporting score
NHS Morecambe Bay CCG	No	n/a	Poor
NHS Bradford City CCG	No	n/a	Good
NHS England	n/a	n/a	n/a

More information on these measures is available here: <http://www.sduhealth.org.uk/policy-strategy/reporting/sdmp-annual-reporting.aspx>  
(<http://www.sduhealth.org.uk/policy-strategy/reporting/sdmp-annual-reporting.aspx>)

## Performance

### Organisation

Since the 2007 baseline year, the NHS has undergone a significant restructuring process and one which is still on-going. Therefore in order to provide some organisational context, the following table may help explain how both the organisation and its performance on sustainability has changed over time.

	2014-15	2015-16	2016-17	2017-18
<b>Total gross internal floor space</b>	63,030	64,929	60,808	60,808
<b>Total no. of staff employed</b>	2,255	2,300	2,445	2,447

The 2014-2020 Sustainable Development Strategy outlined an ambition to reduce the carbon footprint of the NHS by 28% (from a 2013 baseline) by 2020. We have supported this ambition as follows:

### Energy

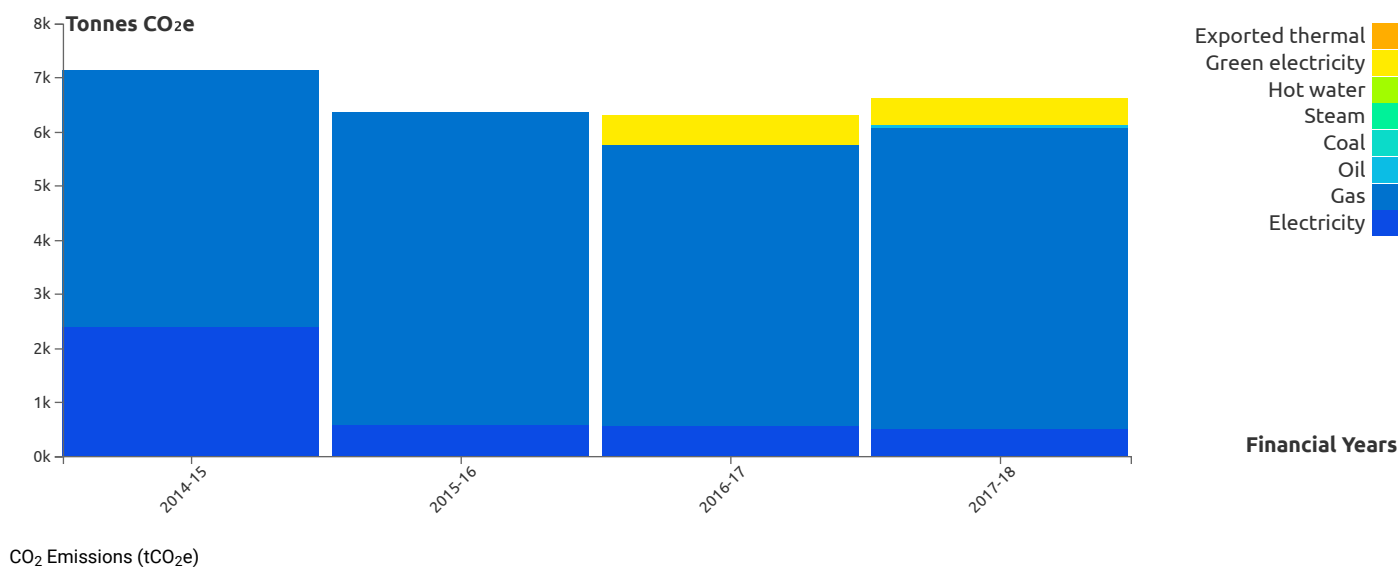
AIREDALE NHS FOUNDATION TRUST has spent £724,000 on energy in 2017-18 .

#### Energy used

Energy consumption in kWh

	2014-15	2015-16	2016-17	2017-18
<b>Gas Consumed</b>	22,636,157	27,616,731	24,767,816	26,206,733
<b>Oil Consumed</b>	0	0	0	121,836
<b>Coal Consumed</b>	0	0	0	0
<b>Steam Consumed</b>	0	0	0	0
<b>Hot Water Consumed</b>	0	0	0	0
<b>Electricity Consumed</b>	3,845,906	1,020,295	1,093,147	1,166,728
<b>Green electricity</b>	0	0	1,071,284	1,143,393
<b>Total</b>	26,482,063	28,637,026	26,932,247	28,638,690

#### Carbon emissions resulting



	2014-15	2015-16	2016-17	2017-18
<b>Electricity</b>	2,382	587	565	520
<b>Gas</b>	4,749	5,780	5,176	5,556
<b>Oil</b>	0	0	0	40
<b>Coal</b>	0	0	0	0
<b>Steam</b>	0	0	0	0
<b>Hot water</b>	0	0	0	0
<b>Green electricity</b>	0	0	554	510
<b>Exported thermal</b>	0	0	0	0
<b>Total</b>	7,131	6,367	6,295	6,626

Please click to insert a commentary on your performance in this area.

0 % of our electricity use comes from renewable sources.

Electrical usage has reduced significantly since the introduction of the CHP plant, there are 4 electrical car charging points that are provided free of charge to staff, visitors and patients.

## Paper

The movement to a Paperless NHS can be supported by staff reducing the use of paper at all levels, this reduces the environmental impact of paper, reducing cost of paper to the NHS and can help improve information security.

### Paper consumed

Cost is in pounds and weight in tonnes.

	2014-15	2015-16	2016-17	2017-18
<b>Paper spend (£)</b>	0	0	0	31,000
<b>Paper products used (tonnes)</b>	0	0	0	200,874

Paper use was not recorded prior to 2017/18, printer usage is monitored by the procurement department

## Travel

We can improve local air quality and improve the health of our community by promoting active travel to our staff and to the patients and public that use our services.

Every action counts and we are a lean organisation trying to realise efficiencies across the board for cost and carbon (CO<sub>2</sub>e) reductions. We support a culture for active travel to improve staff wellbeing and reduce sickness. Air pollution, accidents and noise all cause health problems for our local population, patients, staff and visitors and are caused by cars, as well as other forms of transport.

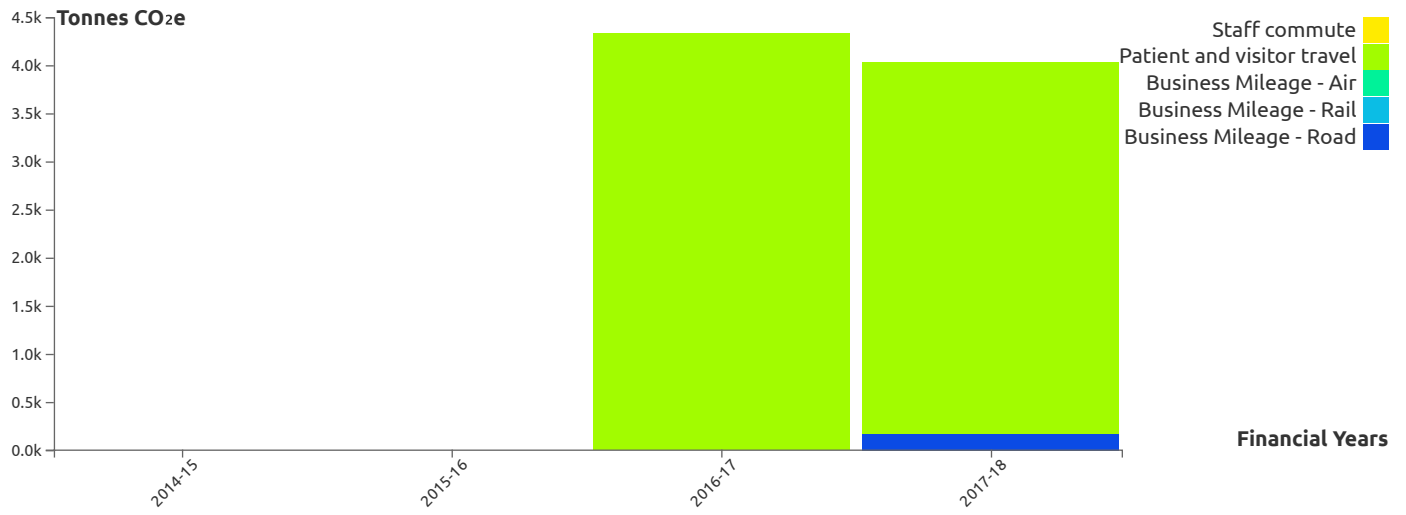
We have used the SDU Health Outcomes of Travel Tool and we have calculated the total economic impact on health and society from travel we control or influence is £845,000 - we have identified the hotspots and will look to reduce these impacts.

### Travel undertaken

All travel is shown in miles.

	2014-15	2015-16	2016-17	2017-18
<b>Patient and visitor travel</b>	0	0	11,989,396	10,847,993
<b>Business travel and fleet</b>	0	0	16	463,845
<b>Staff commute</b>	0	0	0	0
<b>Total</b>	0	0	11,989,412	11,311,838

### Carbon emissions resulting



CO2 Emissions (tCO2e)

	2014-15	2015-16	2016-17	2017-18
<b>Business Mileage - Road</b>	0	0	0	165
<b>Business Mileage - Rail</b>	0	0	0	0
<b>Business Mileage - Air</b>	0	0	0	0
<b>Patient and visitor travel</b>	0	0	4,333	3,865
<b>Staff commute</b>	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>4,333</b>	<b>4,030</b>

Monitoring of mileage has not been recorded in the past, it is hoped that a scheme to reduce business mileage will be introduced in 18/19.

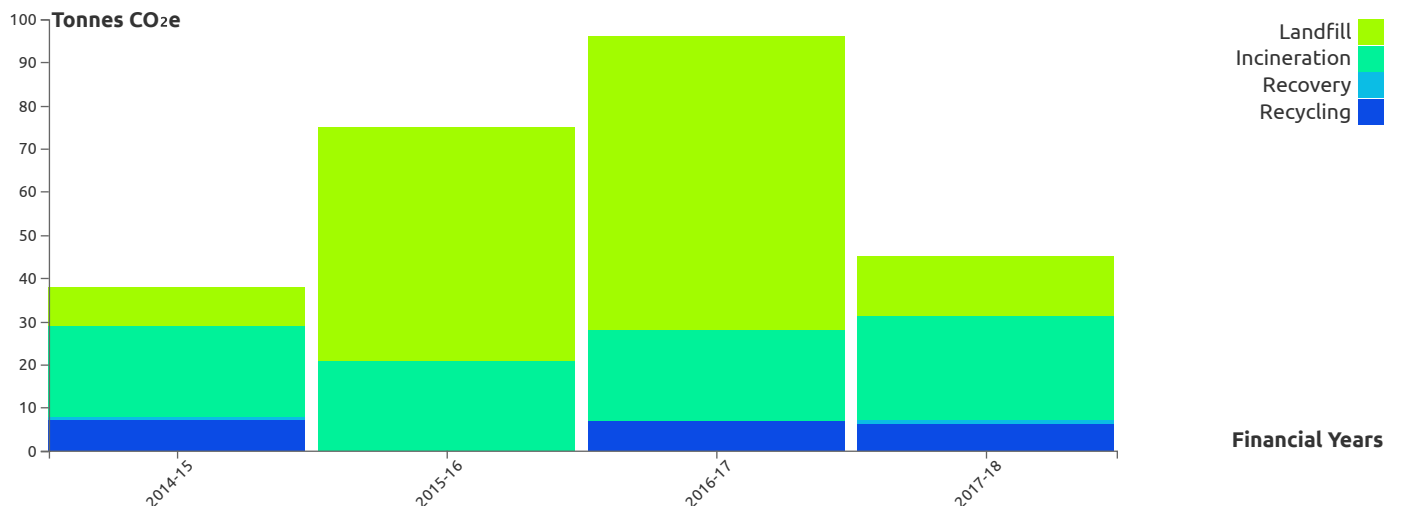
### Waste

#### Waste produced

Waste in tonnes

	2014-15	2015-16	2016-17	2017-18
<b>Waste recycling weight</b>	329	0	335	294
<b>Other recovery weight</b>	51	0	0	65
<b>Incineration disposal weight</b>	97	95	95	110
<b>Landfill disposal weight</b>	36	220	220	41
<b>Total</b>	<b>513</b>	<b>315</b>	<b>650</b>	<b>510</b>

#### Carbon emissions resulting



CO<sub>2</sub> Emissions (tCO<sub>2</sub>e)

	2014-15	2015-16	2016-17	2017-18
<b>Recycling</b>	7	0	7	6
<b>Recovery</b>	1	0	0	1
<b>Incineration</b>	21	21	21	24
<b>Landfill</b>	9	54	68	14
<b>Total</b>	38	75	96	45

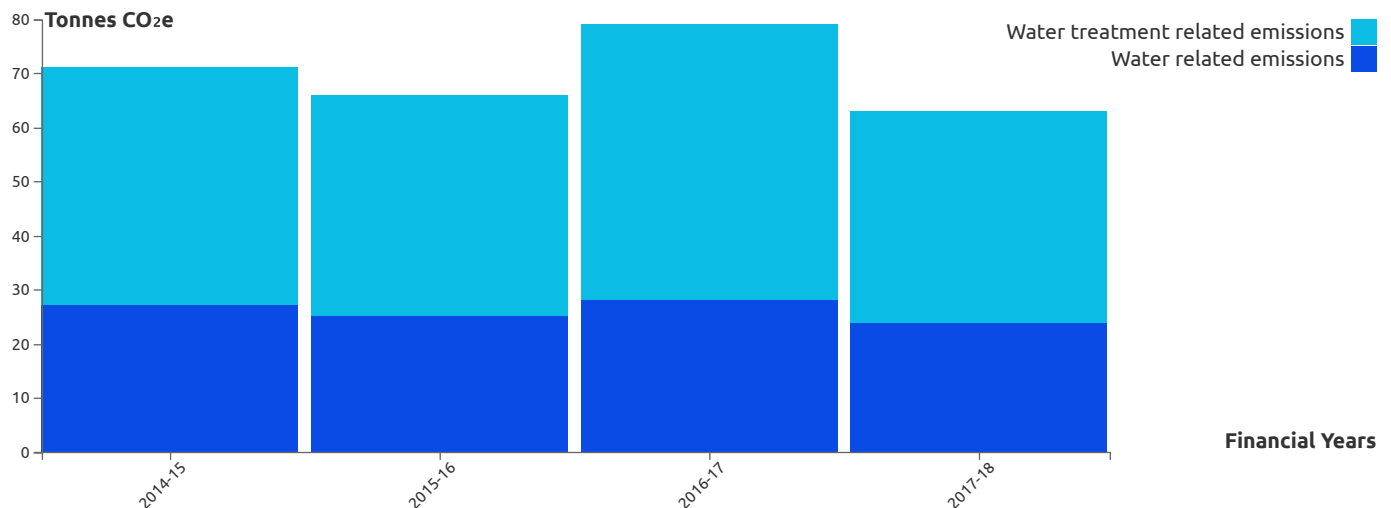
Please click to insert a commentary on your performance in this area.

Please insert a commentary on contextual information e.g. projects, initiatives etc. related to this area.

### Finite resource use - Water

	2014-15	2015-16	2016-17	2017-18
<b>Water volume (m<sup>3</sup>)</b>	77,128	72,479	80,148	68,610
<b>Waste water volume (m<sup>3</sup>)</b>	61,702	57,983	71,377	54,888
<b>Water and sewage cost (£)</b>	189,767	176,314	201,891	214,806

### Carbon emissions resulting

CO<sub>2</sub> Emissions (tCO<sub>2</sub>e)

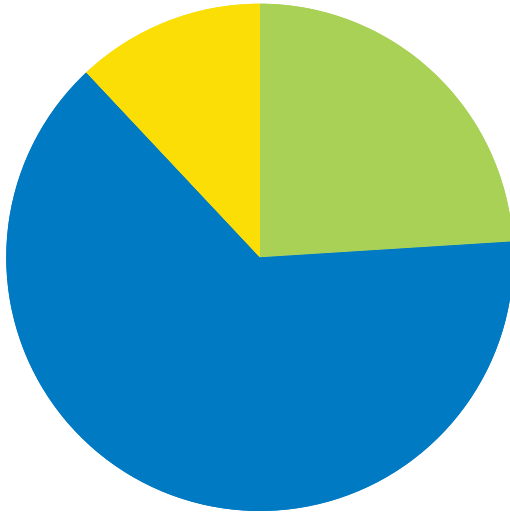
	2014-15	2015-16	2016-17	2017-18
<b>Water related emissions</b>	27	25	28	24
<b>Water treatment related emissions</b>	44	41	51	39
<b>Total</b>	71	66	79	63

Please click to insert a commentary on your performance in this area.

Please insert a commentary on contextual information e.g. projects, initiatives etc. related to this area.

### Modelled Carbon Footprint

The information provided in the previous sections of this sustainability report uses the ERIC returns as its data source. However, we are aware that this does not reflect our entire carbon footprint. Therefore, the following information estimates the impact of our supply chain from our spend. More information available here: <http://www.sduhealth.org.uk/policy-strategy/reporting/nhs-carbon-footprint.aspx> (<http://www.sduhealth.org.uk/policy-strategy/reporting/nhs-carbon-footprint.aspx>)



The values in the table below are percentages.

	<b>2017-18</b>
<b>Core emissions</b>	24
<b>Commissioning</b>	0
<b>Procurement</b>	64
<b>Community</b>	12
<b>Total</b>	100

## E-Class Procurement Profile

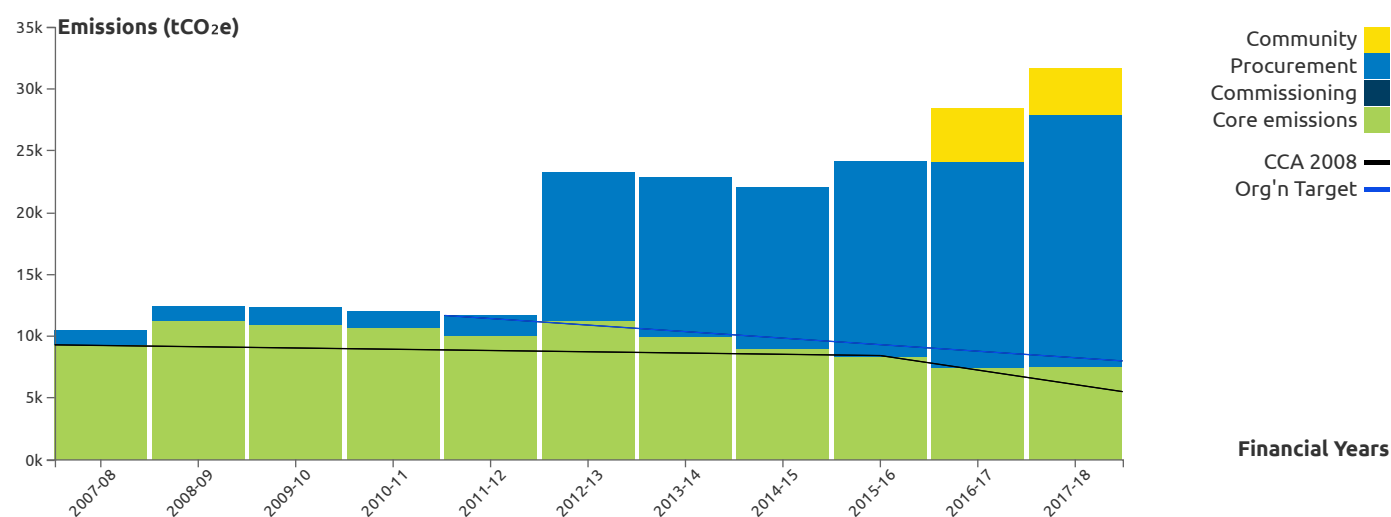
Calculated from operating expenditure of £167,000,000

	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>
<b>Patient and visitor travel</b>	0	0	4,333	3,865
<b>Staff commute</b>	0	0	0	0
<b>Provisions - Food &amp; Catering</b>	34	667	177	216
<b>Staff Clothing</b>	37	35	47	39
<b>Patients Clothing &amp; Footwear</b>	17	18	22	17
<b>Pharmaceuticals Blood Products &amp; Medical Gases</b>	50	25	28	55
<b>Dressings</b>	1,263	736	74	517
<b>Medical &amp; Surgical Equipment</b>	2,292	2,239	2,068	1,959
<b>Patients Appliances</b>	821	2,025	1,719	1,987
<b>Chemicals &amp; Reagents</b>	426	1,507	793	783
<b>Dental &amp; Optical Equipment</b>	32	164	24	14
<b>Diagnostic Imaging &amp; Radiotherapy Equipment &amp; Services</b>	22	60	63	220
<b>Laboratory Equipment &amp; Services</b>	338	668	1,139	1,490
<b>Hotel Services Equipment Materials &amp; Services</b>	197	334	200	2,262
<b>Building &amp; Engineering Products &amp; Services</b>	3,184	2,275	4,626	3,278
<b>Purchased Healthcare</b>	0	11	34	2
<b>Gardening &amp; Farming</b>	19	21	67	21
<b>Furniture Fittings</b>	442	132	63	327
<b>Hardware &amp; Crockery</b>	5	8	6	4
<b>Bedding Linen &amp; Textiles</b>	64	58	55	46

	2014-15	2015-16	2016-17	2017-18
Office Equipment Telecomms Computers & Stationery	1,957	708	1,741	1,542
Recreational Equipment & Souvenirs	7	88	71	28
Staff & Patient Consulting Services & Expenses	0	2,287	2,001	3,718
Coal	0	0	0	0
Electricity (net of any exports)	2,382	587	565	520
Gas	4,749	5,780	5,176	5,556
Oil	0	0	0	40
Thermal energy (net of any exports)	0	0	0	0
Leased Assets Energy Use (Upstream - Gas, Coal & Electricity)	0	0	0	0
Business travel and fleet	0	0	0	165
Anaesthetic Gases	1,706	1,801	1,522	1,175
Waste and Water	109	0	175	109
Commissioning	0	11	34	2
<b>Total</b>	<b>20,153</b>	<b>22,245</b>	<b>26,823</b>	<b>29,957</b>

## Carbon emissions progress

Please click to insert a commentary on your performance in this area.



	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
<b>Core emissions</b>	9,278	11,201	10,836	10,628	10,063	11,222	9,864	8,946	8,308	7,438	7,565
<b>Commissioning</b>	0	0	0	0	0	0	5	0	11	34	2
<b>Procurement</b>	1,119	1,245	1,435	1,291	1,621	12,014	12,906	13,111	15,795	16,593	20,256
<b>Community</b>	0	0	0	0	0	0	0	0	0	4,333	3,865
<b>Total</b>	<b>10,397</b>	<b>12,446</b>	<b>12,271</b>	<b>11,919</b>	<b>11,684</b>	<b>23,236</b>	<b>22,775</b>	<b>22,057</b>	<b>24,114</b>	<b>28,398</b>	<b>31,688</b>

## Adaptation

Events such as heatwaves, cold snaps and flooding are expected to increase as a result of climate change. To ensure that our services continue to meet the needs of our local population during such events we have developed and implemented a number of policies and protocols in partnership with other local agencies these include:

## Biodiversity Action Plan

At Airedale we encourage wards, teams and organisations to adopt a courtyard and create green spaces for the enjoyment of staff, patients and visitors. This improves the access to green space and also encourages team building and gardening, many positive comments have been received regarding this project. The gardening team have also created a wildlife walk around the gardens and staff frequently use the green space and enjoy the wonderful views at Airedale NHS Foundation Trust.