

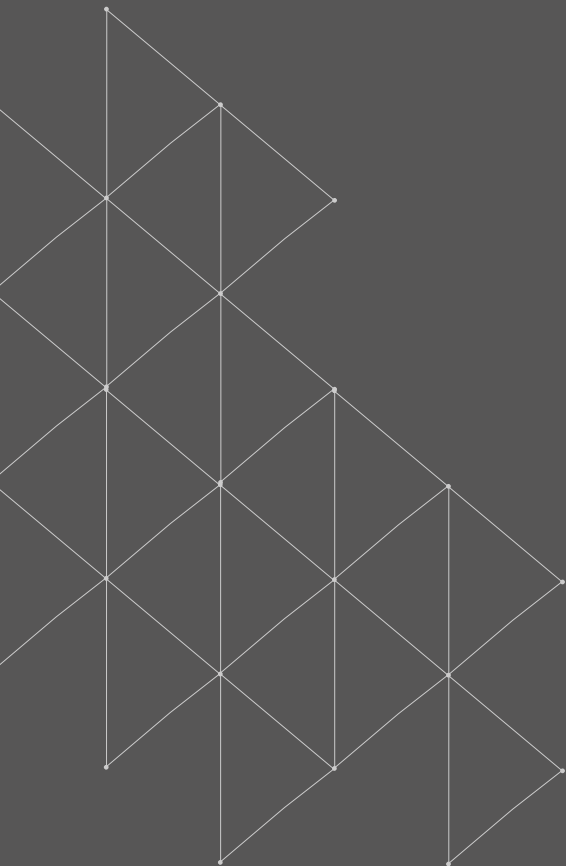
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# Environmental and Sustainability

# 2017-18

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DATA



## Greenhouse gas emissions

		2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
<b>Non-financial indicators</b>	Total gross emissions for scopes 1 and 2	1,686	1,516	1,408	1,357	1,585	1,525	1,481	1,157
	Total net emissions for scopes 1	0.4	0.4	0.4	0.4	0.4	1.1	1.6	1.2
	Total net emissions for scopes 2	1,686	1,516	1,408	1,357	1,584	1,523	1,480	1,156
	Gross emissions scope 3 – business travel	726	663	589	597	496	422	332	323
<b>Related energy consumption (kWh)</b>	Electricity: non-renewable	3,011,414	2,924,112	2,679,575	2,629,114	2,779,913	210,875	297,148	293,901
	Electricity: renewable	314,160	305,748	273,545	273,886	289,732	2,928,051	3,079,366	2,782,799
	Gas	388,832	297,899	314,210	346,976	348,004	393,733	480,065	404,798
<b>Financial Indicators (£000)</b>	Expenditure on energy	387	418	407	555	524	589	609	565
	Expenditure on electricity	362	403	371	465	473	525	535	518
	Expenditure on gas <sup>1</sup>	25	15	36	90	51	64	74	47
	CRC licence expenditure								
	CRC income from recycling payments								
	Expenditure on accredited offsets								
	Expenditure on official business travel (excluding accommodation costs and subsistence)	930	797	781	897	748	690	660	693

The NAO does not participate in these schemes due to the low value of CO<sub>2</sub> emissions.

### Note

1 This does not include Newcastle Office gas expenditure as it is included in the service charge.

# Greenhouse gas emissions *continued*

## **Data Collection Methodologies**

This data is not weather adjusted.

In 2015-16 our carbon footprint was restated for all years in order to account for material changes to the conversion factors provided by Defra for company reporting purposes.

## **London Office data – Scope 1 and 2**

Calculated using first hand data retrieved from the Office's building management system.

The data does not include the scope 2 emissions produced by NAO tenants.

Tenants' electricity consumptions is calculated based upon their metered supply.

Gas is metered at its point of entry into the building and so the tenants' consumption is estimated based on the floor space they occupy.

In 2015-16 we moved to a 100% renewable electricity contract for our London office.

## **Newcastle Office data – Scope 2**

The NAO's Landlord in Newcastle can only provide data for scope 2 emissions.

As in London, electricity is metered on to the office floor but gas is calculated as a percentage of occupied space.

## **Scope 3**

Scope 3 emissions from the NAO's business travel are calculated by the NAO's travel management company and a report is provided on a quarterly basis.

# Waste

		2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
<b>Non-financial indicators (tonnes)</b>									
<b>Total waste</b>			127.4	126.8	123	134.1	151.5	124.8	117.5
<b>Hazardous waste total</b>			0.8	1.0	1.0	1.0	1.0	1.0	0.5
<b>Non-hazardous waste</b>									
	Landfill	Not available	0	0	0	0	0	0	0
	Reused/recycled		111.2	121.8	116.1	129.1	148.9	122.9	116.5
	Incinerated/energy re used		17	5	6.9	4	1.5	1.8	0.5
<b>Financial Indicators (£000)</b>									
<b>Total disposal cost</b>		39	39.8	30.9	32.1	37	43.9	43.7	35.2
<b>Hazardous waste – total disposal cost</b>			0.5	0.5	1	1	1.2	1.0	1.2
<b>Non-hazardous waste – total disposal cost</b>									
	Landfill	Not available	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	Reused/recycled		21.2	16.5	31.1	36	42.7	42.7	34
	Incinerated/energy reused		18.1	13.9	Nil	Nil	Nil	Nil	Nil

## Data Collection Methodologies

### London Office waste data

The waste data above includes waste generated by NAO tenants.

Waste disposal is outsourced to Mitie Waste and Environmental. Monthly reports detailing the weight of generated waste and a breakdown of waste by type are provided.

### Newcastle Office waste data

The Landlord provides a general waste disposal service as part the lease's service contract and does not provide data on general waste.

Disposal of all recycled waste is outsourced to Mitie Waste and Environmental. Monthly reports detailing the weight of generated waste and a breakdown by type are provided.

# Water

		2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
<b>Finite Resource Consumption – Water</b>									
<b>Non-financial indicators (m3)</b>									
<b>Water consumption</b>	Supplied	7,038	7,172	5,520	6,794	6,093	6,388	6,107	6,195
	Abstracted	–	–	–	–	–	–	–	–
<b>Financial Indicators (£000)</b>									
<b>Water supply costs<sup>1</sup></b>		17.6	15.4	16.7	16.9	15.8	16.5	14.9	16.8

## Note

1 This does not include Newcastle Office water expenditure as it is included in the service charge.

## Data Collection Methodologies

### London Office data

Water consumption is calculated using data retrieved from the Office's building management system. However, there are no separate meters for sublet space so water consumption includes tenant consumption.

### Newcastle Office data

As in London, water is metered into the building but not on to the office floor. For this office, consumption is calculated as a percentage of occupied space.