



National Audit Office

ENVIRONMENT AND SUSTAINABILITY 2016-17

DATA

Greenhouse gas emissions

		2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
Non-financial indicators (CO2e in tonnes)	Net emissions for plant and equipment (scope 1)	0.4	0.4	0.4	0.4	0.4	1.1	1.6
	Net emissions for purchased energy (scope 2)	1,686	1,516	1,408	1,357	1,583	1,523	1,480
	Total gross emissions for scope 1 and 2	1,686	1,517	1,408	1,357	1,584	1,525	1,481
	Gross emissions scope 3 – business travel	726	663	589	597	496	422	332
Related energy consumption (kWh)	Electricity: non-renewable	3,011,414	2,924,112	2,679,575	2,629,114	2,779,913	210,875	297,148
	Electricity: renewable	314,160	305,748	273,545	273,886	289,732	2,928,051	3,079,366
	Gas	388,532	297,899	314,210	346,976	348,004	393,733	480,065
Financial Indicators (£000)	Expenditure on energy	387	418	407	555	524	589	609
	Expenditure on electricity	362	403	371	465	473	525	535
	Expenditure on gas ¹	25	15	36	90	51	64	74
	Expenditure on official business travel (excluding accommodation costs and subsistence)	930	797	781	897	748	690	660

Note

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

Data collection methodologies.

These data are 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 consumption 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
Non-financial indicators (tonnes) total waste		Not available	127.4	126.8	123	134.1	150.4	124.7
Hazardous waste total			1.0	1.0	1.0	1.0	1.0	1.0
Non-hazardous waste total	Landfill		0	0	0	0	0	0
	Reused/recycled		109.4	120.8	115.1	129.1	148.9	122.9
	Incinerated/ energy reused		17.0	5.0	6.9	4.0	1.5	1.8
Financial Indicators (£000)								
Total disposal cost		39.0	39.8	30.9	32.1	37.0	43.9	43.7
Hazardous waste – total disposal cost		Not available	0.5	0.5	1.0	1.0	1.2	1.0
Non-hazardous waste – total disposal cost	Landfill		0	0	0	0	0	0
	Reused/recycled		21.2	16.5	31.1	36.0	42.7	42.7
	Incinerated/ energy reused		18.1	13.9	0	0	0	0

Note

1 Data collection methodologies

London office waste data

The waste data above include 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 of 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
Finite resource consumption – Water								
Non-financial indicators (m3)								
Water consumption	Supplied	7,038	7,172	5,520	6,794	6,093	6,388	6,107
	Abstracted	0	0	0	0	0	0	0
Financial Indicators (£000)								
Water supply costs ¹		17.6	15.4	16.7	16.9	15.8	16.5	TBC

Note

2 This does not include Newcastle office water expenditure, as it is included in the service charge.

Data collection methodologies

London office water data

Water consumption is calculated using data retrieved from the Office's building management system.

However, there are no separate meters for sub-let space so water consumption includes tenant consumption and the calculation of the target ratio is based upon the number of building users (both NAO and tenant full-time equivalent).

Newcastle office water 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.

As these data are provided by a third party, the NAO audits accuracy by requesting copies of utility bills.
