



SQA Sustainability Report 2011-12

The environmental data and financial costs in this report have been established in accordance with the Government's sustainability strategy. This strategy encourages both private and public organisations to disclose their sustainability and environmental performance in their annual public reports.

Performance Commentary and Targets

SQA has a target to reduce total CO₂ output by 20% by 2014. This is based on our baseline total for 2009/10. It is planned that the total CO₂ is reduced by an average of 4% year on year to achieve this target. The actual figures show an early increase in CO₂ during the year 2010/11 followed by decreasing totals as the projects in our Environmental Plan were instigated.

The current reduction at the end of financial year 2011/12 is 28% and the expectation is that the 2013/14 target reduction will be met or exceeded.

Summary Performance Table 2011/12

Area	Actual Figure	Target Performance
CO ₂ emissions	3,486 tonnes	3,513 tonnes
Total waste expenditure	£26,658	No target currently
Water consumption	5,700 m ³	4,900 m ³
Water expenditure	£40,218	No target currently
Total energy consumption	4,255,722 kWh	4,326,854 kWh
Total energy expenditure	£420,112	No target currently

Direct Impacts

One of the criteria which had an impact on the choice of location for the new East of Scotland SQA offices was its proximity to a major Park and Ride facility. A Green Travel Plan has been developed and links established with SEStran. This encourages both staff and visitors to use the excellent public transport links.

Moving from our aged East of Scotland offices at the end of 2011 to a new highly efficient building will contribute greatly in reducing our energy costs and related CO₂ output.

The building has a BREEAM rating of excellent and an EPC rating of B. Both of these are expected to contribute greatly to reducing our expenditure on energy and our CO₂ output.

Changing our fleet vehicles to more environmentally efficient models, including hybrid has had the effect of reducing our fleet vehicle total CO₂ output. We are currently evaluating an all-electric vehicle in conjunction with Jewel & Esk College.

Indirect Impacts

Things which fall outside our footprint accounting boundaries include commuting staff, and emissions generated by our supply chain including our mail, both outgoing and incoming.

Our registered fleet drivers have recently undertaken environmental and economical driving training organised through the Energy Saving Trust.

Biodiversity

The new Shawfair site has been planted with a variety of hedging, shrubs and trees. There is also a dedicated wildlife area within Shawfair Park, which includes a small loch.

Carbon dioxide emissions - Tonnes

Gross Emissions	2009/10	2010/11	2011/12
Electricity	1,448	1,554	1,285
Natural Gas	500	521	332
Business Travel	2,445	2,786	1,851
Total Tonnes	4,393	4,861	3,468

Power usage/kWh

kWh			
Electricity	2,740,950	2,803,288	2,539,849
Natural Gas	2,667,618	2,821,330	1,715,873

Water consumption m³

Water m ³			
Water Consumption	13,208	5,756	5,700
Consumption per employee	18.87	8.22	8.14

Waste/kg

Waste kg			
Recycled	237,635	215,003	212,975
Landfill	45,053	44,382	41,662

Energy expenditure

Expenditure £			
Electricity	274,128	249,415	254,031
Natural Gas	200,575	183,197	166,081
Business Travel	Unknown	773,740	722,317
Water	56,673	57,826	58,826
Waste	11,832	21,074	26,658



