

Report To:	Safe, Sustainable Communities Committee	Date: 3 May 2011
Report By:	Head of Regeneration and Planning	Report No: R&E/SSC/KB/ 023
Contact Office	rs: Stuart W. Jamieson	Contact No: 2402
Subject: A	udit Scotland Performance Audit Study:	Improving Energy Efficiency –

1.0 PURPOSE

1.1 The purpose of this report is to advise the Committee of the action taken by the Council in response to Audit Scotland's report entitled "Improving energy efficiency – a follow-up report".

2.0 SUMMARY

- 2.1 In 2010, the Council took part in an Audit Scotland survey on improving energy efficiency. A APPENDIX copy of our response is attached as Appendix 1.
- 2.2 The survey contained a range of questions on the following key areas:
 - Energy consumption and costs;

A Follow-Up Report

- Energy strategy and action plan;
- Monitoring and reporting energy performance;
- Promoting the improvement of energy efficiency; and
- The Carbon Reduction Commitment Energy Efficiency Scheme.
- 2.3 The survey's results, issued in a follow-up report in December 2010 and attached as APPENDIX Appendix 2, include a range of recommendations for (the Scottish Government and) the public sector.
- 2.4 The Council is taking action to respond appropriately to the recommendations contained in the report.

3.0 RECOMMENDATIONS

- 3.1 It is recommended that Members:
 - 1. note the Council's response to Audit Scotland's survey and the action taken to date regarding their recommendations; and
 - 2. remit to the Corporate Director, Regeneration and Environment, to continue to progress actions, as appropriate, in response to the findings contained in the follow-up report.

Stuart W. Jamieson Head of Regeneration and Planning

4.0 BACKGROUND

- 4.1 In April 2010, Audit Scotland asked the Council to participate in a performance audit study on improving energy efficiency.
- 4.2 The aim of the study was to "assess progress made against the recommendations in the *Improving energy efficiency* report, and look at changes in public bodies' energy consumption and spending on energy since 2004/05". The study also examined how public bodies were preparing for the introduction of the Carbon Reduction Commitment Energy Efficiency Scheme.

5.0 SUMMARY OF KEY MESSAGES FROM THE SURVEY

- 5.1 Audit Scotland's final report contained a number of key messages which are outlined below, together with the Council's commentary:
- 5.1.1 Between 2006/07 and 2008/09, there was little change in the public sector's energy use, but its spending on energy increased by 21 per cent. In a time of increasing financial pressures for the public sector and predicted future rises in energy prices, reducing energy use is of key importance.

Commentary: It can be seen from our response to Question 1 of the survey that consumption on gas and electricity increased by 2.5% and 18% respectively between 2007/08 and 2008/09. During the same period, spend on gas and electricity increased by 2.5% and 29% respectively. However, in our schools, the combination of more efficient systems and the closure of buildings led to a reduction in energy use: between 2007/08 and 2008/09, schools' use of gas and electricity reduced by 4% and 6% respectively.

5.1.2 Scotland has ambitious targets to reduce greenhouse gas emissions and public bodies are adopting a more strategic approach to improving energy efficiency. However, the public sector as a whole is not yet reducing emissions at sufficient pace to set a good example or influence others, and future budget reductions may affect the level of investment available to achieve further improvement. The Scottish Government is taking action to help the public sector improve energy efficiency, but progress has been slow and the impact of this activity is not yet clear.

Commentary: The Council devised its flagship environmental policy - Green Charter - in 2009 with the aims of reducing energy and waste and promoting the sustainable use of resources in the Council and across the community. A Green Charter Officer/Member Working Group was set up to oversee the implementation of the Charter. The Group subsequently agreed to also act as the Delivery Group for Single Outcome Agreement Outcome 8: Environment. The Green Charter Action Plan was approved by the Safe, Sustainable Communities Committee in August 2010.

Min. Ref. 31.8.10 Para. 474

5.1.3 On the seven point scale used to show the energy performance of buildings, over 70 per cent of large public buildings are rated in the poorest three levels. Only four per cent are rated in the top two levels.

Commentary: At the time of the survey (May 2010), 85 Council buildings had an Energy Performance Certificate (EPC) with no properties achieving the most energy efficient "A rating". However, by April 2011, our EPC performance had improved with almost a fifth of the buildings surveyed achieving one of the top three ratings.

	No. of EPCs May 2010	No. of EPCs April 2011
A rating (most energy efficient)		3%
B rating		2%
C rating	15%	14%
D rating	27%	25%
E rating	29%	29%
F rating	11%	9%
G rating (least energy efficient)	18%	17%

5.1.4 The Carbon Reduction Commitment Energy Efficiency Scheme has raised the profile of energy efficiency, and over half of public bodies are well prepared for involvement in it. Reducing energy use will help public bodies reduce the costs associated with the Scheme.

Commentary: The Corporate Management Team considered a report on the Scheme at its meeting on 23 October 2009. Reports on the Scheme were also submitted to the 31 August 2010 and 26 October 2010 meetings of the Safe, Sustainable Communities Committee.

Min. Ref. 31.8.10 Para. 475 & 26.10.10 Para 633

6.0 RECOMMENDATIONS FROM THE SURVEY

6.1 Audit Scotland's final report contained a number of recommendations which are outlined below, together with the Council's response:

6.1.1 Part 1 – Energy use

Audit Scotland recommendation:

 public bodies should strengthen the contribution they make to reducing emissions and increase the pace of change.

Commentary: The Council has recently increased the resources of its Green Charter Unit by creating the post of Carbon Reduction Officer. This will allow the Council to further develop, implement, monitor and evaluate its Carbon Management Plan which contains a number of projects and initiatives which aim to reduce the local authority's emissions.

While the Council has made progress in addressing many of the actions in its original Carbon Management Plan, we now need to focus on delivering the remaining carbon reductions and reach our final goal. To help us achieve this, we secured a place on the Carbon Trust's Carbon Management Revisited Programme, beginning in September 2010. The Programme assists us to review our existing Carbon Management Plan and revise it, taking into consideration developments in policy and legislation since the Plan was launched. In particular, we are considering our commitments under the Climate Change (Scotland) Act 2009.

With specialist support from the Carbon Trust, we aim to:

- review the current projects in our original Carbon Management Plan to assess their progress and identify if they will deliver our carbon reduction target;
- identify additional projects to meet any shortfall in our carbon reduction targets;
- review our current data management processes;
- run a series of workshops and seminars on carbon management assessment and embedding carbon management across the Council; and
- develop a new Carbon Management Plan for the Council.

On completion of the Revisited Programme, the Council will have developed a Carbon Management Plan 2011/16.

6.1.2 Part 2 – Improving energy efficiency

Public bodies should:

- work with the Scottish Government to implement the actions relevant to the public sector in the Energy Efficiency Action Plan, and report progress to senior management
- ensure they have systems in place to collect accurate data on transport use and resulting CO2 emissions
- build energy efficiency considerations into asset management and estate rationalisation decisions, involving energy officers or teams wherever possible.

Commentary: The new Carbon Management Plan will be presented to the Corporate Management Team and to the Safe, Sustainable Communities Committee for approval following the summer recess. Thereafter, bi-annual progress reports will be submitted to Committee.

The Council recognises that its data collection and management processes could be enhanced and steps are currently being taken to identify improvements.

The Council is rationalising its operational property estate, reducing the number of old, energy-inefficient buildings and consolidating into a much reduced number of modern or refurbished, more energy-efficient buildings. An example of how energy efficiency considerations are incorporated into asset management and estate rationalisation decisions is our School Estate Management Plan. The Council is committed (through the briefing process) to procuring new or refurbished school buildings that are appraised against current sustainability best practice, legislation and policy to ensure that we are reducing buildings' emissions as far as possible and in line with any whole life emissions management plan. Our PPP project, which is currently in progress with two primary schools operational from February 2010 and two secondary schools planned to open in May 2011, was supported by the Carbon Trust which resulted in the building designs significantly improving on building regulations.

6.1.3 Part 3: The Carbon Reduction Commitment Energy Efficiency Scheme

The Scottish Government and public bodies should:

 build the Carbon Reduction Commitment Scheme into their internal audit arrangements, to provide additional assurance to the Scottish Environment Protection Agency's five-yearly external audit.

Commentary: The Green Charter Unit is currently compiling two reports which require to be submitted to Scottish Environment Protection Agency who are the regulators of the Scheme in Scotland. It is proposed that the Council's Chief Internal Auditor is requested to review the contents of the reports prior to their submission by the 29 July 2011 deadline.

7.0 IMPLICATIONS

7.1 Action taken in respect of environmental initiatives is a priority of the Community Plan 2008/18, the Single Outcome Agreement 2009/11 within Outcome 8: Environment and the Corporate Plan 2007/11 within Strategic Outcome 3: Safe, Sustainable Communities.

8.0 CONSULTATION

8.1 The Head of Property Assets and Facilities Management has been consulted regarding the content of this report.

9.0 CONCLUSION

9.1 The Committee is asked to note the Council's response to Audit Scotland's survey and the action taken in response to their recommendations. Members are also asked to remit it to the Corporate Director, Regeneration and Environment, to continue to progress actions, as appropriate, in response to the findings contained in the follow-up report.

	UDIT SCOTLAND
	Improving Energy Efficiency: follow up
	Main Menu
	Instructions
	Sign Off Sheet
Section 1:-	Energy Consumption and Costs
Section 2:-	Energy Strategy and Action Plan
Section 3:-	Monitoring and Reporting Energy Performance
Section 4:-	Promoting the Improvement of Energy Efficiency
Section 5:-	CRC Energy Efficiency Scheme

Improving Energy Efficiency: follow up

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Public Sector Survey and Data Collection

Introduction

In December 2008, Audit Scotland published a report on Improving energy efficiency which examined how the public sector was Improving energy efficiency in its estate and transport fleet. A commitment was made to the Scottish Parliament's Public Audit Committee to follow up the report within two years.

Audit Scotland is now undertaking a follow-up study, to assess how the public sector is implementing the recommendations in the Improving energy efficiency report. The study will also examine how prepared participating public bodies are for the CRC Energy Efficiency Scheme.

An Important element of this study is gathering up-to-date information from all councils, NHS bodies and other public bodies. We have prepared this survey to gather Information that is not currently available from other sources. This survey will help provide an update on energy efficiency activity across the public sector in Scotland since March 2008 (when data was collected for the original *Improving energy efficiency* report).

Completing the survey

Moving about the questionnaire The survey comprises of five sections:

- 1. Energy consumption and costs
- 2. Strategies and action plans 3. Monitoring and reporting 4. Promotion of energy efficiency 5. CRC Energy Efficiency Scheme

Each part of the survey is presented on a separate worksheet. You can move between these sections using the 'Menu' page. To access the menu simply click on the 'Return to Menu' button in the top right hand corner of each worksheet.

Answering the questions

To reduce the time taken to complete the survey, we have provided multiple choice answers wherever possible. Although there are 60 questions in the survey, 34 of them are simple yes / no questions and a further 14 can be answered using pre-defined options from a drop down menu. Only twelve questions require you to enter numerical or text answers. In all cases, the cells have been set to the correct format.

The pre-defined options can be viewed by clicking on the question's answer cell, then clicking on the arrow that appears at the right of the cell. The relevant option can be selected by moving the cursor over the options until the option you require is shaded in blue, and then clicking on it with the left mouse button. Hitting the 'return' button or moving onto the next cell will leave the option in the cell – If you need to change an answer this can be easily done by repeating the process again and selecting a different option.

When filling in the survey, you can move between answer boxes by using the tab key on the keyboard or clicking in the answer boxes using the mouse.

Please try to answer as many questions as possible. Most questions offer a 'don't know' or 'not applicable' option, which can be chosen where appropriate.

Data from 2008

For some of the questions in the survey, you may see the following two boxes:

2008	2010
Yes/No	Yes/No

If your organisation participated in the survey for the original *Improving energy efficiency* study in February / March 2008, the box marked '2008' will be completed with the response you submitted in that survey. If this box has been completed, then you only need to provide an answer in the '2010' box. If the response in the '2008' box is not accurate, please amend it as necessary and make a note that you have amended it in the text box at the bottom of the appropriate section of the survey.

If your organisation <u>did not</u> participate in the original survey, then the box marked '2008' will be blank. If the box is blank, where possible we would appreciate it if you could provide a response to the question to reflect your organisation's circumstances in March 2008, as well as completing the '2010' box.

Submitting the survey

Before you submit the survey please complete the Sign Off Sheet which can be accessed from the Menu page.

Please complete the survey and return it to the Audit Scotland study team (energy_efficiency@audit-scotland.gov.uk) no later than Friday 14th May 2010.

If you have any queries on the content of the survey please contact Rebecca Seidel (rseidel@audit-scotland.gov.uk or 0131 625 1873) or Gareth Dixon (gdixon@audit-scotland.gov.uk or 0131 625 1879).

Ready to begin

To start completing the survey, simply click on the 'Go to Menu' link in the top right hand corner of this page.

Your assistance with this survey is greatly appreciated.

Thank you.

Improving Energy Efficiency: follow up

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Organisation	Inverclyde Council
Lead Contact	Joe Lynch
Job Title	Head of Property Assets and Facilities Management
Email	joe.lynch@inverclyde.gov.uk
	01475 712456
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	Section 2 - Energy Strategy and Action Plan		Return to Menu
Ener	gy strategy		
Q4	Does your organisation's corporate plan include objectives or targets to impenergy efficiency?	prove Yes/No Yes	
Q5	Does your organisation have a formally agreed specific strategy to improve energy efficiency (this may be included in a wider environmental policy)?	2008 2010 Yes/No Yes/No Yes	
Q6	What year was the most recent strategy to improve energy efficiency approv	select from list ved? 2009	
Q7	Which group of people or individual had final sign off / approval of the strategy to improve energy efficiency?	select from list Board / Council Committee	
	If selected individual or other, please state their job title in box provided:		
Q8	At least how often is the strategy to improve energy efficiency revised?	select from list	
Q9	Which group of people or individual is responsible for implementing the strategy at a strategic level?	select from list Board / Council Committee	
	If selected individual or other, please state their job title in box provided:	Per the Carbon Management Action Plan	
Q10	Which group of people or individual is responsible for implementing the strategy at an operational level (please state job title)?	Per the Carbon Management Action Plan	
Ene	gy action plan		
Q11	Does your organisation have a formally agreed specific action plan to improve energy efficiency?	2008 2010 Yes/No Yes/No	
	(I.e. a plan outlining how objectives and targets to improve energy efficiency will be achieved, who is responsible for taking the actions forward, and the timescales for action)	Yes	
Q12	Is the energy action plan linked to your organisation's strategy to improve energy efficiency?	Yes/No Yes	
Q13	When was the most recent action plan approved?	select from list 2009	
Q14	Which group of people or individual had final sign off / approval of	select from list Board / Council Committee	
	If selected individual or other, please state their job title in box provided:		
Q15	At least how often is the energy action plan revised?	select from list	
Q16	Which group or individual is responsible for implementing the action plan (please state job title)?		
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Q21 Does your organisation gather its own meter readings for energy management purposes? Yes/to Q22 How often is energy performance reported to the following different audiences? Management team select from list Board / Council committee select from list Board / Council committee select from list Other The public Please specify other, below Not at present Q23 Please complete the table below to show the kind of information reported to different audiences by selecting "Yes or No" in the grid where applicable Xmanagement team Management team No" in the grid where applicable Xmanagement team Management team No" in the grid where applicable Xmanagement team Management team Yes/Yo Yes or No" No in the grid where applicable Management team Management team No No No No No No No No No No No No in the grid where applicable No No No Management team Seard / Council		If yes, approximate	y what percent	age of meters a	are automated			
Maragement team	Q21		eadings for ener	rgy	Yes/No]	Yes/No	
Management team All staff Board / Council committee select from list Other The public Please specify other, below Not at present O23 Please complete the table below to show the kind of information reported to different audiences by selecting "Yes or No" in the grid where applicable O24 Please complete the table below to show the kind of information reported to different audiences by selecting "Yes or No" in the grid where applicable Total energy consumption No No No Total energy consumption No No No No Energy consumption by type or trends No No No No Other, if needed please use boxes below: Other Other Other Other Other, if needed please use boxes below: Other Other Other Other Other Description No No No No No No No Other, if needed please use boxes below: Other Other Other Other Other Other Yes/No Yes/No Yes/No Yes/No Yes/No Yes/No Yes/No Yes/No <td>Q22</td> <td>How often is energy performance reported to t</td> <td>he following diff</td> <td>ferent audienc</td> <td>es?</td> <td></td> <td></td> <td></td>	Q22	How often is energy performance reported to t	he following diff	ferent audienc	es?			
Board / Council committee The public Other Select from list Please specify other, below Not at present Q23 Please complete the table below to show the kind of information reported to different audiences by selecting "Yes or No" in the grid where applicable Management Board / Council All staff The public Other Management Council Council Council All staff The public Total energy consumption No No No No Total energy spend / cost No No No No Actions taken to improve energy efficiency No No No No Actions required to improve energy efficiency No No No No Other, if needed please use boxes below: - - - - Yes/No Yes/No Yes/No Yes/No Yes/No		Management team		Alls	staff]	
Other Please specify other, below Not at present Not at present Q23 Please complete the table below to show the kind of information reported to different audiences by selecting "Yes or No" in the grid where applicable Total energy consumption Management feam Total energy consumption No Total energy cost and consumption by type or trends No No No Energy cost and consumption by type or trends No No No No Actions taken to improve energy efficiency No No Other, if needed please use boxes below:		Board / Council committee		The p]	
Not at present Q23 Please complete the table below to show the kind of information reported to different audiences by selecting "Yes or No" in the grid where applicable Imagement Board / Council All staff The public Other No Total energy consumption No No								
Q23 Please complete the table below to show the kind of information reported to different audiences by selecting "Yes or No" in the grid where applicable Management team Council Council Council All staff The public Other Total energy consumption No No No								
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Management team Council committee All staff The public Other Total energy consumption No No No No No Total energy spend / cost No No No No No Total energy spend / cost No No No No No Energy cost and consumption by type or trends No No No No No Actions taken to improve energy efficiency No No No No No Actions required to improve energy efficiency No No No No No Other, if needed please use boxes below:	Q23		ind of informatio	on reported to	different audi	ences by selec	ting "Yes or	
Total energy spend / cost No No No No No No Energy cost and consumption by type or trends No No No No No No Actions taken to improve energy efficiency No No No No No No Actions required to improve energy efficiency No No No No No Other, if needed please use boxes below:				Council	All staff	The public	Other	
Energy cost and consumption by type or trends No No No No No Actions taken to improve energy efficiency No No No No No No Actions required to improve energy efficiency No No No No No No Other, if needed please use boxes below:				the second se				
Actions taken to improve energy efficiency No No No No No Actions required to improve energy efficiency No No No No No No Other, if needed please use boxes below:								
Actions required to improve energy efficiency No No No No Other, if needed please use boxes below:								
Other, if needed please use boxes below:								
2008 2010 Yes/No Yes/No			No	No	No	No	No	
2008 2010 Yes/No Yes/No		other, if needed please use boxes below:						
2008 2010 Yes/No Yes/No		-		12				
Yes/No Yes/No								
Yes/No Yes/No							A CARDON AND A CARDON AND A	
Yes/No Yes/No								
					2008		2010	
Q24 Has your organisation set its own target(s) for improving energy efficiency Yes - for Yes - for								
	Q24	Has your organisation set its own target(s) for	improving energy	gy efficiency	Yes - for		Yes - for	
across the organisation for buildings / transport fleet? both both		across the organisation for buildings / transpo	rt fleet?		both		both	
If yes, please detail briefly below what the targets are:								
To reduce carbon dioxide emission from energy use in buildings by 15% by 2012/13 and by 5% from fleet transport by 2012/13, from a baseline of 2007/08.						by 5% from flee	t transport by	
							and the state	
	025	Have targets been not for individual build	departmented		2008		2010	
O25 Unite termste been oot for individual to Udings / door to a to a	GZ3	nave targets been set for individual buildings /	departments?		Yes/No		Yes/No	
Q25 Have targets been set for individual buildings / departments? Yes/No Yes/No			and the set of the set		No		No	

	Section 3 – Monite	oring and	Reporting Ene	ergy Performa	ance		Return to Me
ier	rgy Performance Certific	ates					
	Harrison bulletter d						
26	How many buildings form y	our organisat	tion's estate:			mber of buildings	
		Those buildin	igs wholly occupied b	y your organisation'	?	530 mber of buildings	
		Those buildin	igs which are shared v	with other organisat	ions?	mber of buildings	
		Those buildin	igs which are empty a	nd not in use?			
7	Are any buildings in your e	state required	l to display an Energy	Performance Certifi	cate (EPC)?	Yes/No Yes	
	If yes, how many EPCs are	:	Not Started [0	Work in progress	0	
			Completed [85	Displayed	85	
					Total	170	
	Please complete the table t	below to show	the number of buildir	ngs in your estate, a	nd the total condition	ied area,	
	with the following Energy F	Performance C	Certificate ratings:				
		EPC rating	Number of buildings	Conditioned area (m ²)			
		Α					
		В					
		C D	13.0	11,906.0			
		E	23.0 25.0	44,463.0 41,012.0			
		F	9.0	34,418.0			
		G	15.0	35,831.0			
		total	85	167,630			
8	Has your organisation impl Performance Certificates to				Energy	Yes/No No	
	If yes, please outline the ac	tions that hav	ve been taken and wha	it impact there has b	been		
	If yes, please outline the ad	tions that hav	ve been taken and wha	at impact there has b	been		
you	If yes, please outline the ac					w:	
you		mments rela	ating to this sectior	n please use the b d funding has now been	box provided below		
yoı	u have any additional co	mments rela	ating to this section	n please use the b d funding has now been	box provided below		

	Section 4 - Promoting the Improvem	ent of Energ	gy Efficiency		Return to Menu
Res	oonsibility for improving energy efficiency				
Q29	Does your organisation have an officer or team whose include energy management?	responsibilities	2008 Yes/No	2010 Yes/No Yes	I
Q30	What percentage of the officer or team's time is devote management?	d to energy	2008 % of time	2010 % of time 100%	
Q31	Overall have the staff resources allocated to energy ma since March 2008?	anagement chang	ed	select from list Increased	
Q32	Do all staff responsible for energy management have a development in energy related areas?	ccess to training	2008 and Yes/No Yes	2010 Yes/No Yes	
Q33	Have opportunities to access training changed since N	larch 2008?		select from list Increased	
Staf	fawareness				
Q34	Does your organisation have a committee / steering gr representatives from across the organisation, which di relating to energy efficiency?		2008 Yes/No	2010 Yes/No Yes	
Q35	Does your organisation have dedicated 'champions' w to help improve energy efficiency?	ho encourage beh	avioural change ar	nong all staff	
	At Board level	Staff responsible	e for energy manag	ement Yes/No Yes Yes/No	1
	Senior management level		se specify below: the Carbon Manage	Constant and the second second	
			Plan.		
Exte	rnal advice / support				
Q36	Has your organisation sought advice from the Carbon 2008?	Trust since March	2008 Yes/No	2010 Yes/No Yes	
Q37	Has your organisation been through the following:	Carbon Manager	nent Programme	Yes/No Yes	
		Carbon Manager	nent Revisited	Yes/No	
		Carbon Manager	nent Lite	Yes/No No	
Q38	Has your organisation been awarded the Carbon Tru	st Standard?		Yes/No No	
Q39	Has your organisation sought advice from the Energy March 2008?	Saving Trust since	2008 Yes/No Yes	2010 Yes/No No	
Q40	Has your organisation sought any other advice or supp energy efficiency since March 2008?	oort to improve	2008 Yes/No	2010 Yes/No Yes	
	If yes, please state the source of this advice / support:		Inenco (energ	y consultants)	

Return to Menu Section 4 - Promoting the Improvement of Energy Efficiency Procurement Yes/No Q41 Does your organisation's procurement policy state that energy efficiency No should be considered when buying all goods and services? Specifically, does the procurement policy state that energy efficiency 042 should be considered when buying: 2008 2010 Yes/No Yes/No office equipment No No Yes/No Yes/No buildings No No Yes/No Yes/No other machinery No No Yes/No Yes/No vehicles No No **Major Capital Projects** insert number of projects Q43 How many major capital projects has your organisation undertaken since 2004/05 (i.e. projects with a capital cost of at least £5 million)? 2 How many of these projects considered energy efficiency in the purchasing, insert number of projects Q44 planning or design stage? 2 Where appropriate, how was energy efficiency incorporated into the planning or design of these projects? The main criteria was to reduce energy needs by minimising air infiltration and insulating the buildings to better than current Building Standards. Advice and assistance was sought from the Carbon Trust. Other energy saving measures include good daylighting and intelligent lighting i.e. absence/presence detection and light sensors. Q45 Does your organisation have a policy or strategy to ensure energy Yes/No efficiency is considered in the purchasing, planning or design of major Yes capital projects? 2008 2010 Q46 To what extent is the energy officer or team involved in the planning or select from list select from list design of major capital projects? Sometimes If you have any additional comments relating to this section please use the box provided below: ŝ

	Section 5 - CRC Energy Efficiency Scheme	Return to M	lenu
Q47	Did your organisation have at least one half hourly meter (HHM) settled on the half hourly market in 2008?	Yes/No Yes	
If yes	- please move on to the next question		
lf no	- you do not need to complete any more questions in this section of the survey		
Q48	Is your organisation required to participate fully in the CRC Energy Efficiency Scheme (whether individually or as part of a group)? (i.e. its annual electricity supply through all HHM was at least 6,000 MWh in	Yes/No Don't know	
	If no, what was your organisation's annual electricity supply through all HHM in 2008:	select from list Between 3,000 and 6,000 MWh	
	se only answer the following questions if your organisation is participa eme (i.e. you answered yes to Q48).	ting <u>fully</u> in the CRC Energy Efficiency	
Reg	stering and participating in the CRC		
Q49	Has your organisation collated all the information / data required to register as a participant in the CRC?	Yes/No No	
	If no, please explain what information / data is still required and what challenges	you face in collating it	
	Cross-Service CRC Working Group to be set up and roles and responsibilities agreed.		
Q50	Has your organisation identified any changes required in its monitoring or reporting systems, for participation in the CRC?	Yes/No Don't know	
		Yes/No	
	If yes, have these changes been made?	163110	
		select from list	
Q51	When does your organisation plan to have registered for CRC by?	September 2010	
052	Has your organisation begun to compile the following:		
GJE	an evidence pack for the CRC	Yes/No No	
	a footprint report for the CRC	Yes/No	
	a tootprint report for the CKC	No	
Staf	f resources and awareness		
Q53	Who is responsible for implementing the CRC in your organisation (please	ad of Regeneration and Plann	
	state job title)?		
Q54	Have any staff resources been allocated for implementation of the CRC?	Yes/No No	
		number	
	If yes how many as FTE (f equivalents)?		
Q55	What steps has your organisation taken to raise awareness of the CRC internally	2	
	At board level		

		• ·	a share the second second
	Section 5 - CRC	Energy Efficiency Scheme	Return to Menu
	At senior management level	Report submitted to the Corporate Management Team on 23 October 2009	
	Among all staff		
Q56	Does your organisation h guidance for participatior	Yes/No Pave either it's own written strategy, action plan or No n in the CRC?	
Q57	Has your organisation so	ught any guidance or support on participating in the CRC from:	
		Scottish Government Yes/No SEPA Yes DECC / Environment Agency Yes CRC helpdesk (operated by Environment Agency) Yes Private consultants	
Fina	ancial implications		
Q58	Has your organisation do implications of the CRC?		
Q59		ate it will cost your organisation to implement the es, energy monitoring systems, staff costs)?	
	Where possible, please p	provide a break down of these costs in the box below:	
	hip Fees: Carbon Trading	Public Sector 2010/11 Scheme £1,500 and CIPFA'S Carbon Finance Netwo	
Q60	How much do you estima	ate it will cost to buy allowances in April 2011?	
If w	ou have any additional	comments relating to this section please use the box provided below:	
		rt in the Carbon Trading Public Sector 2010/11 scheme and CIPFA's Carbon Finance Network.	

Improving energy efficiency

A follow-up report



Prepared for the Auditor General for Scotland and the Accounts Commission December 2010

Auditor General for Scotland

The Auditor General for Scotland is the Parliament's watchdog for ensuring propriety and value for money in the spending of public funds.

He is responsible for investigating whether public spending bodies achieve the best possible value for money and adhere to the highest standards of financial management.

He is independent and not subject to the control of any member of the Scottish Government or the Parliament.

The Auditor General is responsible for securing the audit of the Scottish Government and most other public sector bodies except local authorities and fire and police boards.

The following bodies fall within the remit of the Auditor General:

- directorates of the Scottish Government
- government agencies, eg the Scottish Prison Service, Historic Scotland
- NHS bodies
- further education colleges
- Scottish Water
- NDPBs and others, eg Scottish Enterprise.

The Accounts Commission

The Accounts Commission is a statutory, independent body which, through the audit process, assists local authorities in Scotland to achieve the highest standards of financial stewardship and the economic, efficient and effective use of their resources. The Commission has four main responsibilities:

- securing the external audit, including the audit of Best Value and Community Planning
- following up issues of concern identified through the audit, to ensure satisfactory resolutions
- carrying out national performance studies to improve economy, efficiency and effectiveness in local government
- issuing an annual direction to local authorities which sets out the range of performance information they are required to publish.

The Commission secures the audit of 32 councils and 45 joint boards and committees (including police and fire and rescue services).

Audit Scotland is a statutory body set up in April 2000 under the Public Finance and Accountability (Scotland) Act 2000. It provides services to the Auditor General for Scotland and the Accounts Commission. Together they ensure that the Scotlish Government and public sector bodies in Scotland are held to account for the proper, efficient and effective use of public funds.

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The Scottish Government estimates that national contracts for energy will save the public sector up to £15 million a year

The public sector needs to do more to set a good example and influence others in reducing greenhouse gas emissions Page 8

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The Scottish Government is encouraging public bodies to consider energy efficiency when buying goods and services

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The CRC Energy Efficiency Scheme is a UK scheme aimed at reducing emissions

The CRC provides a financial incentive to reduce energy use Page 18

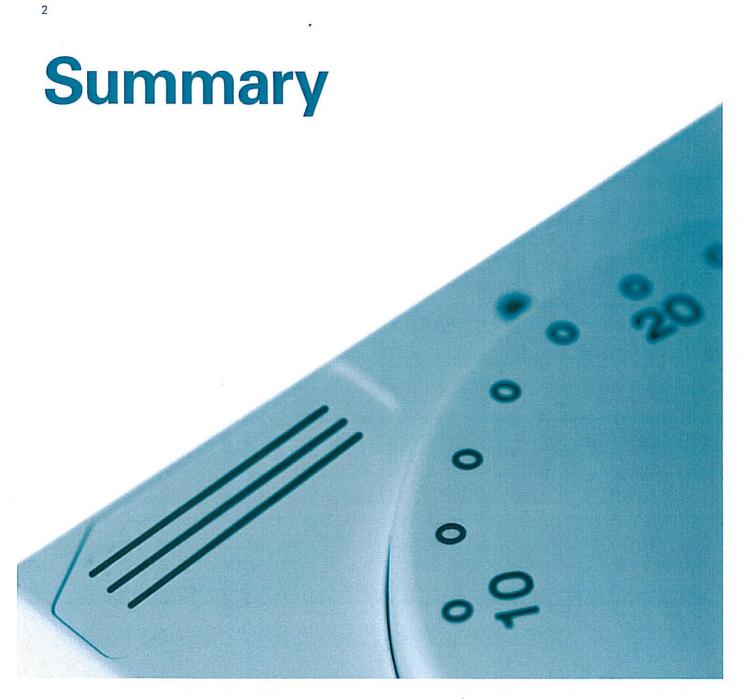
Over half of public bodies are well prepared for participation in CRC

Recommendation
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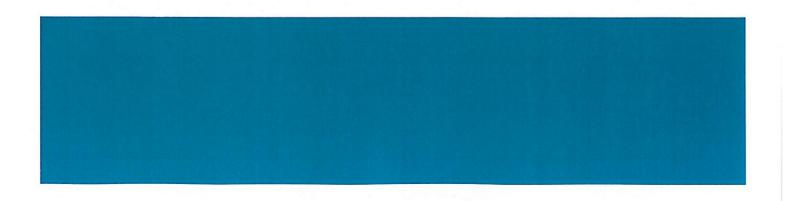
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Reducing energy use is important for reducing carbon dioxide emissions and minimising the impact of predicted energy price rises.



Introduction

1. Energy efficiency can be improved by either providing the same level of service with less energy, or by providing a greater level of service with the same amount of energy. Reducing energy use is important for reducing carbon dioxide (CO2) emissions, which evidence suggests are changing the world's climate.¹ As well as reducing its own emissions, the public sector has a key role to play in leading by example and promoting the improvement of energy efficiency more widely.

2. The public sector faces financial pressures over the next few years and needs to reduce its spending. Reducing energy use will be an important element of this, particularly as energy prices are forecast to increase over the next ten years."

3. In December 2008, Audit Scotland published a report on behalf of the Auditor General and the Accounts Commission, following an audit that examined how the public sector was improving its energy efficiency.³ The audit found that:

- the public sector had made some progress in improving its energy efficiency and its energy use fell in the three years to 2006/07. But its spending on energy increased by nearly half due to rising energy prices
- the sectors that spent the most on energy (councils and the NHS) had made the greatest efforts to improve energy efficiency, and this was reflected in their performance
- the Scottish Government had provided funding to help the public sector improve performance in this area. But there was a lack of

formal monitoring and reporting on progress, and the quality of public bodies' energy strategies varied

stronger leadership was needed in the public sector, to ensure the necessary cultural and behavioural changes were made to help improve energy efficiency.

4. Since then, there have been a number of significant developments relating to energy efficiency policy in Scotland:

- The Climate Change (Scotland) 0 Act 2009 set ambitious targets to reduce greenhouse gas emissions by 42 per cent by 2020 and 80 per cent by 2050 (against a 1990 baseline).⁴ The Act gave all public bodies a duty to contribute to reducing greenhouse gas emissions.
- The CRC Energy Efficiency Scheme (previously known as the Carbon Reduction Commitment) is a new compulsory UK-wide scheme that will affect many Scottish public bodies. It aims to improve energy efficiency and reduce CO₂ emissions (see Part 3 for more details).
- Energy Performance Certificates, showing the energy performance of a building, have had to be displayed in all large public buildings since January 2009.5
- An Energy Efficiency Action 0 Plan, published by the Scottish Government in October 2010, aims to reduce energy use in Scotland, and includes actions to help the public sector improve its energy efficiency.

About our audit

5. This audit re-evaluated the performance of the public sector in improving its energy efficiency. It followed up the key recommendations from our 2008 report (Exhibit 1, overleaf), and looked at how prepared public bodies are for the CRC Energy Efficiency Scheme.

6. The audit looked at the performance of councils, NHS boards and central government bodies, and focused mainly on the improvement of energy efficiency in their buildings.⁶ It did not look at domestic energy use. During the audit we:

- issued a survey to 96 public bodies and had a 96 per cent response rate (see Appendix 1)
- interviewed relevant staff from the Scottish Government
- held group interviews with energy managers from councils and NHS boards
- reviewed relevant documents.
- 7. Our report is in three parts:
- Part 1 considers changes in energy use, spending on energy, and CO₂ emissions between 2006/07 and 2008/09.7
- Part 2 assesses progress made by the public sector in implementing the recommendations of our 2008 report.
- Part 3 examines the CRC Energy Efficiency Scheme and evaluates how prepared participating public bodies are for the scheme.

Climate change 2007: synthesis report, Intergovernmental Panel on Climate Change, 2008. Updated energy and emissions projections, Department of Energy and Climate Change, June 2010. Improving energy efficiency, Audit Scotland, December 2008. During 2011, Audit Scotland will be carrying out a performance audit focusing on climate change.

A large public building is one which has a heated/cooled area over 1,000m². The term 'NHS boards' in this report refers to both territorial and special health boards. 567

In 2008, we reported energy use and spend between 2004/05 and 2006/07.

³ 4

Exhibit 1

Recommendations from the 2008 *Improving energy efficiency* report The report made nine recommendations for the Scottish Government and public bodies.

Recommendations	Paragraphs in this report
The Scottish Government should demonstrate leadership by providing clear guidance for all public bodies on the actions that are required to improve energy efficiency and reduce CO ₂ emissions.	25–26 52
The Scottish Government should establish robust monitoring arrangements, to ensure the performance of public bodies in improving energy efficiency can be accurately assessed and reported publicly against national and international targets.	43–47
The Scottish Government should work with the public sector to disseminate good practice, coordinate networks to share information and establish appropriate energy efficiency benchmarks.	23–24 27–29 48
The public sector should ensure that effective strategies are in place to improve energy efficiency and reduce CO ₂ emissions throughout all areas of public sector activity. These strategies should be supported by comprehensive plans detailing the actions to be taken to achieve agreed objectives and time-related targets.	31
The public sector should ensure that senior staff play a key role in improving energy efficiency and reducing CO ₂ emissions through leading on the implementation of strategies.	32
The public sector should identify and implement a coordinated programme to raise awareness of energy efficiency among staff. Public bodies should actively seek expert advice and input to design programmes which focus on encouraging changes to culture and staff behaviour.	27–29 33 38
The public sector should ensure staff with the necessary skills are made available to support implementation of energy efficiency activities. Formal reporting frameworks should be used to monitor progress against the aims, objectives and targets outlined in energy efficiency strategies.	36–37 41–42
The public sector should collect accurate and consistent data on energy consumption within all sites which they own or lease and in their transport use. Public bodies in multiple occupancy buildings need to work with landlords and other occupiers to establish procedures for identifying local consumption data.	39–40
The public sector should ensure that energy efficiency is considered in the procurement of goods and services, and in the planning and design of major capital projects.	51 59

Source: Audit Scotland

8. We have identified issues that councillors and non-executive board members may wish to consider in relation to how their organisation is improving its energy efficiency (Appendix 2).

9. An advisory group provided independent advice and feedback at key stages of the audit. See Appendix 3 for membership of the group.

Summary of key messages

- Between 2006/07 and 2008/09, there was little change in the public sector's energy use, but its spending on energy increased by 21 per cent. In a time of increasing financial pressures for the public sector and predicted future rises in energy prices, reducing energy use is of key importance.
- Scotland has ambitious targets to reduce greenhouse gas emissions and public bodies are adopting a more strategic approach to improving energy efficiency. However, the public sector as a whole is not yet reducing emissions at sufficient pace to set a good example or influence others, and future budget reductions may affect the level of investment available to achieve further improvement. The Scottish Government is taking action to help the public sector improve energy efficiency, but progress has been slow and the impact of this activity is not yet clear.
- On the seven point scale used to show the energy performance of buildings, over 70 per cent of large public buildings are rated in the poorest three levels. Only four per cent are rated in the top two levels.

 The CRC Energy Efficiency Scheme has raised the profile of energy efficiency, and over half of public bodies are well prepared for involvement in it. Reducing energy use will help public bodies reduce the costs associated with the scheme.

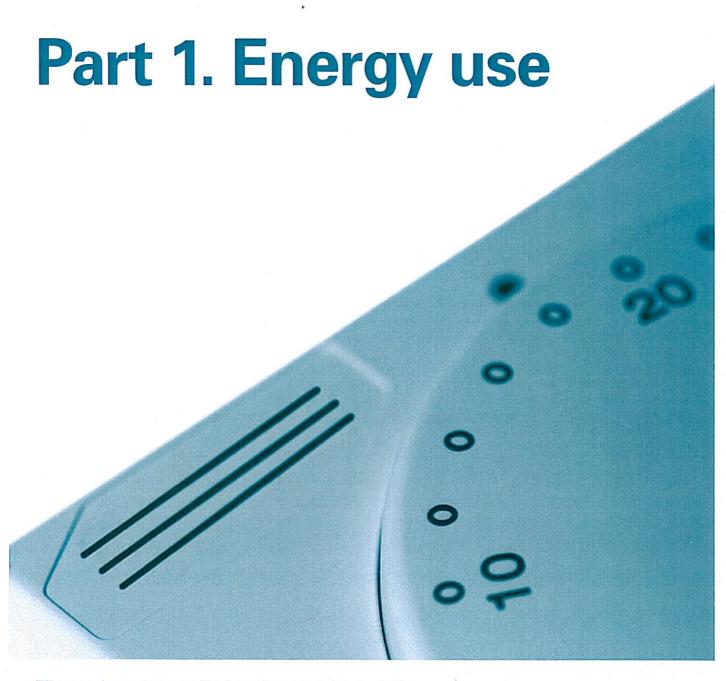
Recommendations

The Scottish Government should:

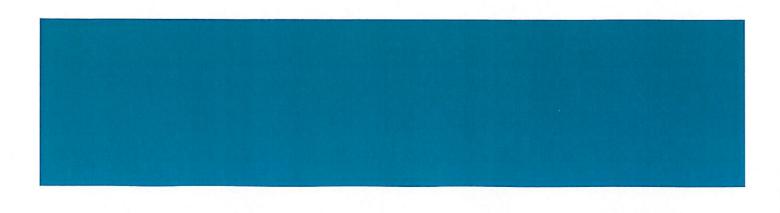
- ensure efforts and investment for improving energy efficiency are targeted where the greatest reductions in energy use and emissions can be made for the whole public sector
- take the opportunity when reviewing its Energy Efficiency Action Plan to ensure the actions relevant to the public sector are robust enough to achieve the pace of change required
- ensure its sustainability reporting framework provides consistent information on energy performance across the public sector
- build the CRC Energy Efficiency Scheme into its internal audit arrangements, to provide assurance in addition to the five-yearly external audit by the Scottish Environment Protection Agency (SEPA).

Public bodies should:

- strengthen the contribution they make to reducing emissions and increase the pace of change
- work with the Scottish Government to implement the actions relevant to the public sector in the Energy Efficiency Action Plan, and report progress to senior management
- ensure they have systems in place to collect accurate data on transport use and resulting CO₂ emissions
- build energy efficiency considerations into asset management and estate rationalisation decisions, involving energy officers or teams wherever possible
- build the CRC Energy Efficiency Scheme into their internal audit arrangements, to provide assurance in addition to the five-yearly external audit by SEPA.



There has been little change in public sector energy use, but spending has continued to rise.



Key messages

- Between 2006/07 and 2008/09, there was little change in the public sector's energy use, but its spending on energy increased by 21 per cent.
- The public sector needs to do more to set a good example and influence others in reducing greenhouse gas emissions.

There has been little change in public bodies' energy use since 2006/07

10. In 2008, we reported that energy use fell between 2004/05 and 2006/07. Recent data suggest that there has been little change in energy use since then. Energy use in public sector buildings is estimated to have risen by one per cent over the three years to 2008/09 (Exhibit 2). Overall energy use in councils and central government bodies has not changed over this period but it has increased by 3.5 per cent in the NHS. The NHS accounts for 30 per cent of public sector energy use, while councils account for 56 per cent and central government bodies for 14 per cent.

11. Reasons given for increases in energy use include:

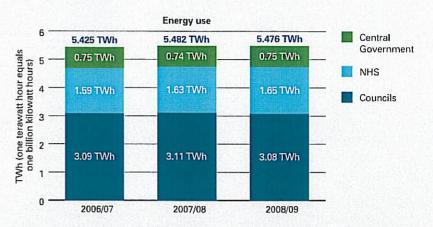
- changes in the estate (eg, additional buildings or office space)
- increases in new equipment (eg, electronic medical equipment)
- changes in service provision (eg, longer opening hours)
- variations in the weather (eg, increased demand for heating or cooling).

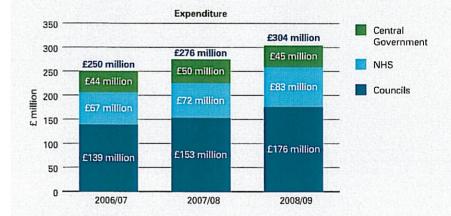
12. Ten public bodies were responsible for consuming half of all energy used by councils, NHS boards and central government bodies in

Exhibit 2

Changes in energy use and spend across the public sector from 2006/07 to 2008/09

There has been a one per cent rise in energy use, but spend on energy has increased by 21 per cent.





Note: This is based on 65 public bodies (26 councils, 23 central government bodies and 16 NHS boards) that provided data on energy use and spend over all three years for each energy source used (ie, electricity, gas and oil). In 2008/09, these 65 bodies accounted for 95 per cent of public sector energy use. At the time the audit was carried out, data for 2008/09 were the most recent available. The NHS data only reflect energy use and spend in hospitals. Spend data are in 2008/09 prices.

Source: Audit Scotland; Annual National Environment Reports 2006/07 to 2008/09, Health Facilities Scotland

2008/09. This included six councils (which accounted for almost half of total council energy use); three NHS boards (which accounted for just over half of total NHS energy use); and Scottish Water (which accounted for almost two-thirds of total central government energy use). The ten bodies were: Glasgow City Council (8 per cent of total energy used by the public sector); Fife Council (4 per cent); City of Edinburgh Council (4 per cent); South Lanarkshire Council (4 per cent); Aberdeenshire Council (3 per cent); Aberdeen City Council (3 per cent)

- NHS Greater Glasgow and Clyde (8 per cent); NHS Lothian (4 per cent); NHS Tayside (3 per cent)
- Scottish Water (8 per cent).

13. It is important that all public bodies should seek to reduce their energy use. Efforts and investment to improve energy efficiency will be most effective if they are concentrated where the greatest reductions in overall energy use can be made. Given the scale of energy use of the organisations detailed above, they will have an important role to play.

14. The NHS takes account of variations in weather when reporting its energy use. Although absolute energy use in the NHS increased between 2006/07 and 2008/09 (Exhibit 2, page 7), after correction for weather, the NHS achieved a two per cent reduction in energy use over this period. An NHS target for energy efficiency was introduced in 2007/08, which required a two per cent reduction in weather corrected energy use each year to 2009/10. After correction for weather, the NHS achieved a 1.2 per cent reduction in energy use in 2008/09.8 In line with the Climate Change (Scotland) Act 2009, a new NHS target was introduced in April 2010. This new target requires NHS boards to achieve a one per cent improvement in energy efficiency and a three per cent reduction in CO2 emissions from fossil fuels (eg, gas and oil), year-onyear between 2010/11 and 2014/15.

Public bodies spent over £320 million on energy in 2008/09

15. In 2008/09, councils, the NHS and central government bodies spent in excess of £322 million on energy.9 Since 2006/07, public sector spending on energy has increased by 21 per cent in real terms (Exhibit 2, page 7). Between 2006/07 and 2008/09, electricity prices rose by an average of 28 per cent and gas prices rose by an average of 30 per cent.¹⁰ Although they began to fall in 2009/10, energy prices are forecast to rise again over the next ten years.¹¹

The Scottish Government estimates that national contracts for energy will save the public sector up to £15 million a year

16. Since October 2009, Procurement Scotland has been responsible for managing national contracts for the supply of electricity and gas to the public sector.¹² All councils and NHS boards and 33 central government bodies have signed up to these contracts. Procurement Scotland buys energy on behalf of these public bodies before the start of each financial year. This should help manage the risk for individual public bodies of buying energy in an unpredictable market, as energy is bought in blocks rather than in one single purchase. Buying energy in advance also allows Procurement Scotland to provide an indication of future energy prices, which should make it easier for public bodies to budget for energy costs.

17. The electricity supplied through the national contract is generated from renewable sources (mostly wind power). The Scottish Government estimates that the contracts will make savings of between £10 million and £15 million each year across the whole public sector - up to five per cent of the amount spent by public bodies on energy in 2008/09. It is anticipated that these savings will be made by buying large volumes of energy in advance at the best available price and securing reduced management fees from energy suppliers (eg, not paying a premium for renewable electricity). At the time of our audit, it was too early to tell what impact this national approach to procuring energy has had.

The public sector needs to do more to set a good example and influence others in reducing greenhouse gas emissions

18. Emissions from power stations and transport account for around half of Scotland's total greenhouse gas emissions.¹³ Public sector activity is directly responsible for around two per cent.¹⁴ However, the Scottish Government expects the public sector to lead the way in energy efficiency, and to set a good example by reducing its own emissions and influencing others (eg, businesses, households and individuals) to do the same.¹⁵ The public sector can do this in a number of ways, including reducing energy use in its buildings, buying energy efficient products, and encouraging behavioural change among its staff, suppliers and users of its services.

National Performance Framework, Scottish Government. R

- This figure is based on spend by 82 public bodies in 2008/09. It is higher than the figure quoted in Exhibit 2, as it is based on a larger sample size.
- *Quarterly energy prices,* Department of Energy and Climate Change, September 2010, Updated energy and emissions projections, Department of Energy and Climate Change, June 2010, 10

Procurement Scotland is part of the Scottish Government. It is responsible for buying goods and services on behalf of all public sector bodies (eg, office 12 equipment, corporate services). 13

- Scotland's path to a low carbon economy, Committee on Climate Change, February 2010. Scottish greenhouse gas emissions 2008, Scottish Government, September 2010. 14
- 15 Conserve and Save: The Energy Efficiency Action Plan for Scotland, Scottish Government, October 2010.

19. Between 2006/07 and 2008/09, public bodies achieved an estimated 0.5 per cent reduction in CO₂ equivalent emissions from their buildings each year.¹⁶ However, this falls short of the annual average of three per cent reductions needed across Scotland to meet the target in the Climate Change (Scotland) Act 2009 (reduce greenhouse gas emissions by 42 per cent by 2020 against a 1990 baseline).¹⁷ If the public sector is to set a good example and influence other sectors, it will need to strengthen its contribution and increase the pace of change.

20. Despite an overall increase in energy use, CO2 equivalent emissions have reduced because of the changes in the balance of energy used by the public sector. Each energy source emits different levels of greenhouse gases, for example using gas produces less emissions than using electricity and oil. Overall, the public sector has reduced its use of electricity and oil, and increased its use of gas, leading to a reduction in emissions from energy use. Councils achieved a three per cent reduction in CO₂ equivalent emissions between 2006/07 and 2008/09, by reducing their electricity and oil use. However, emissions from NHS energy use increased by three per cent, and central government bodies' emissions increased by 0.4 per cent.

Recommendations

The Scottish Government should:

ensure efforts and investment for improving energy efficiency are targeted where the greatest reductions in energy use and emissions can be made for the whole public sector.

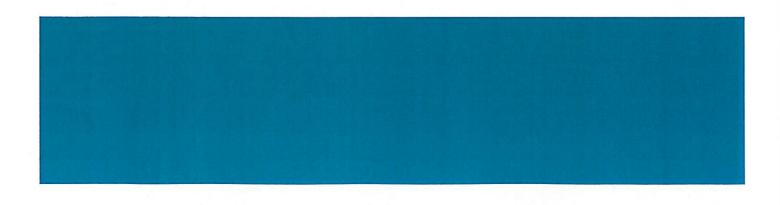
Public bodies should:

. strengthen the contribution they make to reducing emissions and increase the pace of change.

¹⁶ CO₂ equivalent provides a universal standard of measurement against which the impacts of releasing different greenhouse gases can be measured. The UK Co_2 equivalent provides a universal standard of measurement against which the impacts of releasing different greenhouse gases can be measured. The UI government's greenhouse gas conversion factors have been used to calculate CO_2 equivalent emissions. The conversion factors for electricity may be different in Scotland due to the higher proportion of nuclear and renewable electricity generation, which result in lower CO_2 emissions. *Greenhouse gas inventories for England, Scotland, Wales and Northern Ireland: 1990–2007*, AEA, September 2009. *Scotland's path to a low carbon economy*, Committee on Climate Change, February 2010. 17

Part 2. Improving energy efficiency

Financial pressures may make it more difficult to allocate funding for investment in energy efficiency measures.



Key messages

- The Scottish Government is taking action to help the public sector improve its energy efficiency, but progress has been slow and the impact of this activity is not yet clear.
- Public bodies are adopting a more strategic approach to improving energy efficiency. However, future budget reductions may affect the level of investment available to achieve further improvement.
- On the seven point scale used to show the energy performance of buildings, over 70 per cent of large public buildings are rated in the poorest three levels. Only four per cent are rated in the top two levels.

21. There have been a number of significant developments relating to energy efficiency since our first performance audit report was published in 2008. The Climate Change (Scotland) Act 2009 included measures to promote energy efficiency. It requires:

- the Scottish Government to publish a plan for promoting energy efficiency, by 31 October 2010 (see paragraph 25)
- any building that becomes part of the central government estate to be within the top 25 per cent of energy performance
- annual reporting to the Scottish Parliament on progress made towards improving the efficiency and sustainability of the central government estate, from October 2011
- all public bodies to contribute towards meeting targets to reduce greenhouse gas emissions,

from January 2011. The Scottish Government has consulted on guidance to help public bodies comply with this duty.

22. Other significant developments include the introduction of Energy Performance Certificates for public buildings (see paragraph 55), and the introduction of the CRC Energy Efficiency Scheme (see Part 3). The Scottish Government is working to help the public sector improve its energy efficiency, but many of its initiatives in this area remain a work in progress.

The impact of Scottish Government actions to improve energy efficiency is not yet clear

23. In 2008, we reported the establishment of a Leading by Example Programme to improve environmental performance (including energy efficiency) across the public sector. As part of the programme, the Scottish Government established two working groups to deliver its aims, both internally and in the wider public sector:

- An internal working group was set up in December 2008 to focus on the performance of the Scottish Government. The group's remit is to ensure the Scottish Government demonstrates leadership to the wider public sector, by improving its own environmental performance. The group is now chaired by the Director-General for Rural Affairs, Environment and Services, and members include directors from across the Scottish Government.
- An external working group, chaired by the Permanent Secretary, was set up in May 2009 to promote improved environmental performance across the public sector. However, this group only met twice before being merged in February 2010 into the new Sustainable Scotland group,

which focuses on a wider sustainability agenda. This group includes senior representatives from across the public and private sector, and is chaired by the Permanent Secretary.

24. The impact of these working aroups on improving energy efficiency in the public sector is not yet clear. The Sustainable Scotland group has met three times to date, and has considered issues relating to energy efficiency (eg, the development of an energy efficiency action plan). However, it is too early to assess the impact of the group on promoting improved energy efficiency in public bodies. Although the internal working group has taken action to improve the Scottish Government's own environmental performance (eg, ensuring delivery of its carbon management plan), it has had limited impact on the wider public sector.

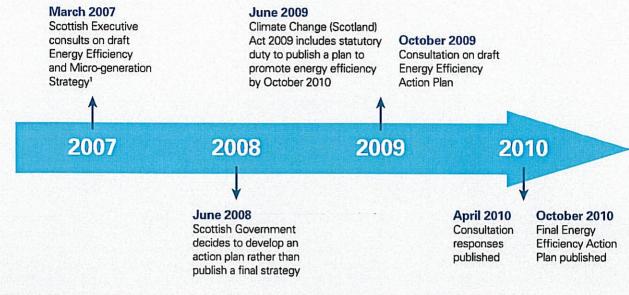
The Scottish Government has been slow in providing guidance to the public sector on improving energy efficiency

25. In 2008, we reported that the Scottish Government planned to develop an action plan to improve energy efficiency in the public sector. A consultation draft, which highlighted the recommendations from our 2008 report, was published in October 2009. The final action plan was published in October 2010, more than two years after a commitment was made to develop it (Exhibit 3, overleaf).

26. The plan sets out the Scottish Government's approach to improving energy efficiency across Scotland. One aim of the action plan is to 'provide clear energy efficiency guidance and leadership to the public sector, to enable the delivery of energy saving improvements and promote exemplary behaviour.¹⁸

Exhibit 3

Development of the Scottish Government's Energy Efficiency Action Plan The development of an energy efficiency action plan has taken over two years.



Note: 1. Before May 2007, the Scottish Administration was called the Scottish Executive. It is now called the Scottish Government. Source: Audit Scotland

The plan includes actions for the Scottish Government aimed at reducing energy use in public sector buildings, improving the monitoring and reporting of energy performance, and using existing funding for energy efficiency measures more effectively. The plan sets out how the Scottish Government will work with public bodies to reduce their energy use. However, it does not include any timescales or mandatory actions for public bodies themselves, and this approach may not be robust enough to provide the sense of urgency required or encourage sufficient pace of change.

The Scottish Government provides funding to support public bodies to improve their energy efficiency

27. The Scottish Government provided around £5.5 million funding to the Carbon Trust in 2010/11.¹⁹ The Carbon Trust works with public bodies

and businesses to identify their CO₂ emissions and provides advice and support to help reduce them. It also supports developments in technology designed to reduce the demand for energy and minimise emissions. Eighty-seven per cent of public bodies have sought advice from the Carbon Trust.

28. The Carbon Trust has a support programme to help organisations reduce their CO2 emissions.20 All councils, ten NHS boards and four central government bodies have taken up this service. In June 2009, a tailored programme was launched for smaller energy users and is available to all Scottish public bodies that are not suited to the full programme. NHS National Services Scotland and 12 central government bodies have undertaken this tailored programme to date. These bodies have set themselves targets to reduce their CO₂ emissions by an average of

3.5 per cent each year. The Energy Efficiency Action Plan encourages all public bodies to go through the Carbon Trust's programme, if they have not already done so.

29. The Scottish Government also provides funding to the Energy Saving Trust, which focuses on improving energy efficiency in the domestic sector by providing public information and advice. The Trust also provides some advice to public bodies, and has developed a staff training tool for councils which aims to change attitudes and behaviour towards energy use. Around 80 per cent of councils, and 40 per cent of central government bodies and NHS boards, have sought advice from the Energy Saving Trust.

30. The Central Energy Efficiency Fund (CEEF) was set up to fund projects to improve energy efficiency in councils, NHS boards and Scottish Water. The Scottish Executive provided £20 million to public bodies through the fund during 2004/05 and 2005/06.21 CEEF is intended to generate 'revolving funds' - the savings made from CEEF-funded measures are invested in further energy efficiency measures. To date, £17.8 million of CEEF has been spent, resulting in estimated annual savings of £6 million and 53,000 tonnes of CO2.22 The Energy Efficiency Action Plan states that the Scottish Government will undertake an evaluation of CEEF by the end of 2010, to identify how remaining funding can be used most effectively.

Public bodies are adopting a more strategic approach to improving energy efficiency, but challenges remain

The profile of energy efficiency has risen in public bodies

31. There has been an increase in the percentage of public bodies with a strategy or action plan to improve energy efficiency. Almost threequarters of public bodies that did not have a strategy in 2008, had either introduced one by 2010 or were developing one. Nearly 85 per cent of public bodies now have an energy efficiency strategy (93 per cent of councils, 86 per cent of NHS boards and 75 per cent of central government bodies). Of these strategies, only nine (13 per cent) are not supported by an action plan, outlining how objectives and targets to improve energy efficiency will be achieved.

32. Increasingly, senior staff are leading on the implementation of public sector strategies to improve energy efficiency. The majority of strategies are approved by either a council committee, the chief executive or corporate management team. At a strategic level, responsibility for driving forward the measures in these strategies tends to lie with the corporate management team. The majority of public bodies have identified 'champions' at senior management level, to help drive forward measures to improve energy efficiency. All NHS boards and around two-thirds of councils and central government bodies have energy 'champions' at senior management level.

33. Since our previous report in 2008, more public bodies have established a steering group with a remit covering energy issues, which includes representatives from across the organisation. Over 80 per cent have a committee or steering group in place, compared to around 60 per cent in 2008. These groups can help to raise the profile of energy efficiency issues; for example, they may have responsibility for implementing the energy strategy at an operational level.

34. Public bodies are increasingly setting their own targets for improving energy efficiency in their buildings and transport fleet. Around 85 per cent of public bodies had set their own targets in 2010, compared to 70 per cent in 2008. Of these, all have targets to improve energy efficiency in their buildings and nearly half also have targets for transport use.

35. Although the profile of energy efficiency has increased, public bodies are facing competing priorities due to increasing financial pressures in the public sector. This may make it more difficult to allocate funding for investment in energy efficiency measures.

Staff resources allocated to energy management have increased

36. There has been an increase in the staff resources allocated to energy management. The number of public bodies with an officer or team responsible for energy management has increased from 69 per cent to 91 per cent since 2008. All councils and NHS boards and 80 per cent of central government bodies have staff responsible for energy management. Of these bodies, a third reported an increase in the availability of training for energy management staff. However, the recruitment and retention of appropriately trained energy management staff remains difficult. This is a risk for public bodies as experienced energy managers retire, and succession planning needs to be considered.

37. Energy management can be part of a wider facilities or property management role. The amount of time spent on energy management varies between sectors. In 86 per cent of councils, the officer or team responsible for energy management spends at least three-quarters of their time on energy management issues. This compares to 23 per cent of NHS boards and ten per cent of central government bodies.

38. All staff have a role to play in improving energy efficiency. However, less than half of public bodies have 'champions' among operational staff (other than energy management staff) to encourage behavioural change among colleagues. Energy managers report that raising and maintaining awareness of energy efficiency among staff remains a challenge. This is largely due to a lack of time or people to deliver ongoing awareness raising initiatives.

Public bodies have improved their monitoring systems for energy performance

39. Public bodies have improved their understanding of the energy performance of their buildings by collecting more accurate data on energy use. Around 85 per cent of public bodies now have a system in place to collate information on energy use in their buildings, compared to 70 per cent in 2008. Almost half of all public bodies now have automated meter reading systems, compared to under a third in 2008. These systems collect accurate data on energy use automatically, rather than relying on

21 Before May 2007, the Scottish Administration was called the Scottish Executive. It is now called the Scottish Government.

22 Scottish Government and Health Facilities Scotland.

estimates or manual meter readings. However, some public bodies lack the necessary staff resources to analyse and use this data effectively.

40. Around 70 per cent of public bodies, including all councils and NHS territorial boards, have a vehicle fleet. Of these, around two-thirds have a system in place to monitor the fuel consumption of their fleet. This is an improvement since 2008, when less than half of public bodies had a system in place. The remaining third need to identify ways to collect accurate data on transport use, to allow them to assess fully their CO_2 emissions.

41. Not all public bodies are reporting energy performance, such as the use and cost of energy, on a regular basis. Forty per cent of public bodies report energy performance to management teams monthly or quarterly, 35 per cent report six-monthly or annually, and 25 per cent report occasionally or not at all. Reporting energy performance to all staff and the public is done less frequently, if at all. Around half of public bodies report to these audiences occasionally or not at all. The Energy Efficiency Action Plan encourages public bodies to report their energy use, and progress in trying to reduce it, regularly.

42. NHS territorial boards, the State Hospital and the National Waiting Times Centre Board use the same environmental monitoring and reporting tool (eMART). Data on environmental performance, including energy use, spend and CO₂ emissions, is collated in eMART and reported publicly every year.²³ Quarterly performance reports generated by eMART are reviewed by NHS board chief executives and the Scottish Government health directorates. In April 2010, eMART was upgraded to include data on all

properties owned and leased by the NHS (rather than just hospitals). During 2010/11, it will begin to collect data on the mileage and resulting emissions of leased, private and fleet vehicles.

The Scottish Government is seeking to improve consistency in the monitoring and reporting of energy performance

43. The Scottish Government is working to improve the consistency and standard of environmental reporting across the public sector. In early 2009, it piloted eMART among a group of councils and central government bodies, to assess the potential for implementing it across the wider public sector. However, it was decided that a full roll-out of eMART was not appropriate, due to other developments to improve reporting that had taken place since the pilot began.

44. These significant developments in energy reporting are:

- The Climate Change (Scotland) Act 2009 requires annual reporting to the Scottish Parliament on progress made towards improving the energy performance of the central government estate, from October 2011.
- Changes to the Treasury's Financial Reporting Manual (FReM) require central government bodies and the NHS to report on energy use and emissions in their annual reports and accounts from 2011/12. Similar reporting arrangements are being developed for councils through the Chartered Institute of Public Finance and Accounting (CIPFA) and the Local Authority (Scotland) Accounts Advisory Committee (LASAAC).

 The electronic Property Information Mapping Service (ePIMS) has been upgraded to collect energy data. This system is used to collect property management data in central government bodies and any NHS boards not covered by eMART.

45. The Scottish Government is developing an overarching sustainability reporting framework to create a more coordinated approach to reporting across the public sector. It aims to draw environmental and sustainability reporting under a single framework across central government and the NHS.

46. The Energy Efficiency Action Plan includes actions to improve the monitoring and reporting of energy performance data across the public sector. It states that the Scottish Government will:

- develop a methodology for setting appropriate energy saving targets
- set an overarching energy saving target for the public sector as a whole
- encourage public bodies to set their own annual targets, which should be approved at chief executive level and publicly reported each year.

47. To help ensure that public bodies are collecting and reporting accurate and comparable energy data, the Carbon Trust is developing best practice guidance for the public sector on managing and reporting energy data. This is due to be published in early 2011.

48. Benchmarks can help public bodies identify areas for improvement by comparing their performance against similar organisations. The Scottish Government has not established any energy efficiency benchmarks. However, actions in the Energy Efficiency Action Plan and wider developments in sustainability reporting may lead to the establishment of benchmarks in future.

Financial pressures make improving the energy efficiency of public sector buildings a challenge

49. It is important that public bodies build energy efficiency considerations into refurbishments, new buildings and rationalisation of their estate. They also need to encourage changes in staff behaviour and the way buildings are used, to help reduce CO₂ emissions from buildings.

50. However, due to the financial pressures facing the public sector, and the difficult choices to be made about using limited resources, it may become more difficult to allocate funding for energy efficiency measures. The Scottish Government's capital budget is predicted to fall by around 36 per cent in real terms between 2010/11 and 2014/15, which may result in less capital investment in the public sector estate.²⁴ This is likely to make improving the energy performance of public sector buildings very challenging.

51. In 2009, Audit Scotland reported that councils and NHS boards needed to give greater consideration to environmental sustainability in the design of new buildings.²⁵ Nearly 70 per cent of public bodies have a policy stating that energy efficiency should be considered in the buying, planning or design of major capital

projects. In 60 per cent of public bodies, energy managers are always or often involved in planning major capital projects. However, this has not increased since 2008, and energy managers are not always involved early enough in the planning stages to influence decisions.

52. The Energy Efficiency Action Plan includes actions for the Carbon Trust to produce guidance for the public sector on reducing emissions from buildings. The Carbon Trust is developing an asset mapping approach to help public bodies identify opportunities over time to reduce emissions in their buildings (eg, when buildings or facilities such as boilers are due to be replaced or refurbished). It is also developing guidance to help public bodies procure energy efficient buildings (eg, when buying new buildings, undertaking refurbishments or leasing additional space). This guidance is due to be published in 2011.

53. The Climate Change (Scotland) Act 2009 requires any building that becomes part of the central government estate to be within the top 25 per cent of energy performance. The Energy Efficiency Action Plan encourages all public bodies to report on the estimated energy use and emissions of any building they plan to buy or lease, and to identify if it falls within the top 25 per cent.

54. Since October 2010, changes in building regulations have required new buildings, and any new building work in existing buildings, to deliver improved energy performance. The Scottish Government expects these new regulations to reduce CO₂ emissions by 30 per cent compared to 2007 standards.²⁶

Over 70 per cent of large public buildings have a poor energy performance rating

55. The European Union introduced legislation in 2002 to promote the improvement of the energy performance of buildings.²⁷ In Scotland, this was implemented through building regulations.²⁶ Since January 2009, all large public buildings have had to display an **Energy Performance Certificate** (EPC).²⁹ An EPC shows the amount of CO₂ estimated to be released by a building, by rating it from A (excellent) to G (very poor).

56. EPC ratings are based on an assessment of the performance of the fabric of a building and its fixed services, such as heating and lighting. This assessment uses standard assumptions as to how the building is used, and does not reflect actual energy use. Display Energy Certificates, applicable to public buildings in England and Wales. are slightly different as their ratings are based on the actual amount of energy used by a building each year. In June 2010, revised European Union legislation on the energy performance of buildings was published.³⁰ The Scottish Government will consult on any proposed changes to the EPC system in 2011.

57. Despite the limitations of the current EPC system, it illustrates the scale of the challenge in reducing emissions from the existing public sector estate. Over 70 per cent of large public sector buildings have an EPC rating of E to G, with only four per cent rated A or B (Exhibit 4, overleaf).

26 27 28

²⁴

Scotland's spending plans and draft budget 2011-12, Scottish Government, November 2010. Asset management in the NHS, Audit Scotland, January 2009 and Asset management in local government, Audit Scotland, May 2009. 25

Non-domestic Technical Handbook 2010, Scottish Government, April 2010. Directive 2002/91/EC on the Energy Performance of Buildings, December 2002.

The Energy Performance of Buildings (Scotland) Regulations 2008. A 'large' public building is one which has a heated/cooled area over 1,000m² 29

Directive 2010/31/EU on the Energy Performance of Buildings (recast), May 2010.

The Scottish Government is encouraging public bodies to consider energy efficiency when buying goods and services

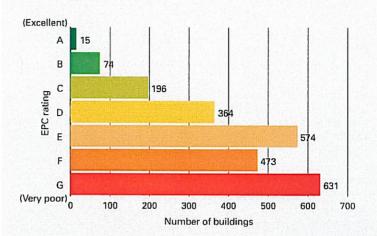
58. In 2009, the Scottish Government published its Sustainable Procurement Action Plan.³¹ The plan states that the public sector should lead by example in building sustainability into its procurement activity. It highlights that the environmental implications of buying products or services (including energy use) should always be considered. The Scottish Government expects the actions in the plan to contribute towards targets for reducing emissions.

59. Three-quarters of central government bodies, and around twothirds of councils and NHS boards, have procurement strategies stating that energy efficiency should be considered when buying all goods and services. Of those public bodies that have a transport fleet, around twothirds have a procurement strategy that states energy efficiency should be considered when buying vehicles. However, we reported in 2008 that public bodies do not necessarily have procedures in place to ensure compliance with these strategies. The Sustainable Procurement Action Plan encourages public bodies to put a delivery plan in place during 2010, to ensure sustainable procurement practices are followed.

60. The Scottish Government launched the Low Carbon Vehicle Procurement Support Scheme in June 2010. This scheme, supported by COSLA, will make £3.6 million available to Community Planning Partnerships for the procurement or lease of vehicles with low emissions, during 2010/11. The scheme will provide financial support to community planning partners, by funding the difference in cost between conventional vehicles and low emission vehicles (eg, electric cars and vans). The funding can also

Exhibit 4

Energy Performance Certificate ratings of the public sector estate The majority of large public sector buildings have an Energy Performance Certificate rating of E to G.



Note: This exhibit is based on data from 68 public bodies (29 councils, 26 central government bodies and 13 NHS bodies).

Source: Audit Scotland and Health Facilities Scotland

be used to install publicly accessible charging or fuelling facilities for low emission vehicles. An additional £300,000 will be available for central government bodies that are not represented on Community Planning Partnerships.

Recommendations

The Scottish Government should:

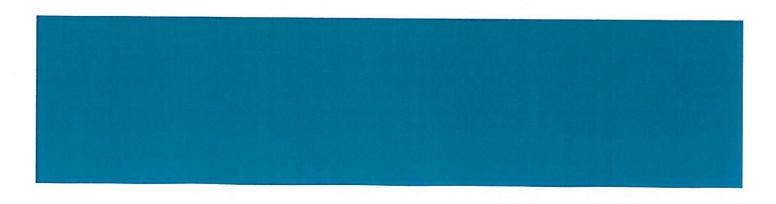
- take the opportunity when reviewing its Energy Efficiency Action Plan to ensure the actions relevant to the public sector are robust enough to achieve the pace of change required
- ensure its sustainability reporting framework provides consistent information on energy performance across the public sector.

Public bodies should:

- work with the Scottish Government to implement the actions relevant to the public sector in the Energy Efficiency Action Plan, and report progress to senior management
- ensure they have systems in place to collect accurate data on transport use and resulting CO₂ emissions
- build energy efficiency considerations into asset management and estate rationalisation decisions, involving energy officers or teams wherever possible.

Part 3. The CRC Energy Efficiency Scheme

Participants in CRC are required to monitor their emissions based on their energy use in buildings.



Key messages

- The CRC Energy Efficiency Scheme has raised the profile of energy efficiency in the public sector, and over half of public bodies are well prepared for involvement in it.
- Reducing energy use will help public bodies reduce the costs associated with the CRC Energy Efficiency Scheme.

The CRC Energy Efficiency Scheme is a UK scheme aimed at reducing emissions

61. The CRC Energy Efficiency Scheme (CRC), previously known as the Carbon Reduction Commitment, is a UK-wide scheme which started in April 2010. It aims to improve energy efficiency and reduce the amount of CO₂ emitted in the UK. Both public and private sector organisations are required to participate in CRC if they meet the qualification criteria, which are based on how much electricity they used in 2008. Emissions from energy intensive organisations (eg. power stations) are not included in CRC, as they are covered by the European Union Emissions Trading Scheme. The Environment Agency, which is responsible for protecting the environment in England and Wales, is the central CRC administrator for the whole of the UK.

62. In Scotland, 27 councils, 11 NHS territorial boards, six central government bodies, the National Waiting Times Centre Board and the Scottish Parliamentary Corporate Body are required to participate in CRC (see Appendix 1). These bodies accounted for 96 per cent of total public sector energy use during 2008/09. **63.** Changes to the CRC were announced as part of the UK Government's Spending Review in October 2010. This report presents the most up-to-date picture possible. However, there is a consultation on the changes to the CRC ongoing and further consultations are expected during 2011.

64. Since April 2010, participants in , CRC have been required to monitor their CO_2 emissions based on their energy use in buildings. Each year, participants have to buy allowances from the Environment Agency for each tonne of CO_2 they emit. The more CO_2 an organisation emits, the more allowances it will have to buy. The first sale of allowances will be in 2012, when participants will buy allowances for the CO_2 they emitted in 2011/12.

65. Each year, from 2011, organisations will have to report their energy use and resulting emissions from the previous year. These annual reports will be used to compile a performance league table, showing the relative performance of all participants in CRC. Performance will be assessed on three factors: change in annual emissions, change in emissions compared to revenue expenditure, and voluntary action taken to manage emissions (ie, installation of automated meter reading systems and formal certification of emissions reduction, such as the Carbon Trust Standard). The weighting of these three factors will change over the first three vears of CRC, and from April 2013 performance will be based on the first two factors only.

66. The money raised through the sale of allowances was originally intended to be re-distributed among

CRC participants, based on their performance in the league table. Participants that performed well in the league table would have received more money back than those who performed badly. However, following the UK Government's Spending Review announcement in October 2010, the revenue raised through the sale of allowances will now go to the Treasury, rather than being re-distributed among participants in the scheme.

The CRC provides a financial incentive to reduce energy use

67. Reducing energy use is one way of reducing CO_2 emissions, and can help manage the risk of rising energy prices. By reducing energy use, organisations participating in CRC can also reduce the amount they have to spend on allowances for emissions.

68. Most of the public bodies participating in CRC have estimated the financial impact of the scheme. The cost of buying allowances for 2011/12 is estimated to be around £20 million (based on 43 public bodies). This ranges from £25,000 for a small central government body to over £3 million for Scottish Water. These estimates are based on the initial price for allowances of £12 per tonne of CO₂, although the price may change in future years. Public bodies will have to budget for the cost of buying allowances each year.

69. Reducing energy use will help public bodies reduce the cost of buying allowances for emissions. However, public bodies are facing difficult decisions due to increasing financial pressures in the public sector and this may make it more difficult to secure the investment needed to continually reduce emissions from energy use.

Over half of public bodies are well prepared for participation in CRC

70. When surveyed in May 2010, over half of participating public bodies had begun to prepare for future participation in CRC. Fifty-six per cent of public bodies were compiling a footprint report, including details of energy use and emissions during 2010/11, which has to be submitted by July 2011. Sixty-two per cent of public bodies had started to compile all the information demonstrating CRC compliance in an evidence pack, which needs to be kept updated from April 2011 onwards. Forty-nine per cent of participating public bodies were compiling both a footprint report and an evidence pack.

71. Almost all participating public bodies have nominated someone to take responsibility for participation in CRC. However, some public bodies reported that identifying the appropriate person for this role was challenging and caused delays in registering for participation in CRC. Where responsibility lies varies between public bodies, but tends to be with the energy management team, the facilities and estates team, or the finance department.

72. In May 2010, a third of public bodies still had to collect all the information needed to register for CRC by the September deadline. Many public bodies reported that determining which services and buildings qualified for inclusion in CRC led to delays in the registration process. This is a particular issue for buildings that are under a Public Private Partnership or a Private Finance Initiative agreement, for example some schools and hospitals. Depending on the individual contract, it may not be clear whether the public body or private company is responsible for the energy use and resulting emissions of the building.

73. CRC has driven improvements in the monitoring of energy use in many public bodies. Public bodies participating in CRC need to collect accurate data on energy use, to allow them to report their annual emissions. Of those public bodies participating in CRC, 78 per cent identified that changes were needed in their monitoring or reporting systems. Although only half of these had made the changes by May 2010, the requirement to collect accurate information for CRC is pushing public bodies to improve their energy monitoring systems. The environmental monitoring tool used by the NHS (eMART) has been updated to provide a tailored report on energy use and emissions specifically for participants in CRC.

74. The requirement to participate in CRC, and its financial implications, have helped raise awareness of energy efficiency among senior staff. All participating public bodies had taken steps to raise awareness of CRC at board or senior management level.

75. The Scottish Environment Protection Agency (SEPA) is responsible for auditing and regulating CRC compliance in Scotland. Participants will be audited by SEPA at least once every five years, from April 2011. As these audits are only every five years, internal audit could provide additional assurance on a more frequent basis.

76. All councils and NHS boards, and two-thirds of central government bodies, have sought advice from SEPA on participating in CRC. Threequarters of public bodies have sought advice from the Environment Agency (85 per cent of councils, 83 per cent of central government bodies and 42 per cent of NHS boards).

Recommendation

The Scottish Government and public bodies should:

 build the CRC Energy Efficiency Scheme into their internal audit arrangements, to provide additional assurance to the Scottish Environment Protection Agency's five-yearly external audit.

Appendix 1.

Public bodies included in this audit

Councils	NHS bodies	Central government bodies
Aberdeen City Council ¹	NHS Ayrshire and Arran ¹	Accountant in Bankruptcy
Aberdeenshire Council ¹	NHS Borders ¹	Cairngorms National Park Authority
Angus Council ¹	NHS Dumfries and Galloway ¹	Crown Office and Procurator Fiscal Service
Argyll and Bute Council	NHS Fife ¹	General Register Office for Scotland ¹
City of Edinburgh Council ¹	NHS Forth Valley ¹	Highlands and Islands Enterprise ²
Clackmannanshire Council	NHS Grampian ¹	Historic Scotland
Comhairle nan Eilean Siar ²	NHS Greater Glasgow and Clyde ¹	HM Inspectorate of Education
Dumfries and Galloway Council ¹	NHS Highland ¹	Learning and Teaching Scotland
Dundee City Council ¹	NHS Lanarkshire ¹	Loch Lomond and Trossachs National Park Authority
East Ayrshire Council ¹	NHS Lothian ¹	National Archives of Scotland
East Dunbartonshire Council ¹	NHS Orkney	National Galleries of Scotland
East Lothian Council ¹	NHS Shetland	National Library of Scotland
East Renfrewshire Council ¹	NHS Tayside ¹	National Museums of Scotland ¹
Falkirk Council ¹	NHS Western Isles	Office of the Scottish Charity Regulator
Fife Council ¹	NHS 24	Quality Meat Scotland
Glasgow City Council ¹	NHS Education for Scotland	Registers of Scotland
Highland Council ¹	NHS Health Scotland	Royal Botanic Garden Edinburgh
Inverclyde Council	NHS National Services Scotland	Scottish Arts Council ³
Midlothian Council ¹	NHS Quality Improvement Scotland	Scottish Children's Reporter Administration
Moray Council ¹	National Waiting Times Centre Board ¹	Scottish Commission for the Regulation of Care
North Ayrshire Council ¹	Scottish Ambulance Service	Scottish Court Service ¹
North Lanarkshire Council ¹	The State Hospital	Scottish Enterprise ¹
Orkney Islands Council ²		Scottish Environment Protection Agency

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Perth and Kinross Council ¹		Scottish Funding Council
Renfrewshire Council ¹		Scottish Government ¹
Scottish Borders Council ¹		Scottish Housing Regulator ²
Shetland Isles Council ¹		Scottish Legal Aid Board
South Ayrshire Council ¹		Scottish Natural Heritage
South Lanarkshire Council ¹		Scottish Police Services Authority
Stirling Council ¹		Scottish Prison Service
West Dunbartonshire Council ¹		Scottish Public Pensions Agency
West Lothian Council ¹		Scottish Qualifications Authority
		Scottish Social Services Council
		Scottish Water ¹
		Skills Development Scotland
		Social Work Inspection Agency
		SportScotland
		Student Awards Agency for Scotland
		Transport Scotland
		VisitScotland
		Water Industry Commission for Scotland
30 out of 32	22 out of 22	39 out of 41 ⁴

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Notes:

1. These bodies are participating in the CRC Energy Efficiency Scheme. In addition, ten central government bodies are participating in CRC as part of the Scottish Government (Crown Office and Procurator Fiscal Service, Disclosure Scotland, Her Majesty's Inspectorate of Education, Historic Scotland, Scottish Housing Regulator, Scottish Prison Service, Scottish Public Pensions Agency, Social Work Inspection Agency, Student Awards Agency for Scotland and Transport Scotland). The Scottish Parliamentary Corporate Body is also participating in CRC.

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These bodies did not complete the survey.
 The Scottish Arts Council became part of Creative Scotland on 1 July 2010.

4. The Scottish Parliamentary Corporate Body also participated in our survey.

Appendix 2.

Checklist for councillors and non-executive board members

The table below sets out issues that councillors and non-executive board members in public bodies may wish to consider in relation to how their organisation is improving its energy efficiency.

Main report (page)	Issue	Questions for councillors and non-executive board members to consider
Part 1. Energy use	ILSE	
Page 7	Energy use in public sector buildings is estimated to have risen by one per cent over the three years to 2008/09.	What progress is your organisation making in reducing its energy use?
Page 0	Annual average reductions in emissions of three per cent are needed across Scotland to meet the target in the Climate Change (Scotland) Act 2009 (reduce greenhouse gas emissions by 42 per cent by 2020 against a 1990 baseline). If the public sector is to set a good example and influence other sectors, it will need to strengthen its contribution and increase the pace of change.	Does your organisation have a plan to reduce its greenhouse gas emissions? What progress is being made?
Part 2. Improv	Part 2. Improving energy efficiency	
Page 13	Nearly 85 per cent of public bodies have an energy efficiency strategy. Of these strategies, only nine are not supported by an action plan, outlining how objectives and targets to improve energy efficiency will be achieved.	Does your organisation have a written strategy to improve energy efficiency? Is it supported by an action plan?
Page 13	The majority of public bodies have identified champions at senior management level, to help drive forward measures to improve energy efficiency.	Does your organisation have an energy efficiency champion at senior management level? How is behavioural change to improve energy efficiency being encouraged throughout the organisation?
Page 13	Public bodies are increasingly setting their own targets for improving energy efficiency in their buildings and transport fleet.	Does your organisation have its own target(s) or performance indicator(s) on improving energy efficiency? How is it performing against the target(s)/performance indicator(s)?
Page 13	Around 85 per cent of public bodies have a system in place to collate information on energy use in their buildings. However, some public bodies lack the necessary staff resources to analyse and use this data effectively.	Does your organisation have a system in place to collect accurate information on energy use in the estate? Is this information being analysed to identify where improvements in energy efficiency can be made, and to calculate CO ₂ emissions?

Main report (page)	Issue	Questions for councillors and non-executive board members to consider
Page 14	Of the public bodies with a vehicle fleet, around two-thirds have a system in place to monitor the fuel consumption of their fleet. The remaining third need to identify ways to collect accurate data on transport use to allow them to assess fully their CO ₂ emissions.	Does your organisation have a system in place to collect accurate information on the use of its vehicle fleet? Is this information being analysed and used to improve performance and calculate CO ₂ emissions?
Page 14	Not all public bodies are reporting energy performance, such as the use and cost of energy, on a regular basis. The Energy Efficiency Action Plan encourages public bodies to report their energy use, and progress in trying to reduce it, regularly.	Is your organisation analysing and reporting information on energy performance (eg, the use of cost of energy and resulting CO ₂ emissions) to senior management level? Is performance reported regularly?
Page 15	Benchmarks can help public bodies identify areas for improvement by comparing their performance against similar organisations.	Does your organisation benchmark its energy performance against similar organisations?
Page 15	It is important that public bodies build energy efficiency considerations into refurbishments, new buildings and rationalisation of their estate.	Does your organisation have a policy or strategy in place to ensure that energy efficiency is always considered in any decisions relating to the refurbishment or rationalisation of buildings?
	-	Has your organisation put suitable arrangements in place to ensure this strategy is always followed?
Page 16	Three-quarters of central government bodies and around two-thirds of councils and NHS boards have procurement strategies stating that energy efficiency should be considered when buying all goods and services. The Sustainable Procurement Action Plan encourages public bodies to put a delivery plan in place during 2010 to ensure sustainable procurement practices are followed.	Does your organisation have a policy or strategy in place to ensure that energy efficiency is always considered when buying goods or services? Has your organisation developed a delivery plan to ensure sustainable procurement practices are followed?
Part 3. The CR	Part 3. The CRC Energy Efficiency Scheme	
Page 18	Reducing energy use will help public bodies reduce the cost of buying allowances for emissions.	Is your organisation taking action to manage the costs associated with participation in the CRC Energy Efficiency Scheme?
Page 19	Participants in CRC will be audited by SEPA at least once every five years, from April 2011. As these audits are only every five years, internal audit could provide additional assurance on a more frequent basis.	Does your organisation's internal audit programme include the CRC Energy Efficiency Scheme?

Appendix 3.

Project advisory group membership

Audit Scotland would like to thank members of the project advisory group for their input and advice throughout the audit.

Member	Organisation
John Dunlop	Energy and Climate Change Manager, Health Facilities Scotland
Ron Hill	Property Officer, North Lanarkshire Council Chair, Scottish Energy Officers Network
John Holmes	Head of Emissions Trading Branch, Scottish Government
James Simpson	Policy Adviser, Energy Efficiency and Low Carbon Economy Unit, Scottish Government
Judith Young	Team Leader, Greener Scotland Directorate, Scottish Government

Note: Members of the project advisory group sat in an advisory capacity only. The content and conclusions of this report are the sole responsibility of Audit Scotland.

Improving energy efficiency

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