

Fife Council Building Services

War On Waste



Helping make Fife the leading green council



Building Services

- 5 Depots
- 1100 employees
- 100 apprentices
- Maintenance to New Build schools
- Turnover £85 Million



The Problem

- 97% of Building Services total waste sent to landfill
- No sorting at source
- Wasteful culture (time is money)
- Worked in isolation
- No waste management strategy



The Next Step

- Fife Council Big 8
- Ambitious targets
- Management support/ hearts
- Training/toolbox talks
- In-house and private partnership



The Way Forward

- BUILDING MATERIALS – what can be recycled?
- OFFICE MATERIALS - paper/plastic
- DEPOTS - dedicated recycling at recycling centre
- SITE WORKS – roofing/windows





Helping make Fife the leading green council



Towards
Zero Waste
Fife

Significant Achievements

- Partnering success
- Procurement/tendering specification
- Innovation/ideas/suggestions
- Staff commitment/support
- Considerate Constructors Scheme
- Site Waste Management Plans



Site Waste Management Plans


- Too complex to complete
- 12 sub sections to populate
- Not user friendly

FIFE COUNCIL BUILDING SERVICES			Fife	
INTRODUCTION - CARDENDEN PRIMARY SCHOOL				
Responsibility for completing sheet: OS Office				
Prepared by	Liz McIntyre			
Project Information				
Project Title	Cardenden Primary School			
Start Date	26/10/2009	Completion date		
Contact No:	P4650240	Company Turnover	78,000,000	
Nature & description of works	New build and refurbishment of Cardenden Primary School			
Floor Area, m2	1780	Project Value, £	3,500,000	
Project Location & Address				
Cardenden, Cardenden Castle Avenue				
Site Co-ordinator / Agent	Tom Bryce	Tel		Email
Site Supervisor	Ross McCormack	Tel	07908 577651	Email
Design Coordinator	John Purvis, Property Service			
Summary of Waste Management Arrangements				
What will the onsite waste management storage facilities consist of?: e.g. concreted bay area, permanent signage, segregated skips etc...	Area for segregating waste will be designated. Inert, Mixed Waste, Wood, Metal, Plasterboard			
Details of project-specific waste management licenses and exemptions:				Y / N
	Does it have an Exemption for Paragraph 19			N
	Exemption for Paragraph 9			N
	Will Special Waste be produced?			Y
SWMP Responsibilities				
Organisation:	Contact Name:	Contact Details:		
Client:	Fife Educational Services	David Moore		
Sub-Contractors	Contact Name / :	Contact Details:		
Muir Timber Systems	Ken Murdoch	Timber		
Thomas Menzies	Roy Anderson	Soil, Plastic, Concrete, Aggregate		
McConnell Roofing	John Boyle	Insulation, Liquid Plastic		
Declaration				
Fife Council will take all reasonable steps to ensure that -				
(a) all waste from the site is dealt with in accordance with the waste duty of care in section 34 of the				
(b) materials will be handled efficiently and waste managed appropriately				
Person in charge:	Tom Bryce			
Organisation:	Fife Council Building Services			
Position:	Site Co-ordinator			
Date:	15/12/2009			



Site Waste Management Plans


- Spreadsheet formulas were complex
- Management required summarised version

FIFE COUNCIL BUILDING SERVICES													
WASTE MANAGEMENT SUMMARY - CARDENDEN PRIMARY													
Responsibility for completing sheet: Site Agent / Procurement													
Waste Type	Material (m3)	Estimated Waste (m3)	Reused on Site (m3)	Reused off site (m3)	Reused on site (tonnes)	Reused off site (tonnes)	Waste sent offsite (m3)	Waste sent offsite (tonnes)	Waste Recycled / Recovered (m3)	Waste recycled / recovered (tonnes)	Final Disposal (m3)	Final Disposal (tonnes)	
Active / Mixed Soils and stone	0	0	0	0	0	0	21.97	27.2	16.7	19.1	5.3	8.2	
Inert, Rubble, Brick, Mortar	500	50	0	0	0	0	463.92	403.6	463.9	403.6	0.0	0.0	
Timber	14	0	0	0	0	0	13.46	22.5	13.5	22.5	0.0	0.0	
Metal	1	0	0	0	0	0	2.08	2.6	2.1	2.6	0.0	0.0	
Packaging	0	0	0	0	0	0	7.82	2.6	5.5	2.6	2.3	0.0	
Plasterboard	0	0	0	0	0	0	22.95	9.6	23.0	9.6	0.0	0.0	
Carteen	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Paper	0	0	0	0	0	0	13.81	2.9	13.8	2.9	0.0	0.0	
Hazardous waste	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Glass	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
uPVC windows	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Total	525	50	0	0	0	0	577	906	570	898	8	8	



Simplified Site Waste Management Plans

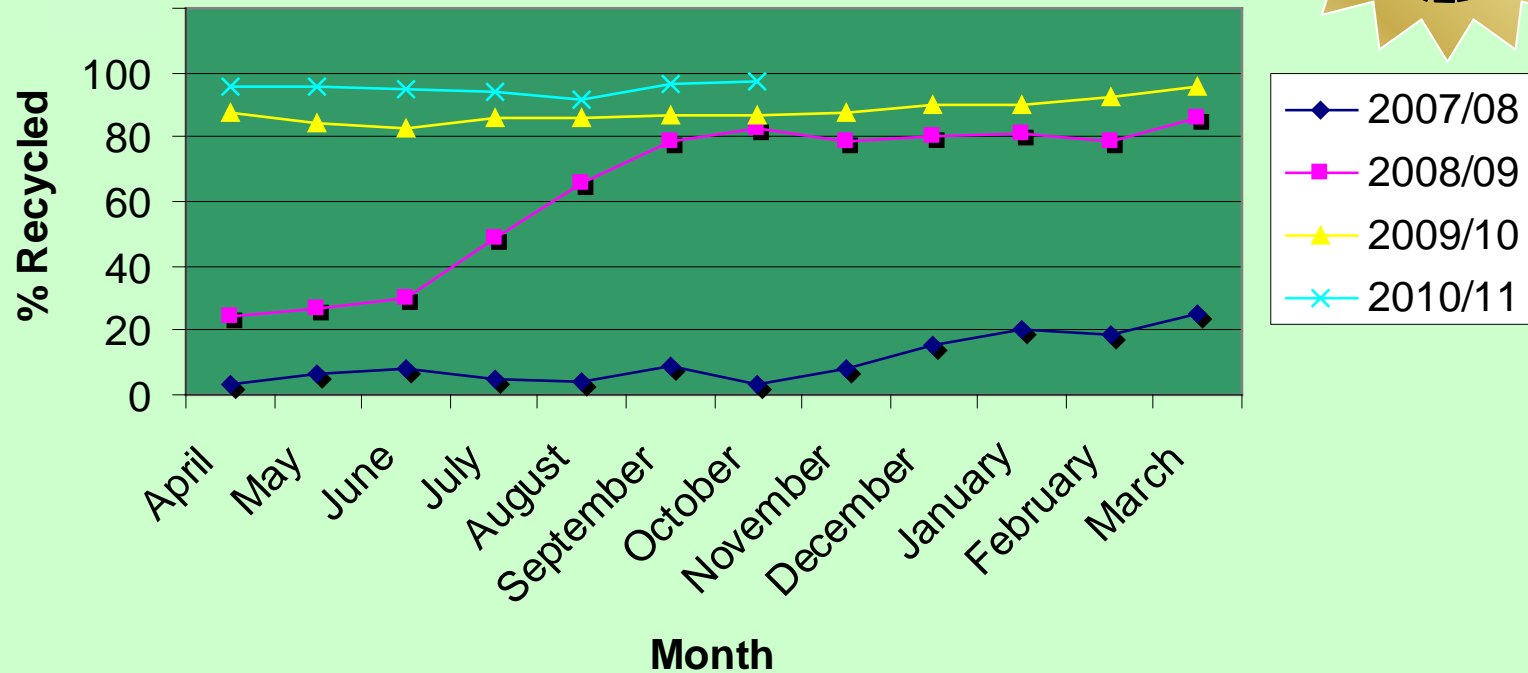
- Understand and Accountability
- Feedback on waste
- Performance for each job

 Fife Council Building Services					
SWMP WASTE MANAGEMENT SUMMARY					
Responsibility for checking completion sheet: Procurement					
Waste Type	Estimated Waste collected from site in Kg	Costs for Waste uplift	Waste Merchant Name	Scrap merchant Name	Revenue generated
Material					
Wood					
Plasterboard					
Mixed Waste					
Rubble					
Tiles					
Copper					
Back Boiler					
Radiators					
Storage Heaters					
Other waste streams					



Recycling figures

2008/09/10 comparison



Recycling
96%
Rate



Community Benefits

Old windows help fund new respite caravan

Outreach project hits target thanks to recycling firm

By Fay Sinclair
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OLD windows from council houses are helping to fund a new mobile respite home.

A £3000 donation from window recycling organisation CMS Enviro Systems Ltd has helped Leven-based Muirhead Outreach Project buy a caravan to provide respite for families across Fife.

The Muirhead Outreach Project is a charity set up in 2004 to work with young people and families who are experiencing difficulties, often through no fault of their own. They help young people throughout Fife.

Dorothy Markham, manager at the Muirhead Outreach Project said: "We are absolutely delighted with this generous donation which enables us to provide a respite location for young people and families."

The donation helped the charity reach their target of £21,000 for the caravan, which they have collected

through fundraising over the past 12 months and grants including £10,000 Lottery funding.

The donation came after regional director of CMS Enviro Systems in Fife, Billy Semple heard about the shortfall and thought it would be a great opportunity to give back the proceeds his company generates at its Glenrothes plant through recycling windows removed from Fife Council properties.

He said: "CMS is delighted to be supporting a Fife charity with money that's been generated through recycling in Fife."

John Rodigan, building services manager for Fife Council, said: "CMS Enviro Systems works with Fife Council to recycle thousands of windows annually in a non-profit making arrangement."

"In a constantly fluctuating market CMS generously committed to donating any additional revenue for



recycled materials to a local charity. CMS believes in community benefits and has demonstrated this over a number of years in Fife.

"It is refreshing to work with a company that has such a social conscience and can help the Muirhead Outreach Project in this way."

Dorothy Markham of Muirhead Outreach Project receives the £3000 cheque from CMS regional director Billy Semple, watched by Hamish Kirk and Ian Potter from Building Services and CMS marketing manager Louise Hamill.

'It is refreshing to work with a company that has such a social conscience'

East Fife Mail



Mr Vettrano and Mr Anderson.

Recycling of old windows hailed

A RECENT Fife Council pilot project for recycling old windows has been a big success.

Some 95% of the aluminium, timber and PVC extracted from old windows has successfully been recycled.

Building services, the council department which undertakes the building and maintenance work to

Speaking of the successful scheme, Stephen Anderson, the council's contracts manager for building services, said, "We are delighted with our achievements."

"Over the last few years we have worked closely with the council's environmental services to help us improve our recycling performance," added Mr Anderson.

"It has clearly paid off," he said.

"The effort that is being made by every council service is ensuring that Fife is well on the way to becoming Scotland's leading green council."

council property across the region, have recently been working with a window manufacturer to help with the project as part of the council's zero waste policy.

The replacement windows, incorporating recycled materials reclaimed from old windows, are lead-free.

They have an energy rating of A.

Meanwhile Councillor Ross Vettrano, vice-chairman of the council's environment, enterprise and transport committee, added, "Building services has accomplished so much in a fairly short period of time and, together with other council services, is showing what can be achieved by working in union towards a common goal."

"The effort that is being made by every council service is ensuring that Fife is well on the way to becoming Scotland's leading green council," he added.

Courier



Helping make Fife the leading green council



Towards Zero Waste Fife

Ongoing Challenges

- Site waste management plans
- Source new recycling opportunities
- Encouraging employee participation
- Environmental regulation and targets
- Continuous improvement



Questions

