

**APPENDIX III****ENERGY SAVING MEASURES****Projects completed 2014/15:**

SITE	PROJECT	APPROX COST (£)	ESTIMATED ANNUAL SAVINGS (kWh)	ESTIMATED ANNUAL SAVINGS (£)
Forres Academy	Water meter downsizing	884	0	3,012
Kinloss PS	Hot water pipes insulation	2,389	12,027	806
HQ/Annexe	Timers fitted to vending machines	2,380	20,230	1,750
HQ/Annexe	Timers fitted to hot water dispensers	1,200	13,488	1,375
Speyside HS	Lighting upgrade – partial payment for phase 2	20,000*	33,414	3,536
Elgin SCC	Roof insulation	20,000*	32,174	3,539
Buckie HS	Lighting upgrade – partial payment for phase 1	30,000*	42,232	4,894
Hythehill PS	Roof Insulation	6,000*	39,756	986
Elgin SCC	Hot water pipes insulation	2,426	19,828	471
Forres Swimming Pool	Upgrade pool lighting controller	338**	7,800	883
St Sylvester's PS	External door draught proofing	47**	n/k	n/k
Milnes Library	LED lighting	390**	2,142	228
Ashgrove Offices	Reduction of electrical supply capacity	0	0	889

\*This relates to the part of the larger project which was eligible for funding from the Central Energy Efficiency Fund.

\*\*Paid for from Minor Energy Efficiency Project budget

**Projects currently ongoing or in detailed feasibility stage:**

SITE	PROJECT	APPROX COST (£)	ESTIMATED ANNUAL SAVINGS (kWh)	ESTIMATED ANNUAL SAVINGS (£)
All properties	Install AMR's as required	n/k	0	0
Lossiemouth	Water meter	n/k	0	1,462

High School	downsizing			
Various	Water meter downsizing)	0	0	29,086
Mosstodloch PS	Upgrade external lighting to LED	945	5,475	665
West End PS	Roof insulation – kitchen area	680	2,949	70
Buckie HS	Lighting upgrade – partial payment for phase 2	10,000*	15,234	1,765
Elgin Town Hall	Roof insulation upgrade	Being* assessed	Being assessed	Being assessed
Elgin Town Hall	Wall insulation	Being* assessed	Being assessed	Being assessed
Forres Swimming Pool	Upgrade changing room lights	Being assessed	Being assessed	Being assessed
West End PS Elgin	Lighting upgrade	Being assessed	Being assessed	Being assessed*
Elgin Sports and Comm. Centre	Lighting upgrade	Being assessed	Being assessed	Being assessed
Milnes PS	Lighting upgrade in sports hall	Being assessed	Being assessed	Being assessed
Various	Draught proofing of external doors	Being assessed	Being assessed	Being assessed
Various	Connection of standalone Building Energy Management Systems	£9,480	0	0
Various	Install reflective radiator panels	3.00 each	170 kWh per sq m	n/k

\*This relates to the part of the larger project which is eligible for funding from the Central Energy Efficiency Fund.

Projects in planning – initial feasibility stage:

SITE	PROJECT
Dallas PS, Elgin	Replacement heating
Lossiemouth HS	Upgrade BEMS
All properties	Installation of Thermostatic Valves (as required)
All properties	Installation of pipe insulation (as required)
Lossiemouth HS, CEC and Pool	Lighting and control assessment
Speyside HS, CEC and Pool, Aberlour	Lighting and control assessment
Alves PS, Elgin	Improvements to heating and control systems

Electrically heated school premises	Improvements to heating controls
All properties	Solar thermal heating system (suitable sites)

Projects approved – in principle:

SITE	PROJECT
Swimming Pools (5)	Replace air handling and heat exchanger units
Swimming Pools (5)	Replace pumps and motors with variable speed drives
All properties	Fit/replace/upgrade loft insulation to 10% above minimum level (as required)
All schools	Replace/upgrade/fit Building Energy Management System (as required)