

ENERGY SAVING MEASURES

Projects completed 09/10:

SITE	PROJECT	APPROX COST	ESTIMATED ANNUAL SAVINGS (kWh)	ESTIMATED ANNUAL SAVINGS (£)
St Peters PS, Buckie	Heating control system	£9,800	50,000	1,500
Lady Cathcart Building, Buckie	Installation of Thermostatic Valves	£2,000	9,500	370

Projects currently ongoing or in detailed feasibility stage:

SITE	PROJECT	APPROX COST	ESTIMATED ANNUAL SAVINGS (kWh)	ESTIMATED ANNUAL SAVINGS (£)
Keith Grammar School	Improvements to heating and control systems	TBC	115,000	3,450
New Elgin PS	Automatic lighting controls	TBC	6,000	600
Roths Day Care Centre	Improved loft insulation	£1,700	10,000	300
St Sylvesters PS, Elgin	Replace lamps in staff room with T5 lamps	TBC	1,100	110
Seafield PS, Elgin	Trial of lever control taps in Infants Dept	TBC	n/a	n/a
New Elgin PS	Installation of Thermostatic Valves	£4,000	23,000	690
Keith Community Centre	Installation of Thermostatic Valves	TBC	20,000	600
Forres Academy	Upgrade heating in Medway Huts	£2,000	4,000	400
Longmore Hall, Keith	Boiler replacement	£9,600	40,000	1,200
Forres Academy	Upgrade BEMS	TBC	17,000	510
Speyside HS, CEC and Pool, Aberlour	Biomass heating	TBC	tbc	tbc

Appendix 2

Projects in planning – initial feasibility stage:

SITE	PROJECT
Dallas PS, Elgin	Replacement heating
All schools (54)	Voltage reduction equipment
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
All properties	Solar thermal heating system (suitable sites)
All properties	Electricity microgeneration – wind turbine (suitable sites)
Keith CEC and Pool	Self closing taps

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)
Elgin Library and Forres Swimming Pool	Connection of 'stand alone' Building Energy Management System to supervisor
All schools and new HQ site	Replace/upgrade/fit Building Energy Management System (as required)

Potential projects – identified

SITE	PROJECT
Primary schools and offices	Install automatic PC shutdown software
Schools, swimming pools and CECs (65)	Fit self closing taps in schools, swimming pools and CECs
All properties	Investigate renewable energy options
All properties	Investigate water reduction projects