Energy Saving Credits:

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		Energy Credits kWh/yr	
Measure	**Minimum Specification - All measures installed must meet the minimum specification listed below**	**Apartment**	**House**
Roof Insulation	Insulation as per TGD L 2008 • On the ceiling to U-Value 0.16 W/m²K • On the rafter to 0.2 W/m²K • On flat roofs to 0.22 W/m²K	800	1,300
External Wall Insulation	To U-Value 0.27 W/m²K as per TGDL 2008	3,750	5,900
Internal Dry Lining Wall Insulation	To U-Value 0.27 W/m²K as per TGDL 2008	3,200	5,000
Cavity Wall Insulation	To U-Value 0.50 W/m²K	2,050	3,250
Floor Insulation	To U-Value 0.36 W/m²K	700	1,100
Full Window Replacement (incl doors with > 60% glazing)	To U-Value 1.4 W/m²K	1,050	1,650
Window glazing envelope replacement (includes doors with > 60% glazing)	Minimum glazing envelopes U-Value 2.1 W/m²K	490	770
External Door Replacement	To U-Value 1.4 W/m²K	350	550
Window glazing Low e film (includes doors with > 60% glazing)	Post installation U-Values according to EN 410 and EN 673: • Minimum double glazing envelope U-Value 2.4 W/m²K • Minimum single glazing envelope U-Value 3.5 W/m²K Glazing film shall be professional installed by manufacture trained/registered installers.	75	120
High Efficiency Gas or Oil fired Boiler with Fully integrated Heating Controls Upgrade	90%+ Boiler gross seasonal efficiency as per HARP database, full zone control on space and water heating, with at least 2 zones for space heating as recommended in TGD L 2008 and 80mm hot water cylinder insulating jacket	3,350	5,270
High Efficiency Gas or Oil fired Boiler with Fully integrated Heating Controls Upgrade with remote access	90%+ Boiler gross seasonal efficiency as per HARP database, full zone control on space and water heating, with at least 2 zones for space heating as recommended in TGD L 2008 and 80mm hot water cylinder insulating jacket. Programmer to have capacity to adjust heating schedule remotely via Web or SMS	3,650	5,745

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		Energy Credits kWh/yr	
Measure	**Minimum Specification - All measures installed must meet the minimum specification listed below**	**Apartment**	**House**
Fully integrated Heating Controls Upgrade	Full zone control on space and water heating, with at least 2 zones for space heating as recommended in TGD L 2008	2,350	3,700
Fully integrated Heating Controls Upgrade with remote access	Full zone control on space and water heating, with at least 2 zones for space heating as recommended in TGD L 2008. Programmer to have capacity to adjust heating schedule remotely via Web or SMS	2,580	4,070
High Efficiency Gas or Oil fired Boiler with Entry Level Heating Controls Upgrade	90%+ Boiler gross seasonal efficiency as per HARP database, 24hr/7day programmer and room thermostat	1,195	1,885
High Efficiency Gas or Oil fired Boiler with remote access Entry Level Heating Controls Upgrade	90%+ Boiler gross seasonal efficiency as per HARP database, 24hr/7day programmer and room thermostat Programmer to have capacity to adjust heating schedule remotely via Web or SMS	1,280	2,025
Biomass boiler with thermal store and Fully integrated Heating Controls Upgrade	Min gross efficiency of 77% as per HARP. Full zone control on space and water heating, with at least 2 zones for space heating as recommended in TGD L 2008 and 80mm hot water cylinder insulating jacket	5,690	8,950
Biomass boiler with thermal store and Fully integrated Heating Controls Upgrade with remote access	Min gross efficiency of 77% as per HARP. Full zone control on space and water heating, with at least 2 zones for space heating as recommended in TGD L 2008 and 80mm hot water cylinder insulating jacket Programmer to have capacity to adjust heating schedule remotely via Web or SMS	5,920	9,320
Biomass boiler without thermal store and Fully integrated Heating Controls Upgrade	Min gross efficiency of 82% as per HARP. Full zone control on space and water heating, with at least 2 zones for space heating as recommended in TGD L 2008 and 80mm hot water cylinder insulating jacket	5,150	8,100
Biomass boiler without thermal store and Fully integrated Heating Controls Upgrade with remote access	Min gross efficiency of 82% as per HARP. Full zone control on space and water heating, with at least 2 zones for space heating as recommended in TGD L 2008 and 80mm hot water cylinder insulating jacket Programmer to have capacity to adjust heating schedule remotely via Web or SMS	5,380	8,470

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		Energy Credits kWh/yr	
Measure	**Minimum Specification - All measures installed must meet the minimum specification listed below**	**Apartment**	**House**
Entry Level Heating Controls Upgrade only	24 hour 7 day programmer & room thermostat	1,000	1,600
Entry Level Heating Controls Upgrade only with remote access	24 hour 7 day programmer & room thermostat Programmer to have capacity to adjust heating schedule remotely via Web or SMS	1,100	1,760
Solid Fuel Room Heater (without back boilers)	65%+ gross seasonal efficiency as per HARP	1,050	1,650
Biomass Fuelled Room Heater (without back boilers)	65%+ gross seasonal efficiency as per HARP	1,310	2,060
Gas Fired Room Heater (without back boilers)	65%+ gross seasonal efficiency as per HARP. It must be replacing an open fire or a fixed low efficiency gas fired room heater (Decorative Gas Fire i.e. DGF in the region of 35% efficient)	1,050	1,650
Solar Water Heating Installation	Sized and installed in accordance with SR 50-2	1,050	1,650
Mechanically-assisted powered cleanse and flush (powerflushing) of system	• Boiler Service to Manufactures instructions / SEAI checklist • Mechanically-assisted powered cleanse and flush (powerflushing) of system to BS 7593	260	400
Mechanically-assisted powered cleanse and flush (powerflushing) of system **With the Installation of magnetic filtration system and/or heating system additive to existing heating system**	• Boiler Service to Manufactures instructions / SEAI checklist • Mechanically-assisted powered cleanse and flush (powerflushing) to BS 7593 before installation • Installation of magnetic filtration to existing heating system to SR 50-1 Code of Practice for building services – Part 1: Domestic plumbing and heating **and/or** Instlalltion of heating system additive, listed on Energy Saving Trust website as a heating system additive	400	630
Chimney draught limiter	Permanent mechanically fixed Chimney draught limiter Product to conform to BS 1251 and BS 3376	185	290

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		Energy Credits kWh/yr	
Measure	**Minimum Specification - All measures installed must meet the minimum specification listed below**	**Apartment**	**House**
Oil Boiler Service	To Manufactures instructions / SEAI checklist[1]	60	60
LPG Boiler service	To Manufactures instructions / SEAI checklist[1]	30	30
Natural Gas Boiler service	To Manufactures instructions / SEAI checklist[1]	20	20
Water to Water Heat Pump with Fully integrated Heating controls Upgrade	Water to Water Heat pump, minimum SPF of 485. Listed on the HARP, EHPA, Ecolabel or Eurovent database[3] Full zone control on space and water heating, with at least 2 zones for space heating as recommended in TGD L 2008 and 50mm pre insulated hot water cylinder	7,870	12,370
Water to Water Heat Pump with Fully integrated Heating controls Upgrade with remote access	Water to Water Heat pump, minimum SPF of 485. Listed on the HARP, EHPA, Ecolabel or Eurovent database[3] Full zone control on space and water heating, with at least 2 zones for space heating as recommended in TGD L 2008 and 50mm pre insulated hot water cylinder Programmer to have capacity to adjust heating schedule remotely via Web or SMS	8,100	12,740
Air to Water Heat Pump with Fully integrated Heating controls Upgrade	Air to Water Heat pump, minimum SPF of 350. Listed on the HARP, EHPA, Ecolabel or Eurovent database[3] Full zone control on space and water heating, with at least 2 zones for space heating as recommended in TGD L 2008 and 50mm pre insulated hot water cylinder	6,560	10,310
Air to Water Heat Pump with Fully integrated Heating controls Upgrade with remote access	Air to Water Heat pump, minimum SPF of 350. Listed on the HARP, EHPA, Ecolabel or Eurovent database[3] Full zone control on space and water heating, with at least 2 zones for space heating as recommended in TGD L 2008 and 50mm pre insulated hot water cylinder Programmer to have capacity to adjust heating schedule remotely via Web or SMS	6,790	10,680
Brine to Water Heat Pump with Fully integrated Heating controls Upgrade	Brine to Water Heat pump, minimum SPF of 390. Listed on the HARP, EHPA, Ecolabel or Eurovent database[3] Full zone control on space and water heating, with at least 2 zones for space heating as recommended in TGD L 2008 and 50mm pre insulated hot water cylinder	7,070	11,110

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Brine to Water Heat Pump with Fully integrated Heating controls Upgrade with remote access	Brine to Water Heat pump, minimum SPF of 390. Listed on the HARP, EHPA, Ecolabel or Eurovent database[3] Full zone control on space and water heating, with at least 2 zones for space heating as recommended in TGD L 2008 and 50mm pre insulated hot water cylinder Programmer to have capacity to adjust heating schedule remotely via Web or SMS	7,300	11,480
Air to Air Heat Pump with Fully integrated Heating controls Upgrade	Air to Air Heat pump, minimum SPF of 325%. Listed on the HARP, EHPA, Ecolabel or Eurovent database* Full zone control with at least 2 zones for space heating as recommended in TGD L 2008. 50mm pre insulated hot water cylinder	5,630	8,840
		Energy Credits kWh/yr	
Measure	**Minimum Specification - All measures installed must meet the minimum specification listed below**	**Apartment**	**House**
Air to Air Heat Pump with Fully integrated Heating controls Upgrade with remote access	Air to Air Heat pump, minimum SPF of 325%. Listed on the HARP, EHPA, Ecolabel or Eurovent database* Full zone control with at least 2 zones for space heating as recommended in TGD L 2008. 50mm pre insulated hot water cylinder. Programmer to have capacity to adjust heating schedule remotely via Web or SMS	5,860	9,210
High heat retention storage heaters	High heat retention storage heaters (as per SAP 2013) replacing existing electric storage system Heat retention not less than 45% as measured in accordance with EN 60531. Test results must be from or endorsed by a body accredited to test to EN 60531	1,825	2,870
High heat retention Cylinder (minimum standing loss of 0.5W/litre)	Replacement of existing uninsulated/jacket insulated hot water cylinder with a High heat retention cylinder as per the Heating and Domestic Hot Water Systems for dwellings – Achieving compliance with Part L 2008 document: (i.e. that the heat loss from the cylinder will not exceed ***1.6 X (0.2 + 0.051V$^{2/3}$)*** kWh per 24 hours, where V is the nominal cylinder capacity in litres), or a standing loss less than **0.5W/l per hr** Tested to BS 1566: 2002 Copper indirect cylinders for domestic purposes. Open vented copper cylinders. Requirements and test methods and/or BS 7206:1990 Specification for unvented hot water storage units and packages	700	1,100
High heat retention Cylinder (minimum standing loss of 0.5W/litre) with remote access	Replacement of existing uninsulated/jacket insulated hot water cylinder with a High heat retention cylinder as per the Heating and Domestic Hot Water Systems for dwellings – Achieving compliance with Part L 2008 document: (i.e. that the heat loss from the cylinder will not exceed ***1.6 X (0.2 + 0.051V$^{2/3}$)*** kWh per 24 hours, where V is the nominal cylinder capacity in litres), or a standing loss less than **0.5W/l per hr** Tested to BS 1566: 2002 Copper indirect cylinders for domestic purposes. Open vented copper cylinders. Requirements and test methods and/or BS 7206:1990 Specification for unvented hot water storage units and packages Programmer to have capacity to adjust heating schedule remotely via Web or SMS	770	1,210
CFL*	Per set of tungsten lights replaced (5 no. CFLs per set)[2]	80	80

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LED*	Per set of tungsten lights replaced (5 no. LEDs per set)[2]	85	85
After BER	BER to be completed after efficiency measures have been implemented	None	None
		Energy Credits kWh/yr	
Measure	**Minimum Specification - All measures installed must meet the minimum specification listed below**	**Apartment**	**House**
Electricity Home Energy Reports for Behavioural Energy Efficiency *	• Reports must include personalised comparison, comparing a consumer's energy use (based on electrical consumption as dictated on the dwellings bi-monthly energy bill) against a group of no more than 200 similar households (e.g. by location, size, etc.) • A minimum of six energy reports shall be issued per year to the occupants of the dwelling. The energy reports should follow the issuing of an energy bill and reference the energy usage during that period. • Reports include advice for saving energy • Advice for saving energy is personalised to the recipient • Contact information for final customers' organisations, energy agencies or similar bodies, including website addresses, from which information may be obtained on available energy efficiency improvement measures e.g. SEAI's 'Power of One' campaign, comparative end-user profiles and objective technical specifications for energy-using equipment.	15	15
Natural Gas Home Energy Reports for Behavioural Energy Efficiency*	• Reports must include personalised comparison, comparing a consumer's energy use (based on natural gas consumption as dictated on the dwellings bi-monthly energy bill) against a group of no more than 200 similar households (e.g. by location, size, etc.) • A minimum of six energy reports shall be issued per year to the occupants of the dwelling. The energy reports should follow the issuing of the bill and reference the energy usage during that period • Reports include advice for saving energy • Advice for saving energy is personalised to the recipient • Contact information for final customers' organisations, energy agencies or similar bodies, including website addresses, from which information may be obtained on available energy efficiency improvement measures e.g.	17	17

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	SEAI's 'Power of One' campaign, comparative end-user profiles and objective technical specifications for energy-using equipment.		
Electricity Energy Monitor*	Energy monitor complete with in-house display connected to electricity meter (e.g. linked via clamp on transmitter) In-house display to displaying real time energy and cost consumption	135	210
Shower Energy Monitor*	Energy monitor complete with display, connected to a shower (e.g. linked to the shower hose) displaying real time energy consumption	155	235

[1] Credits only available for **increase in numbers of boilers** serviced over the baseline benchmark.

[2] CFL and LED lights are classed as secondary measures and must be installed along with a primary package of measures.

[3] Heat Pump demonstrated achievement of the requisite SPF when tested to EN 14511-2 in an accredited test house.

* Measure where the age of the house is not required