

Energy Saving Credits:

All works to be completed as per SEAI's Domestic Technical Standards and Specifications and the Better Energy Homes Contractor's Code of Practice. All measures must be installed in dwellings built before 2007 unless otherwise stated

Measure	Minimum Specification - All measures installed must meet the minimum specification listed below	Energy Credits kWh/yr	
		Apartment	House
Roof Insulation	Insulation as per TGD L 2008 <ul style="list-style-type: none"> 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 	730	1,185
External Wall Insulation	To U-Value 0.27 W/m ² K as per TGDL 2008	3,415	5,370
Internal Dry Lining Wall Insulation	To U-Value 0.27 W/m ² K as per TGDL 2008	2,910	4,550
Cavity Wall Insulation	To U-Value 0.50 W/m ² K	1,865	2,960
Floor Insulation	To U-Value 0.36 W/m ² K	635	1,000
Full Window Replacement (incl doors with > 60% glazing)	To U-Value 1.4 W/m ² K	955	1,500
Window glazing envelope replacement (includes doors with > 60% glazing)	Minimum glazing envelopes U-Value 2.1 W/m ² K	445	700
External Door Replacement	To U-Value 1.4 W/m ² K	320	500
Window glazing Low e film (includes doors with > 60% glazing)	Post installation U-Values according to EN 410 and EN 673: <ul style="list-style-type: none"> 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.	70	110
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	3,050	4,795

Energy Saving Credits:

All works to be completed as per SEAI's Domestic Technical Standards and Specifications and the Better Energy Homes Contractor's Code of Practice. All measures must be installed in dwellings built before 2007 unless otherwise stated

Measure	Minimum Specification - All measures installed must meet the minimum specification listed below	Energy Credits kWh/yr	
		Apartment	House
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	3,320	5,230
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	1,070	1,685
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	1,175	1,850
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	1,085	1,715
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	1,165	1,845
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	5,180	8,145
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	5,385	8,480
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	4,685	7,370

Energy Saving Credits:

All works to be completed as per SEAI's Domestic Technical Standards and Specifications and the Better Energy Homes Contractor's Code of Practice. All measures must be installed in dwellings built before 2007 unless otherwise stated

Measure	Minimum Specification - All measures installed must meet the minimum specification listed below	Energy Credits kWh/yr	
		Apartment	House
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	4,895	7,710
Entry Level Heating Controls Upgrade only	24 hour 7 day programmer & room thermostat	455	730
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	500	800
Solid Fuel Room Heater (without back boilers)	65%+ gross seasonal efficiency as per HARP	955	1,500
Biomass Fuelled Room Heater (without back boilers)	65%+ gross seasonal efficiency as per HARP	1,190	1,875
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)	955	1,500
Solar Water Heating Installation	Sized and installed in accordance with SR 50-2	955	1,500
Mechanically-assisted powered cleanse and flush (powerflushing) of system	<ul style="list-style-type: none"> Boiler Service to Manufactures instructions / SEAI checklist Mechanically-assisted powered cleanse and flush (powerflushing) of system to BS 7593 	235	365

Energy Saving Credits:

All works to be completed as per SEAI's Domestic Technical Standards and Specifications and the Better Energy Homes Contractor's Code of Practice. All measures must be installed in dwellings built before 2007 unless otherwise stated

Measure	Minimum Specification - All measures installed must meet the minimum specification listed below	Energy Credits kWh/yr	
		Apartment	House
<p>Mechanically-assisted powered cleanse and flush (powerflushing) of system</p> <p>With the Installation of magnetic filtration system and/or heating system additive to existing heating system</p>	<ul style="list-style-type: none"> Boiler Service to Manufactures instructions / SEAI checklist Mechanically-assisted powered cleanse and flush (powerflushing) to BS 7593 before installation Magnetic filtration with 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 Installation of heating system additive, listed on Energy Saving Trust website as a heating system additive 	365	575
Chimney draught limiter	Permanent mechanically fixed Chimney draught limiter Product to conform to BS 1251 and BS 3376	170	265
Oil Boiler Service	To Manufactures instructions / SEAI checklist ¹	55	55
LPG Boiler service	To Manufactures instructions / SEAI checklist ¹	25	25
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	11,885	18,680
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	12,230	19,235

Energy Saving Credits:

All works to be completed as per SEAI's Domestic Technical Standards and Specifications and the Better Energy Homes Contractor's Code of Practice. All measures must be installed in dwellings built before 2007 unless otherwise stated

Measure	Minimum Specification - All measures installed must meet the minimum specification listed below	Energy Credits kWh/yr	
		Apartment	House
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	9,905	15,570
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	10,255	16,125
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	10,675	16,775
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	11,025	17,335
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	7,320	11,490
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	7,620	11,975

Energy Saving Credits:

All works to be completed as per SEAI's Domestic Technical Standards and Specifications and the Better Energy Homes Contractor's Code of Practice. All measures must be installed in dwellings built before 2007 unless otherwise stated

Measure	Minimum Specification - All measures installed must meet the minimum specification listed below	Energy Credits kWh/yr	
		Apartment	House
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	730	1.150
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	280	440
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	310	485
CFL*	Per set of tungsten lights replaced (5 no. CFLs per set) ²	30	30
LED*	Per set of tungsten lights replaced (5 no. LEDs per set) ²	35	35
After BER	BER to be completed after efficiency measures have been implemented	None	None

Energy Saving Credits:

All works to be completed as per SEAI's Domestic Technical Standards and Specifications and the Better Energy Homes Contractor's Code of Practice. All measures must be installed in dwellings built before 2007 unless otherwise stated

Measure	Minimum Specification - All measures installed must meet the minimum specification listed below	Energy Credits kWh/yr	
		Apartment	House
Electricity Home Energy Reports for Behavioural Energy Efficiency *	<ul style="list-style-type: none"> • 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. 	5	5
Natural Gas Home Energy Reports for Behavioural Energy Efficiency*	<ul style="list-style-type: none"> • 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. SEAI's 'Power of One' campaign, comparative end-user profiles and objective technical specifications for energy-using equipment. 	15	15
Electricity Energy Monitor*	<p>Energy monitor complete with in-house display connected to electricity meter (e.g. linked via clamp on transmitter)</p> <p>In-house display to displaying real time energy and cost consumption</p>	55	85

Energy Saving Credits:

All works to be completed as per SEAI's Domestic Technical Standards and Specifications and the Better Energy Homes Contractor's Code of Practice. All measures must be installed in dwellings built before 2007 unless otherwise stated

Measure	Minimum Specification - All measures installed must meet the minimum specification listed below	Energy Credits kWh/yr	
		Apartment	House
Shower Energy Monitor*	Energy monitor complete with display, connected to a shower (e.g. linked to the shower hose) displaying real time energy consumption	60	95

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