

Energy Company Obligation (ECO2): Measures Table

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This table provides information on the energy efficiency measures which suppliers can install to meet their obligations during ECO2t. Energy efficiency measures exist in an innovative and changing environment, so some of the information in this table may be updated from time to time. Additional notes and information on amendments are at the bottom of this table.

Using this Table: It is the responsibility of each person using this table to read the provisions of the Electricity and Gas (Energy Company Obligation) Order 2014 and subsequent amendments to understand how those provisions apply to them. This table is not intended to be a definitive guide to those provisions.

Measure Category	Measure Type ¹	Eligibility by Obligation ²				Additional Information	In-Use Factor ⁴	Lifetimes ⁵	Relevant PAS Annex ⁶	Measure name: format for notification to Ofgem ⁷
		CERO	HHCRO ³							
			HHMR	SOCIAL	EFG					
Solid Wall Insulation	Internal Wall Insulation Systems, for: a solid brick wall built before - 1967 (England and Wales) - 1965 (Scotland)	✓	✓	✓	✓		33%	36	Annex B8	IWI_solidbrick_pre_a_b
	Internal Wall Insulation Systems, for: a solid brick wall built after - 1967 (England and Wales) - 1965 (Scotland)	✓	✓	✓	✓		25%	36	Annex B8	IWI_solidbrick_post_a_b
	External Wall Insulation Systems, for: a solid brick wall built before - 1967 (England and Wales) - 1965 (Scotland)	✓	✓	✓	✓		33%	36	Annex B4	EWI_solidbrick_pre_a_b
	External Wall Insulation Systems, for: a solid brick wall built after - 1967 (England and Wales) - 1965 (Scotland)	✓	✓	✓	✓		25%	36	Annex B4	EWI_solidbrick_post_a_b
	Internal non-brick solid wall insulation	✓	✓	✓	✓		25%	36	Annex B8	IWI_non_solid_a_b
	External non-brick solid wall insulation	✓	✓	✓	✓		25%	36	Annex B4	EWI_non_solid_a_b
	External Wall Insulation for Cavity Walls ⁸	✓	✓	✓	✓		35%	36	Annex B4	EWI_cavity_a_b
	Internal Wall Insulation for Cavity Walls ⁸	✓	✓	✓	✓		35%	36	Annex B8	IWI_cavity_a_b
	Park Home External Wall Insulation	Park Home External Wall Insulation Systems ⁹	✓	✓	✓	✓		25%	30	Annex B4
Cavity Wall Insulation	Cavity Wall Insulation (0.040)	✓	✓	✓	✓	The values alongside the CWI measure names refer to the thermal conductivity of the product.	35%	42	Annex B1	CWI_0.040
	Cavity Wall Insulation (0.033)	✓	✓	✓	✓		35%	42	Annex B1	CWI_0.033
	Cavity Wall Insulation (0.027)	✓	✓	✓	✓		35%	42	Annex B1	CWI_0.027
	Party Cavity Wall Insulation ⁹	✓	✓	✓	✓		15%	42	Annex B1	PWI_Cavity
Loft Insulation	Loft Insulation: where there is less than or equal to 100mm pre-existing insulation	✓	✓	✓	✓		35%	42	Annex B9	LI_lessequal100
	Loft Insulation: where there is greater than 100mm pre-existing insulation	✓	✓	✓	✓		35%	42	Annex B9	LI_greater100
Other Insulation	Flat Roof Insulation	✓	✓	✓	✓		15%	20	Annex B5	FRI
	Room in Roof Insulation - residual area insulated	✓	✓	✓	✓		25%	42	Annex B12 and B9	RIRI_res_in
	Room in Roof Insulation - residual area uninsulated	✓	✓	✓	✓		25%	42	Annex B12	RIRI_res_unin
	Under Floor Insulation	✓	✓	✓	✓		15%	42	Annex B6	UFI
	Hot Water Cylinder Insulation	✓	✓	✓	✓		15%	10	Annex C5	HWCI
	Draught Proofing	✓	✓	✓	✓		15%	10	Annex B2	DP
	Window Glazing - single to double	✓	✓	✓	✓		15%	20	Annex B3	WG_singletoDOUBLE
	Window Glazing - improved double glazing	✓	✓	✓	✓		15%	20	Annex B3	WG_improveddouble
	High Performance External Doors with less than or equal to 60% glazing area	✓	✓	✓	✓	Final U-value must be 1.5W/m ² K or better.	15%	30	Annex B3	HPED_less_60
	High Performance External Doors with greater than 60% glazing area	✓	✓	✓	✓		15%	20	Annex B3	HPED_greater_60
	Boiler ¹²	Qualifying gas boiler replacement - non-gas boiler installation - no pre-existing heating controls		✓			Replacement of a mains gas-fuelled qualifying boiler with a boiler of any non-gas fuel type.	N/A	12	Annex C3
Qualifying gas boiler replacement - non-gas boiler installation - pre-existing heating controls			✓							QBgas_[wallytype]_preHCs
Qualifying gas boiler replacement - gas boiler installation - no pre-existing heating controls			✓			Replacement of a mains gas-fuelled qualifying boiler with a gas boiler.	N/A	12	Annex C2	QBgas_gas_[wallytype]_nopreHCs
Qualifying gas boiler replacement - gas boiler installation - pre-existing heating controls			✓							QBgas_gas_[wallytype]_preHCs
Qualifying non-gas boiler replacement - no pre-existing heating controls			✓	✓		Replacement of a non mains gas-fuelled qualifying boiler with a boiler of any fuel type.	N/A	12	Annex C3	QB_[wallytype]_nopreHCs
Qualifying non-gas boiler replacement - pre-existing heating controls			✓	✓						QB_[wallytype]_preHCs
Non-qualifying boiler installation ¹¹			✓	✓	✓	Installation of a boiler where there is no heating system in place or there is a heating system other than a qualifying boiler.	N/A	12	Annex C2 or C3	NQB_[wallytype]
Qualifying boiler repair - no pre-existing heating controls			✓	✓		The repair of a qualifying boiler must be accompanied by a warranty of at least 1 year. Where the warranty is greater than 1 year, the 2 year variant is used.	N/A	1	Not included	QB_Repair_[wallytype]_nopreHCs_1
Qualifying boiler repair - pre-existing heating controls			✓	✓			N/A	2	Not included	QB_Repair_[wallytype]_preHCs_2
QESH Replacement		Qualifying electric storage heater replacement (QESH) - slimline		✓	✓		Replacement of a QESH with an ESH. NB: This name shouldn't be used for the replacement of a QESH with any other heating measure other than an ESH. In those instances, the measure name should relate to the measure replacing the QESH.	N/A	20	Annex D1
	Qualifying electric storage heater replacement (QESH) - fan storage		✓	✓		QESH_fan_[wallytype]				
	Qualifying electric storage heater replacement (QESH) - High Heat Retention		✓	✓		QESH_HHR_[wallytype]				
ESH Replacement	Electric storage heater replacement (ESH) - slimline		✓	✓		ESH_slimeline_[wallytype]				
	Electric storage heater replacement (ESH) - fan storage		✓	✓		ESH_fan_[wallytype]				
	Electric storage heater replacement (ESH) - High Heat Retention		✓	✓		ESH_HHR_[wallytype]				
QESH Repair	Qualifying electric storage heater repair - slimline (1 year warranty)		✓	✓		The repair of a qualifying electric storage heater must be accompanied by a warranty of at least 1 year. Where the warranty is greater than 1 year, the 2 year variant is used.	N/A	1	Not included	QESH_Repair_slimeline_[wallytype]_1
	Qualifying electric storage heater repair - slimline (2 year warranty)		✓	✓			2	QESH_Repair_slimeline_[wallytype]_2		
	Qualifying electric storage heater repair - fan storage (1 year warranty)		✓	✓			1	QESH_Repair_fan_[wallytype]_1		
	Qualifying electric storage heater repair - fan storage (2 year warranty)		✓	✓			2	QESH_Repair_fan_[wallytype]_2		
	Qualifying electric storage heater repair - high heat retention (1 year warranty)		✓	✓			1	QESH_Repair_HHR_[wallytype]_1		
	Qualifying electric storage heater repair - high heat retention (2 year warranty)		✓	✓			2	QESH_Repair_HHR_[wallytype]_2		
Other Heating	Heating Controls		✓	✓	✓		N/A	12	Annex C6	Heating_controls_[wallytype]
	District Heating Connections - Upgrade (Biomass boiler)	✓	✓	✓	✓		10%	30	Not included	DHS_biomass_upgrade
	District Heating Connections - Upgrade (Gas/oil boiler)	✓	✓	✓	✓		10%	25	Not included	DHS_gas_oil_upgrade
	District Heating Connections - Upgrade (CHP)	✓	✓	✓	✓		10%	25	Not included	DHS_CHP_upgrade
	District Heating Connections - Upgrade (Energy from Waste)	✓	✓	✓	✓		10%	25	Not included	DHS_EFW_upgrade
	District Heating Connections - Upgrade (Ground Source Heat Pump)	✓	✓	✓	✓		10%	20	Not included	DHS_GSHP_upgrade
	District Heating Connections - Upgrade (Air Source Heat Pump)	✓	✓	✓	✓		10%	15	Not included	DHS_ASHP_upgrade
	District Heating Connections - Upgrade (Multi Fuel)	✓	✓	✓	✓		10%	NI ¹⁰	Not included	DHS_multi_fuel_upgrade
	District Heating Connections - New Connection (All generator types) ¹¹	✓	✓	✓	✓		10%	40	Not included	DHS_new_connection
District Heating Connections - Heat Meters	✓	✓	✓	✓		10%	15	Not included	DHS_heat_meters	
Micro-Generation ¹³	Air Source Heat Pump		✓	✓	✓	Eligible in HHCRO as long as generated heat is used partly or fully for space heating.	N/A	15	Not included	If installed as a QB installation, use appropriate QB measure type name and QB lifetime (12). If not, use NQB_[wallytype] and lifetime relevant to the micro-generation measure type.
	Ground Source Heat Pump		✓	✓	✓		N/A	20	Not included	
	Biomass Boilers		✓	✓	✓		N/A	20	Not included	
	Photovoltaics		✓	✓	✓	Eligible in HHCRO if electric heating is the primary heating source and generated heat is used partly or fully for space heating.	N/A	25	Not included	Solar_PV

Key	
Eligible measure	✓
Eligible only as secondary measure	✓
Eligible only if it meets definition of first time central heating	✓
Eligible only when notified alongside first time central heating measure	✓

Starting U-value 'a'	Solid Wall Insulation Variants				
	Finishing U-value 'b'				
2.1	0.6	0.35	0.3	0.25	0.18
1.7	0.55	0.35	0.3	0.25	0.18
1.0	0.45	0.32	0.3	0.21	0.17
0.6	0.35	0.3	0.24	0.18	0.15
0.45	0.3	0.21	0.17	0.14	

[wallytype] options	
cavity	
solid	

Additional Notes	
1. This list is non-exhaustive. Other measures may qualify, subject to review by Ofgem on a case-by-case basis.	8. Park Home External Wall Insulation Systems, External Wall Insulation for Cavity Walls and Internal Wall Insulation for Cavity Walls do not count towards a supplier's provisional solid wall minimum requirement and are not eligible as 'infill' measures other than under local authority flexible eligibility.
2. Measure eligibility will not change unless the legislation does. CERO: Carbon Emission Reduction Obligation; HHCRO: Home Heating Cost Reduction Obligation.	9. Party Cavity Wall Insulation installations do not need to meet the 50% minimum condition in order to support a secondary measure.
3. Any measures that are eligible under HHCRO are eligible under local authority flexible eligibility.	10. This lifetime will be determined on a case-by-case basis following the methodology set out in the ECO2t Guidance.
4. In-use factors (IUF) are provided in Schedule 2 of the Order, and are defined under 'relevant in-use factor' in Article 2. They are only applied to measures installed under CERO. IUFs will not change unless the legislation does.	11. In properties which have never had a central heating system or electric storage heater, non-qualifying boiler installations and new connections to district heating systems are eligible as first time central heating for measures under the social housing E, F, G provision.
5. This table reflects the standard lifetimes as referred to in ECO2t Guidance.	12. Notifications for qualifying boiler installations should specify the type of boiler which has been installed. Specific information on notification requirements are outlined in the Data Dictionary.
6. Measures installed after 31st May 2017 must be in accordance with the Publicly Available Specification 2030:2017 Version 1. ECO2t measures installed before this may also be installed in accordance with the 2014 version.	13. Micro-generation may be eligible, where the measure installed can be defined as central heating.
7. For solid wall insulation measures, measure types are differentiated by the values 'a' and 'b' given in the measure name. The options for 'a' and 'b' are outlined in the adjacent 'Solid Wall Insulation Variants' table. These options relate to the appropriate SWI deemed score in the Deemed Scores Matrix on our website.	