

Quidos

iQ **ECCO**
Scoring Tool



Quidos Ltd
8 North Parade Buildings
Bath
BA1 1NS

info@quidos.co.uk

What is ECO?

The Energy Companies Obligation (ECO) is the replacement for the Carbon Emissions Reduction Target (CERT) and the Community Energy Saving Programme (CESP) programmes, both of which came to a close in December 2012.

ECO operates across Great Britain (England, Scotland and Wales). It will operate alongside the Green Deal and focuses on both vulnerable consumer groups and hard-to-treat homes.

ECO consists of three distinct targets obligations that larger domestic energy suppliers must meet by 31 March 2015 to avoid a significant fine.

The three obligations are:

1. Carbon Emissions Reduction Obligation (CERO): focuses on the installation of solid wall and hard-to-treat cavity wall insulation.
2. Carbon Savings Community Obligation (CSCO): promotes the installation of insulation of the property and connections to district heating systems in areas of low income and rural areas.
3. Home Heating Cost Reduction Obligation (HHCRO): promotes the installation of measures focusing on the repair and replacement of boilers, to homes in receipt of qualifying benefits, to achieve a decrease in the overall cost of space heating.

The targets for each obligation are:

1. Carbon Emissions Reduction Obligation (CERO) - 20.9 Million Tonnes of CO2 savings
2. Carbon Saving Community Obligation (CSCO) - 8.8 Million Tonnes of CO2 savings
3. Home Heating Cost Reduction Obligation (HHCRO) £4.2 billion of cost savings.

The targets are divided between the obligated suppliers proportionate to their share of domestic customers.

What should you know as an Energy Assessor?

As an Energy Assessor, you are responsible for the quality of work, and the same goes for the production of an ECO score. The underlying data for the ECO score must be collected to the same standard as for a fully lodged EPC.

There are two processes which DEAs can use for producing an ECO Score:

- From a lodged EPC;
- Using Property Data Report (PDR).

The use of the PDR is a chargeable service within iQ-Energy – **£1.50 + VAT***

If you have already lodged the EPC, you will be able to access the ECO Scoring Tool for free.

Accessing: Lodged EPC



Quidos Online CPD Modules

TAKE A LOOK >

07 December 2016, Wednesday

UserName:

Home / Control Panel /

Technical Documents

System News

- Quiz (22/08/2016)
- ALL TRAINING TECHNICAL SUPPORT SHOULD BE MADE TO YOUR TRAINING CENTRE (13/07/2016)
- Welcome to iQ-Energy (27/09/2009)

Menu

- ▶ My Account
- ▼ Domestic Energy Assessment
 - RdSAP Calculation**
- ▶ Commercial Energy Assessment
- ▶ Upload Files
- ▶ Tools

Once you can see your EPC list, you can either create and lodge a new EPC, or click **Edit** on an already lodged report you want to run the ECO report for.

Home | Control Panel | Log out

16 July 2013, Tuesday

Matching Records Found : 4

Countries (All Countries) Language (All Language) Status (All Status) Search Find Export

UPRN	RRN	Property Address	Assessment Date	SAP	ET	Status
7685472468	9868-7054-6289-4527-7960	40, Newton St. Loe, BATH, BA2 9BZ	16/01/2013	D60	D62	Lodged
1288542468	8602-3464-8229-7896-1973	36, Newton St. Loe, BATH, BA2 9BZ	16/01/2013	F36	F37	Lodged
1004742468	8717-6429-4400-0286-7992	35, Newton St. Loe, BATH, BA2 9BZ	16/01/2013	E53	E54	Lodged
3404742468	9668-3047-6209-4527-4944	37, Newton St. Loe, BATH, BA2 9BZ	16/01/2013	E51	E51	Lodged

Per Page 10 Page 1 of 1

Add New Edit Lodge Report Copy Remove Cancel Report Upload for Q/A

Within your report, you will be able to access the ECO Scoring Tool. At the bottom of the page, you will see the button labelled **ECO Scoring Tool**. Clicking this will open up the Tool.

Download EPC Cancel Report Documents SAP Worksheet

ECO Scoring Tool Recommendations tools Site Notes

Accessing: Property Data Report

Age Band(Rooms in Roof)

Main Property

Extension 1

Extension 2

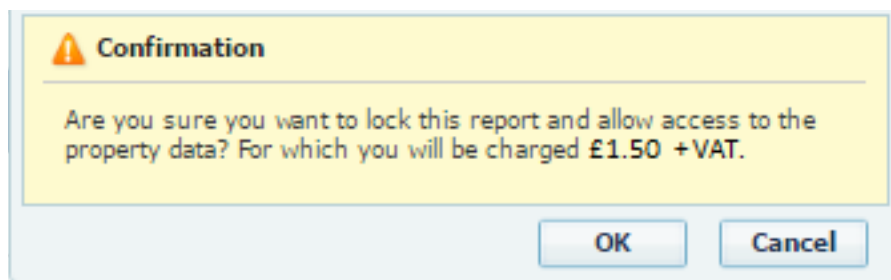
Extension 3

Extension 4

With the EPC calculated and created, you can press the **Property Data** button. This will give you access to the following tools without having to lodge the EPC first:

- ECO Scoring Tool
- Property Data Report (including heat demand calculation)
- Site Notes
- Draft XML

When you press the button, you will be presented with the following warning:



If you press the **OK** button and you are on the **ESSENTIAL PACKAGE**, 1 PDR lodgement will be deducted from your account. The screen will change to display the following buttons:

Extension 3


Extension 4

You can still lodge this property to the Domestic Register (Landmark/EST) but the **Property details** and **Classification** screens are now locked and no further changes can be made on these screens.

The other screens will allow changes to be made; if the job is for ECO, you can now add insulation or change the heating arrangements, press the **Save** and **Calculate** buttons and be able to download the PDR and property XML to send to the provider.

What is the Property Data Report?

Our single sheet PDR report, allows you produce reports for ECO and Domestic RHI without having to lodge an EPC to the register. This report gives the **Carbon Score** to three decimal places, the **Cost Score** to two decimal places and uses the approved RdSAP engine, meaning it's acceptable for ECO purposes.



Created 12/12/2016
110, Myrtle Side Close, NORTHWOOD, HA6 2GD

Property Data Report

Property details

Reference number	[REDACTED]
EPC language	[REDACTED]
UPRN	[REDACTED]
Post Code	
Region	ThamesValley
Address	
Town	NORTHWOOD
County	
Property tenure	Rented (private)
Transaction type	ECO assessment
Inspection date	22 November 2016

Current SAP rating	E 48	Potential SAP rating	B 86
Current EI rating	E 41	Potential EI rating	B 84

Current annual emissions	6.031 (TCO2)
Current annual energy costs	£ 1322.34 (£)

Energy Efficiency Rating

	Current	Potential
<i>Very energy efficient - lower running costs</i>		
(92 plus) A		86
(81-91) B		
(69-80) C		
(55-68) D		
(39-54) E	48	
(21-38) F		
(1-20) G		
<i>Not energy efficient - higher running costs</i>		

This graph shows the current efficiency of your home, taking into account both energy efficiency and fuel costs. The higher this rating, the lower your fuel bills are likely to be.

Environmental Impact (CO₂) Rating

	Current	Potential
<i>Very environmentally friendly - lower CO₂ emissions</i>		
(92 plus) A		84
(81-91) B		
(69-80) C		
(55-68) D		
(39-54) E	41	
(21-38) F		
(1-20) G		
<i>Not environmentally friendly - higher CO₂ emissions</i>		

This graph shows the effect of your home on the environment in terms of carbon dioxide (CO₂) emissions. The higher the rating, the less impact it has on the environment.

Your Properties Heat Demand

For most homes the majority of energy costs derive from room heating, this table shows the energy that could have been saved in this property by insulating the loft and walls, where the figures are displayed in brackets this is a reduction in energy use.

Annual heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space Heating(KWH)	25.431	1.127	0	(12.0121)
Water Heating(KWH)	2.324			

This report was created using a fully accredited RdSAP engine
 Software version: Quidos IQ-Energy Version 3.0.2.1
 RdSAP version: 9.92
 PCDF version: 401

ECO Calculations

Pressing the **ECO Scoring Tool** button, will allow you to generate ECO scoring reports for Carbon and Cost savings per measure based on the BRE-approved iQ-Energy RdSAP engine. This will be suitable for submission directly or via a third-party to the Energy Companies.

NOTE: QUIDOS LIMITED ACCEPTS NO LIABILITY FOR DIRECT OR INDIRECT LOSSES ASSOCIATED WITH THE USE OF, OR THE REPORTS GENERATED BY THIS TOOL.

Rather than a set of recommendations produced by the RdSAP engine, each ECO measure is manually added and the Cost/Carbon saving calculated.

To add a measure, simply press the **Add** button.



You will now be able to input your first ECO improvement measure.

Add Eco Improvement

Sequence	1
Category: *	<input type="text" value="Choose"/>
Measure Type: *	<input type="text" value="Choose"/>
Installation Date:	<input type="text"/>

You must complete the field with are marked with a star (*).

The drop-down option for the **Category** field fills intelligently, meaning that only the eligible measures based on the previously input data will be displayed in the list.

The Category types which could be included are:

Solid Wall Insulation
Park Home External Wall Insulation
Cavity Fill
Loft Insulation
Other Insulation

Boiler
Electric Storage Heating
Other Heating
District Heating System
Micro-Generation

The in-use factor and life time of the measure will be automatically populated from the measure selected.

Note: to use the approved software, you must know the measure that will be installed in the property; this might be the u-Value of the insulation or the make and model of the new boiler to be installed. The installation date is key to determine the appropriate carbon saving for the measure and must be the date of completion of the measure.

After you have completed the fields, press **Save**.

Add Eco Improvement

Sequence: 1

Obligation: *

Category: *

Measure Type: *

In Use: *

Lifetime: *

Installation Date:

Heating Source:

Efficiency Source:

Heating Fuel:

Brand Name:

Model Name:

Model Qualifier:

Apply System:

Above is an example of how the tool would look for an input boiler replacement. You should ensure to follow all the boxes on the page, for example, with insulation measures, you will need to state the total property area being improved by that measure, such as 100% of the loft being insulated.

To edit the measure, click on the measure in the **Measure Type** column; to delete the measure click on the **Delete** link in the operation column.

ECO Status: Fill in the information

Sequence	Measure Type	Installation Parameters	Obligation & Category	The Results	Operation
1	Non_QB_installation	Lifetime : 12 In Use : 0.0 Installation Date :	Obligation :HHCRO Category :Boiler	Annual Cost Saving : 0.0 Cost Score : 0.0 Annual Carbon Saving : 0.0 Carbon Score : 0.0 Cost Per Carbon Saving : 0.0 Implementation Cost : 0.0	Delete

At this point, you can press **Calculate** to generate the ECO Scores for this measure.

To edit the input measures, or to add an additional measure, just press the **Recalculate** button.

ECO Status: Calculate

Sequence	Measure Type	Installation Parameters	Obligation & Category	The Results
1	Non_QB_installation	Lifetime : 12 In Use : 0.0 Installation Date :	Obligation : HHCRO Category :Boiler	Annual Cost Saving : 343.33 Cost Score : 4119.96 Carbon Score : 0.0 Annual Carbon Saving : 0.0 Cost Per Carbon Saving : 0.0 Implementation Cost : 0.0

Pressing **Finish** will close and lock the ECO Scoring Tool. You will not be able to re-calculate or add any additional measures.

The Quidos Technical Support team will be able to unlock the Tool if you log a support ticket with the RRN of report. Visit support.quidos.co.uk to log a support ticket.

Once the ECO measures have been completed, the scores can be downloaded as a **PDF**, in a **CSV** file (suitable for opening in Excel) or as an **XML** document.

ECO Status: Finish

Sequence	Measure Type	Installation Parameters	Obligation & Category	The Results	
1	Non_QB_installation	Lifetime : 12 In Use : 0.0 Installation Date : 22/07/2013	Obligation : HHCRO Category :Boiler	Annual Cost Saving : 343.33 Carbon Score : 0.0 Implementation Cost : 0.0	Cost Score : 4119.96 Annual Carbon Saving : 0.0 Cost Per Carbon Saving : 0.0
2	Heating_controls	Lifetime : 12 In Use : 0.0 Installation Date : 22/07/2013	Obligation : HHCRO Category :OtherHeating	Annual Cost Saving : 37.28 Annual Carbon Saving : 0.0 Cost Per Carbon Saving : 0.0	Cost Score : 447.36 Carbon Score : 0.0 Implementation Cost : 0.0

After you download the relevant document, you can go back to the RdSAP calculation by clicking on **Close**. You will be able to return to the page by pressing the **ECO** button.

Still Need Help?

The Quidos Technical Support team are on hand if you have any further queries:

 support@quidos.co.uk

 <http://support.quidos.co.uk>

 (01225) 667 570



Type	Category	Measure Name	Measure Code	Additional Information
Insulation	Solid Wall Insulation	Internal Wall Insulation Systems, for: a solid brick wall built before - 1967 (England and Wales) - 1965 (Scotland)	IWI_solid_pre1967_E&W_pre1965_S	
		Internal Wall Insulation Systems, for: a solid brick wall built after - 1967 (England and Wales) - 1965 (Scotland)	IWI_solid_from1967_E&W_from1965_S	
		External Wall Insulation Systems, for: a solid brick wall built before - 1967 (England and Wales) - 1965 (Scotland)	EWI_solid_pre1967_E&W_pre1965_S	
		External Wall Insulation Systems, for: a solid brick wall built after - 1967 (England and Wales) - 1965 (Scotland)	EWI_solid_from1967_E&W_from1965_S	
		Internal non-brick solid wall insulation	IWI_non_solid	
		External non-brick solid wall insulation	EWI_non_solid	
	Park Home External Wall Insulation	Park Home External Wall Insulation Systems	EWI_Parkhomes	
	Cavity Wall Insulation	Cavity Wall Insulation	Standard_CWI	
		External Wall Insulation for Cavity Walls	Standard_cavity_EWI_solution	
		Internal Wall Insulation for Cavity Walls	Standard_cavity_IWI_solution	
		Party Cavity Wall Insulation	PWI_Cavity	PWI_Cavity cannot support a secondary measure in CERO.
	Loft Insulation	Loft Insulation Ceiling : Virgin Level	LI_ceiling_level_virgin	
		Loft Insulation Ceiling : Top-up	LI_ceiling_level_topup	Input as total improved depth
		Loft Insulation (rafter)	LI_rafter	
		Room in Roof Insulation	RIRI	
		Flat Roof Insulation	FRI	
	Other Insulation	Under Floor Insulation	UFI	
		Hot Water Cylinder Insulation	HWCI	
		Insulation to all primary pipework	PWI	
		Draught Proofing	DP	
		Window Glazing	WG	
Passageway Walk-through Doors		PWWD		
High Performance External Doors with less than or equal to 60% glazing area		HPED_less_60	Final U-value must be 1.5W/m2K or better	
High Performance External Doors with greater than 60% glazing area		HPED_greater_60	Final U-value must be 1.5W/m2K or better	

Type	Category	Measure Name	Measure Code	Additional Information
Heating	Boiler	Qualifying boiler replacement	QB_Replacement_Warranty	Replacement of a qualifying boiler of any fuel type with a non-gas boiler OR replacement of a non-gas qualifying boiler with a boiler of any fuel type
		Qualifying boiler replacement - mains gas	QB_Replacement_Gas_Warranty	Replacement of a gas qualifying boiler with a gas boiler
		Qualifying boiler replacement - non-boiler	QB_Replacement_Non_Boiler	Replacement of a qualifying boiler with any heating system other than a boiler or an ESH
		Qualifying boiler replacement - electric storage heaters	QB_Replacement_ESH_Warranty	Replacement of a qualifying boiler with an ESH
		Non-qualifying boiler installation	Non_QB_installation_Warranty	Installation of a boiler where there is no heating system in place or there is a heating system other than a qualifying boiler
		Qualifying boiler repair (1 year warranty)	QB_Repair_1_year	
		Qualifying boiler repair (2 year warranty)	QB_Repair_2_year	
	ESH	Qualifying electric storage heater replacement (QESH)	QESH_Replacement_Warranty	Replacement of a QESH with an ESH NB: This name shouldn't be used for the replacement of a QESH with any other heating system other than an ESH. In those instances, the measure name should relate to the measure replacing the QESH.
		Electric storage heaters (ESH)	ESH_Replacement_Warranty	
		Qualifying electric storage heater repair (1 year warranty)	QESH_Repair_1_year	
		Qualifying electric storage heater repair (2 year warranty)	QESH_Repair_2_year	
	Other Heating	Warm Air Units	Warm_air_units	
		Heating Controls	Heating_controls	
		Flue Gas Heat Recovery Device	Heat_recovery_flue_gas	
		Heat Recovery Ventilation	Heat_recovery_ventilation	
Radiator Panels		Radiator_panels		