



## **Level 1 Award in Understanding Carbon Awareness and Energy Management**

### **Qualification Specification**

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## Introduction

The **Level 1 Award in Understanding Carbon Awareness and Energy Management** qualification aims to raise awareness and change behaviour to improve energy efficiency, help lower carbon emissions and reduce costs. Candidates will gain an awareness of the impact of energy consumption.

The awarding organisation for this qualification is ProQual Awarding Body and the regulatory body is the Office of Qualifications and Examinations Regulation (Ofqual). The specification for the qualification has been approved by the Welsh Government for use by centres in Wales and by the Council for the Curriculum Examinations and Assessment (CCEA) for use by centres in Northern Ireland.

This qualification has been accredited onto the Regulated Qualifications Framework (RQF).

## Qualification Profile

|                             |   |
|-----------------------------|---|
| Qualification title         | <b>ProQual Level 1 Award in Understanding Carbon Awareness and Energy Management</b>                                |
| Ofqual qualification number | 601/2506/8  |
| Level                       | Level 1   |
| Total qualification time    | 15 hours  |
| Guided learning hours       | 10  |
| Assessment                  | Pass or fail<br>Internally assessed and verified by centre staff<br>External quality assurance by ProQual verifiers |
| Qualification start date    | 1/2/14  |
| Qualification end date      |   |

## Entry Requirements

There are no formal entry requirements for this qualification.

Centres should carry out an **initial assessment** of candidate skills and knowledge to identify any gaps and help plan the assessment.

## Qualification Structure

Candidates must complete the Mandatory unit.

| Mandatory             |  |            |     |
|-----------------------|--|------------|-----|
| Unit Reference Number | Unit Title                             | Unit Level | GLH |
| H/505/9447            | Carbon Awareness and Energy Management | 1          | 10  |

## Centre Requirements

Centres must be approved to offer this qualification. If your centre is not approved please complete and submit form **ProQual Additional Qualification Approval Application**.

### Staff

Staff delivering this qualification must be appropriately qualified and occupationally competent.

### Assessors/Internal Quality Assurance

For each competence-based unit centres must be able to provide at least one assessor and one internal verifier who are suitably qualified for the specific occupational area. Assessors and internal verifiers for competence-based units or qualifications will normally need to hold appropriate assessor or verifier qualifications, such as:

- Award in Assessing Competence in the Work Environment
- Award in Assessing Vocationally Related Achievement
- Certificate in Assessing Vocational Achievement
- Award in the Internal Quality Assurance of Assessment Processes and Practices
- Certificate in Leading the Internal Quality Assurance of Assessment Processes and Practices

## Support for Candidates

Materials produced by centres to support candidates should:

- enable them to track their achievements as they progress through the learning outcomes and assessment criteria;
- provide information on where ProQual's policies and procedures can be viewed;
- provide a means of enabling Internal and External Quality Assurance staff to authenticate evidence

## Assessment

Candidates must demonstrate the level of knowledge described in the unit. Assessment is the process of measuring a candidate's knowledge and understanding against the standards set in the qualification.

Each candidate is required to produce evidence which demonstrates their achievement of all of the learning outcomes and assessment criteria for each unit.

Evidence can include:

- assignments/projects/reports
- worksheets
- portfolio of evidence
- record of oral and/or written questioning
- candidate test papers

**Learning outcomes** set out what a candidate is expected to know, understand or be able to do.

**Assessment criteria** specify the standard a candidate must meet to show the learning outcome has been achieved.

*Learning outcomes and assessment criteria for this qualification can be found from page 7 onwards.*

## Internal Quality Assurance

An internal quality assurance verifier confirms that assessment decisions made in centres are made by competent and qualified assessors, that they are the result of sound and fair assessment practice and that they are recorded accurately and appropriately.

## Adjustments to Assessment

Adjustments to standard assessment arrangements are made on the individual needs of candidates. ProQual's Reasonable Adjustments Policy and Special Consideration Policy sets out the steps to follow when implementing reasonable adjustments and special considerations and the service that ProQual provides for some of these arrangements.

Centres should contact ProQual for further information or queries about the contents of the policy.

## Results Enquiries and Appeals

All enquiries relating to assessment or other decisions should be dealt with by centres, with reference to ProQual's Enquiries and Appeals Procedures.

## Certification

Candidates who achieve the requirements for qualifications will be awarded:

- A certificate listing the unit achieved, and
- A certificate giving the full qualification title -

**ProQual Level 1 Award in Understanding Carbon Awareness and Energy Management**

### Claiming certificates

Centres may claim certificates for candidates who have been registered with ProQual and who have successfully achieved the requirements for a qualification. All certificates will be issued to the centre for successful candidates.

### Replacement certificates

If a replacement certificate is required a request must be made to ProQual in writing. Replacement certificates are labelled as such and are only provided when the claim has been authenticated. Refer to the Fee Schedule for details of charges for replacement certificates.

# Learning Outcomes and Assessment Criteria

## Unit H/505/9447

### Carbon Awareness and Energy Management

| Learning Outcome - The learner will:                                    | Assessment Criterion - The learner can:   |
|---|---|
| 1 Understand what is meant by energy and carbon emissions               | 1.1 State what is meant by the term <b>energy</b><br>1.2 State what is meant by the term <b>carbon emissions</b>  |
| 2 Understand the importance of energy consumption monitoring            | 2.1 Identify different sources of energy<br>2.2 Identify how carbon emissions occur in the consumption of energy<br>2.3 State how energy consumption is measured<br>2.4 State how energy consumption impacts on:<br>a) cost<br>b) the environment<br>c) carbon emissions<br>d) security<br>2.5 Describe how the level of carbon emissions can vary depending on how and when energy is used |
| 3 Understand the link between energy consumption and usage of equipment | 3.1 State how energy consumption varies depending on the different types of equipment used<br>3.2 State how energy consumption changes depending on how equipment is used<br>3.3 How energy saving devices can be used to reduce energy consumption   |
| 4 Understand the purpose and role of energy reporting                   | 4.1 State what is meant by energy reporting and why it is important<br>4.2 State the legal requirements for energy reporting<br>4.3 Identify the methods that organisations use to report energy consumption<br>4.4 Identify how energy reporting can contribute to reducing energy consumption   |
| 5 Understand how to save energy and reduce carbon emissions             | 5.1 Identify how an individual's behaviour impacts on energy use and carbon emissions<br>5.2 Identify what action can be taken to reduce energy consumption   |



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