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## KEY SKILLS COMMUNICATION Level 3 - Wind power

November 2004

# Final Mark Scheme

### Part A - short-answer questions

Q1 Using the information in documents 1, 2 and 3, identify <b>three</b> different reasons, one from each document, why Britain is a suitable place for the development of wind farms.			
Coverage	Marking guide	Marks	Max Marks
3.2.1	Candidate has selected different reasons from all <b>three</b> documents	1 mark	1 mark
3.2.2	<p>Candidate has identified different reasons from the source documents. e.g.</p> <p>Document 1</p> <p>a) wind farms can be sited on hills and mountains b) potential for offshore wind farms c) Britain is a region of high wind speeds</p> <p>Document 2</p> <p>d) enough potential power around Scottish coast to supply 75% of Britain's electricity needs e) politically desirable</p> <p>Document 3</p> <p>f) Britain is the windiest nation in Europe g) public opinion</p> <p>For 2 marks for 'wind' candidate must refer to speed and amount. Accept any other valid reasons from the documents.</p>	1 mark for each reason identified (max 3 marks)	3 marks
Total for Question			4 marks

**Q2** Using information from Documents 1 and 2, identify **three** main points about the relationship between wind energy and the environment. Assess to what extent wind energy is an appropriate response to concerns about the environment and global warming.

Coverage	Marking guide	Marks	Max Marks
3.2.1	Candidate has selected relevant material from documents 1 and 2	1 mark	1 mark
3.2.2	<p>Candidate has <b>identified</b> the main points about the relationship between wind energy and environmental factors. eg:</p> <p>a) Impacts of wind power are low, local and manageable pol  b) Need to replace nuclear power stations by 2005 (doc 2)  c) Gas and coal give out harmful emissions e.g. Sulphur Dioxide, Carbon Dioxide or Nitrogen Oxide (docs 1 and 2)  d) Britain's public commitment to the Kyoto agreement (doc 2)  e) The reduction of greenhouse gas emissions (doc 2)</p> <p>Accept any other valid point made environmental (space)</p>	1 mark for each point (max 3 marks)	3 marks
3.2.3	<p>Candidate has <b>provided a valid assessment</b> of the extent to which wind energy is appropriate to concerns over the environment and global warming with reference to some of the points highlighted above and/or any other valid points that they have made. This may include consideration of economic issues.</p>	Up to 3 marks	3 marks
Total for Question			7 Marks

**Q3** Explain to what extent the photographic image in document 1 (image 1) supports the arguments put forward in the text of document 1 and explain to what extent the image in document 2 (image 2) supports the arguments put forward in the text of document 2.

Coverage	Marking guide	Marks	Max Marks
3.2.2	<p>Candidate has <b>identified</b> accurately the main argument(s) in document 1. e.g.</p> <p>a) Wind power is more environmentally friendly than fossil fuels  b) Wind turbines blend well into the rural environment  c) Normal farming activities can continue</p> <p>Accept any other valid argument from the document.</p>	1 mark	
3.2.3	<p>Candidate has <b>explained</b> how the image supports the argument(s) put forward in the text.</p> <p>Candidate has <b>synthesised</b> effectively the key information from image and text to determine the extent of which the image supports the argument(s) put forward in the text</p> <p><b>NB:</b> Marks should be awarded irrespective of whether the candidate feels the image <b>does</b> or <b>does not</b> support the text provided, if appropriate explanation is given.</p>	1 mark  1 mark	
3.2.2	<p>Candidate has <b>identified</b> accurately the main argument(s) in document 2. e.g.</p> <p>d) Wind farms are going to cost the tax payer  e) Cost of paying for wind power will raise electricity bills</p> <p>Accept any other valid argument from the document.</p>	1 mark	
3.2.3	<p>Candidate has <b>explained</b> how the image supports the argument(s) put forward in the text.</p> <p>Candidate has <b>synthesised</b> effectively the key information from image and text, to determine the extent to which the image supports the argument(s) put forward in the text</p> <p><b>NB:</b> Marks should be awarded irrespective of whether the candidate feels the image <b>does</b> or <b>does not</b> support the text provided, if appropriate explanation is given.</p>	1 mark  1 mark	
Total for Question			6 Marks



## Part B Extended Answer Question

**Q5** The Energy Research Council (ERC) has commissioned you to write a report on the differences between traditional energy production and wind power.

Using information from all 3 documents, write a structured report for the ERC in which you look at the impact of traditional energy production (nuclear and fossil fuels) and wind power on the environment, the economy, and on public perception.

Make recommendations about the future development of wind power as an alternative energy source in this country.

Coverage	Marking guide	Marks	Max Marks
3.3.1	<p>Candidate has:</p> <ul style="list-style-type: none"> <li>selected an appropriate form of a formal report for presenting the information (a minimum of a heading and at least 1 sub-heading)</li> <li>used an appropriate style and structure to add clarity to the text (for example the use of numbering, indentation, bullet points, paragraphing or other stylistic features.</li> <li>used a formal tone in writing.</li> </ul>	<p>1 mark</p> <p>1 mark</p> <p>1 mark</p>	3 marks
3.3.2	<p>Candidate has:</p> <ul style="list-style-type: none"> <li>used own words in an effective manner to present relevant information</li> <li>used specialist vocabulary appropriately e.g. environment, turbines, sustainable, global warming, use of statistics</li> <li>demonstrated an understanding of the arguments for and against wind power taking into account economic, environmental and public perception issues.</li> <li>presented a balanced view, based on information from the documents.</li> <li>made clear and sensible recommendations about the future development of wind power as an alternative energy source.</li> </ul>	<p>Up to 3 marks</p> <p>Up to 1 mark</p> <p>Up to 5 marks</p> <p>Up to 2 marks</p> <p>Up to 2 marks</p>	
			13 marks

<p><b>3.3.3</b> Band 1 The candidate spells, punctuates and uses grammar with reasonable accuracy e.g.</p> <ul style="list-style-type: none"> <li>the spelling of simple words is usually accurate</li> <li>full stops and capital letters are accurately used to demarcate sentences. Commas in lists are used accurately.</li> <li>There may be some grammatical errors, e.g. confusion of pronouns, tense and some lack of cohesion.</li> </ul> <p>Band 2 The candidate spells, punctuates and uses grammar with considerable accuracy e.g.</p> <ul style="list-style-type: none"> <li>the spelling of words with complex regular patterns is usually accurate</li> <li>a range of punctuation including commas, apostrophes and inverted commas is used correctly including to mark sentences and clauses</li> <li>the work is mostly grammatically accurate showing that the candidate can construct complex sentences accurately, use pronouns so that their meaning is clear, makes accurate subject/verb agreement and uses tenses accurately and consistently, although there may be occasional errors of sentence separation.</li> </ul> <p>Band 3 The candidate spells, punctuates and uses the rules of grammar with almost faultless accuracy e.g.</p> <ul style="list-style-type: none"> <li>virtually all spelling, including that of irregular words is usually correct. Any errors stand out as untypical or 'one-off' slips</li> <li>punctuation is accurate and is used to vary pace, clarify meaning, avoid ambiguity and create deliberate effects</li> <li>grammar is accurate and gives appropriate variation in sentence structure.</li> </ul>	<p>1-3 marks</p> <p>4-7 marks</p> <p>8-9 marks</p> <p>9 marks</p>
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Total for Question	25 marks
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**Total for Part B 25**

**TOTAL MARKS FOR TEST 50**

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