

LATE SCOPING CONSULTATION RESPONSES

Consultation bodies have 28 days to respond with any comments, stating either the information that they consider should be included in the ES or that they do not have any comments.

Any responses received after the deadline will not be considered within the scoping opinion but are forwarded to the applicant for consideration in accordance with the policy set out in the Commission's Advice Note 7: Environmental Impact Assessment, Screening and Scoping.

The following EIA scoping consultation responses were received after the consultation deadline specified under legislation and therefore did not form part of the Commission's scoping opinion.

From: [IPC Enquiries](#)
To: [IPC Scoping Opinion; David Cliff;](#)
[Mike Harris;](#)
Subject: FW: Proposed Offshore Wind Farm
Date: 26 November 2010 16:38:09

[Please see attached for your information](#)

From: Heidi Grant [mailto:bawdsey-pc@hotmail.co.uk]
Sent: Friday, November 26, 2010 3:27 PM
To: IPC Enquiries
Subject: Proposed Offshore Wind Farm

Dear Sir/Madam,

Bawdsey Parish Council were recently consulted on the proposed offshore wind farm off the coast of Norfolk and Suffolk. We currently have no further comments to make at this time. However, we would like to confirm that we wish to remain on the list of consultees. Please send future documentation regarding this project to the address below:

Heidi Grant
Bawdsey Parish Clerk
40 Ferry Road
Bawdsey
Woodbridge
Suffolk
IP12 3AW

Yours Sincerely
Heidi Grant

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From: [Kidd, Susan](#)
To: [IPC Scoping Opinion](#)
Subject: Proposed Offshore Wind Farm, Norfolk
Date: 11 November 2010 17:02:31
Attachments: [SKMBT_C55010111117331.pdf](#)

Attention: David Cliff

Please find attached our response regarding the scoping opinion sought for the above proposal.

Should you have any queries regarding this matter, please don't hesitate to contact me.

Susan Kidd
Marine Planning & Policy Co-ordinator



The Crown Estate
16 New Burlington Place
London W1S 2HX
Tel: 020 7851 5248
Fax: 020 7851 5125
Email: Susan.
Kidd@thecrownestate.co.uk
www.thecrownestate.co.uk

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Infrastructure Planning Commission
Attention: David Cliff
Temple Quay House
Temple Quay
Bristol
BS1 6PN

Dr Tim Norman
Senior Planning Manager
Tel: 020 7851 5045
Fax: 020 7851 5125
E-mail: tim.norman@thecrownestate.co.uk

05 November 2010

Dear Mr Cliff

PROPOSED OFFSHORE WIND FARM, NORFOLK
SCOTTISH POWER RENEWABLES

Reference is made to your letter dated 1 October 2010 inviting The Crown Estate to comment on the scoping report for the Environmental Statement for the above proposal.

I can advise that, in this instance, The Crown Estate has no comments on the scoping report for this proposal.

Should you have any queries or require any additional information with regard to this matter, please do not hesitate to contact me on 0207 851 5045.

Yours sincerely,



Dr Tim Norman
Senior Planning Manager

From: [Stanbridge, Jane](#)
To: [Jameson, Darren](#) ;
cc: [Thompson, Helen](#); [Stevens, Rosalind](#); [Harston, Andrew](#); [Taylor, Daren](#);
[IPC Scoping Opinion](#);
Subject: RE: East Anglian Offshore - IPC Scoping
Date: 09 November 2010 13:06:49

Dear Darren,

Thank you for these links, having reviewed the content, Hutchison Ports UK Limited on behalf of its subsidiary companies Harwich International Port Limited and the Felixstowe Dock and Railway Company (the Port of Felixstowe) note that you have included provision within the scoping reports for assessment of impacts that your proposals may have on commercial shipping activities within the defined area, navigation, risk of collision and impact on dredge activities, matters in which we have an interest.

We note that the revised scoping document will be issued early in 2011 and will review this when made available.

In the meantime do not hesitate to contact me if you require any further information from our organisations to assist at this stage.

Yours sincerely,

Jane Stanbridge.

Senior Manager Planning
Port Development Department
Hutchison Ports (UK) Limited
Tel: +44 (0)1394 604435
Fax: +44 (0)1394 604667
Mobile: 0784801 5653

From: Jameson, Darren [mailto:Darren.Jameson@ScottishPower.com]
Sent: 04 November 2010 15:36
To: Stanbridge, Jane
Cc: Thompson, Helen; Stevens, Rosalind
Subject: RE: East Anglian Offshore - IPC Scoping

Dear Jane,

Thank you for contacting us regarding the scoping report.

My name is Darren Jameson and I am assisting Helen Thompson on the development of East Anglia ONE.

It is unfortunate that you have missed the IPC online consultation deadline. I understand the IPC have implemented a tight deadline and am pleased to provide you with our scoping documents as requested.

The documents are quite large so I have provided links to our website for both the offshore scoping report, and the supplementary report dealing with the electricity export cables to a land based substation.

Supplementary Scoping Document

http://scottishpowerdownloads.opendebate.co.uk/downloads/EIA_Final_Supplementary%20Scoping%20Report.pdf

Scoping Document

http://www.eastangliawind.com/assets/downloads/Final_EIA_Scoping_Report.pdf

The supplementary scoping report is a high level document and makes reference to a wide cable corridor.

This corridor has been undergoing refinement for many months through an environmental constraints assessment, and through engagement with consultees.

We are keen to work with you to refine this corridor, and are interested in exploring any suggestions you make within your scoping response.

Once scoping responses have been received from participating consultees and incorporated into the studies, a revised scoping document will be issued early in 2011 for comment on a smaller cable corridor, and ideally, specific cable routes.

We look forward to receiving your thoughts in due course. However, If you have any immediate questions, please do not hesitate to contact Helen, Rosalind or myself.

Kind regards,

Darren Jameson

Assistant Project Manager
ScottishPower Renewables
4th Floor
1 Atlantic Quay
Glasgow
G2 8JB

t: 0141 614 0405

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From: [Askew Paul](#)
To: [IPC Scoping Opinion;](#)
Subject: Scoping Consultation Request: East Anglia Offshore Windfarm
Date: 09 November 2010 13:14:51
Attachments: [20100820EastAngliaOneScopingEastAnglia.pdf](#)

Dear Sirs

Please find attached correspondence already passed to East Anglia Offshore Wind in relation to the East Anglia One wind farm. You should also be cognisant of the following policy

<http://www.caa.co.uk/docs/7/20100728LightingOfOffshoreWindTurbinesWinchLightingIssueDate20100802.pdf>

Sincerely

Paul Askew

Renewable Energy Projects Officer
Directorate of Airspace Policy
K6G4 CAA House 45-59 Kingsway London WC2B 6TE
0207 453 6529

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Directorate of Airspace Policy

Ms Helen Thompson (via e-mail)
East Anglia Offshore Wind

20 August 2010

Reference: ERM/DAP/Wind/EastAngliaOne

Dear Ms Thompson

Proposed East Anglia ONE Wind Turbine Development – Scoping Opinion Comment

Thank you for your recent correspondence relating to the proposed East Anglia ONE wind turbine development. You sought related Civil Aviation Authority (CAA)¹ comment related to the associated Scoping Report (SR); I trust the following is useful.

The world is split into Flight Information Regions for the purposes of Air Traffic Control and these generally equate to nation state boundaries albeit on an approximate basis. I must advise you that any developments to the east of a line drawn between 51.5°N, 2°E and 55°N, 5°E fall into the Amsterdam Flight Information Region and hence would be under the regulation of the Dutch CAA (IVW). It may be that the Dutch have delegated control to NATS in this area but this will need to be confirmed. The CAA will support you in gaining access to the appropriate agency, should you need it.

As with all wind turbine developments of this scale, the ES will need to detail the associated viewpoints of both NATS and Ministry of Defence (MoD). To that end, I note the SR also details the intent to consult with these organisations.

With respect to Landfall, the EIA may need to address issues of power line routing between Landfall and the onshore substation(s) if the power lines are a significant height above ground.

Additionally, if more generically, all parties should be aware that:

- There might be a need to install aviation obstruction lighting to some or all of the associated wind turbines should development proposals be progressed.
- International aviation regulatory documentation requires that the rotor blades, nacelle and upper 2/3 of the supporting mast of wind turbines that are deemed to be an aviation obstruction should be painted white, unless otherwise indicated by an aeronautical study. It follows that the CAA advice on the colour of wind turbines would align with these international criteria.
- There is a civil aviation requirement in the UK for all structures over 300 feet high to be charted on aviation maps. Should this development progress and the 300 feet height be breached, to achieve this charting requirement, developers will need to provide details of the development to the Defence Geographic Agency.
- There is a CAA perceived requirement for a co-ordinated regional wind turbine development plan, aimed at meeting renewable energy priorities, whilst addressing aviation concerns and minimising such proliferation issues. It would be helpful to assess the opportunities to work in collaboration

¹ Please note that the CAA point of contact address used by the Council was inappropriate; related and similar enquiries should be forwarded to the CAA Directorate of Airspace Policy.

Civil Aviation Authority

CAA House 45-59 Kingsway London WC2B 6TE www.caa.co.uk
Telephone 020 7453 6529 Fax 020 453 6565 paul.askew@caa.co.uk

with other developments in the region.

Any associated ES should mention and, where applicable, address the issues highlighted above.

Yours sincerely

{original signed}

Paul Askew
Renewable Energy Projects Officer

Policy Statement

The Lighting of Wind Turbine Generators in United Kingdom Territorial Waters

1 Scope and Definition

- 1.1 The following policy guidelines shall apply to any wind turbine generator that is situated in waters within or adjacent to the United Kingdom up to the seaward limits of the territorial sea and the height of which is 60 metres or more above the level of the sea at the highest astronomical tide.
- 1.2 A 'wind turbine generator' is a generating station which is wholly or mainly driven by wind.
- 1.3 Whilst the mandated requirement for the lighting of wind turbine generators on UK territorial waters is set out at Article 220 of the UK Air Navigation Order (ANO) 2009¹ (available at <http://www.caa.co.uk/docs/33/CAP393.pdf>), this Policy Statement provides associated additional guidance.

2 Policy

- 2.1 The mandated obstruction lighting requirement associated with Wind Turbine Generators in United Kingdom Territorial Waters is set out at Article 220. The Article requires medium intensity (2000 candela) steady red lighting mounted on the top of each nacelle and requires for some downward spillage of light. The Article allows for the CAA to permit that not all turbines are so lit. Routinely, for the purposes of Article 220, the CAA will require that those turbines on the periphery of any windfarm need to be equipped with aviation warning lighting.
- 2.2 However, the lighting that is displayed below the horizontal plane of the light fitment itself is proving to cause difficulties to the maritime community. Work is currently being undertaken to develop an aviation warning lighting standard where, from the nature of the lighting, it will be evident to mariners that the aviation lighting is clearly distinguishable from maritime lighting. To that end, the Department for Energy and Climate Change is leading investigations into the potential use of flashing lighting to fulfill the aviation lighting requirement below the horizontal plane of the light fitment (ie the lighting displayed below nacelle height). Pending the outcome of this work, the CAA can advise that at this stage:
- a) The lighting standard for lights displayed at and above the horizontal will remain as set out in Article 220.

¹ A re-issue of the ANO resulted a renumbering of the associated Article; without any amendment of the aviation lighting requirement for offshore turbines, Article 134 became Article 220.

- b) There is a future possibility that, as opposed to the use of steady lighting, the Article 220 requirement will be interpreted to reflect the use of flashing red lighting, displaying a morse code 'W'.
 - c) There is no intent to change the lighting intensity specifications set out in Article 220.
 - d) Attention is drawn to the provisions that already exist within Article 220 that **require** the reduction in lighting intensity at and below the horizontal and **allow** a further reduction in lighting intensity when the visibility in all directions from every wind turbine is more than 5km. All offshore wind turbine developers are expected to comply fully with the requirement aspect and to make full use of the additional allowance that exists within Article 220.
 - e) It is likely that, if flashing lighting is deemed appropriate, the flash sequence on each turbine within the same wind farm development would be required to be synchronized (ie all lighting 'flashes' at the same time).
- 2.3 In the mean time, until the use of flashing lighting has been subject to further, DECC-sponsored research and development, the CAA requires that turbines on the periphery of the development will need to be fitted with aviation warning lighting. Currently the lighting specification will be in line with Article 220.
- 2.4 In addition to the Article 220 mandated lighting requirement which deals with routine lighting of offshore turbines as obstructions, there may also be a lighting requirement associated with winching and Search and Rescue (SAR) operations:
- a) Winching. The lighting needed to facilitate helicopter hoist operations to wind turbine platforms conducted by day in visual meteorological conditions is set out in CAP 437². Such lighting consists of:
 - i) Low intensity (16-60 candela) steady green lighting used to indicate to the pilot that it is safe to operate.

and, with the exception of turbines equipped with Article 220 obstruction lighting where such lighting is also displayed during the day:
 - ii) Low intensity (50/200 candela) steady red obstruction lighting. Such lighting needs to be mounted on the top of the fixed structure of each turbine (the nacelle) and displayed when winching operations are anticipated. There is no requirement for such lighting to be displayed below the horizontal (ie below nacelle height).
 - b) SAR. The Maritime and Coastguard Agency (MCA) advise that for SAR purposes, providing that turbines are lit for the purposes of Article 220 or with lighting to support winching operations (see bullets above) there is no additional lighting requirement. However, MCA request that "all lights should be under the control of the wind farm control centre or, out of hours, a person who has rapid access to control of the wind farm lighting and turbines so that they can be switched off/on as required by the emergency situation".

² "Offshore Helicopter Landing Areas – Guidance on Standards, available at <http://www.caa.co.uk/docs/33/CAP437.PDF>

- 2.5 Finally, note that for military aviation purposes the Ministry of Defence (MoD) may suggest an additional lighting requirement (albeit, one that is not necessarily supported by legislation). Whilst it is possible that the lighting standard described above will meet the MoD needs, it is recommended that in all cases developers additionally seek related input from the Defence Estates organisation.

3 DAP Point of Contact:

Off-Route Airspace 5
Directorate of Airspace Policy
CAA House
45-59 Kingsway
London
WC2B 6TE

Telephone: 0207 453 6545

CAA FOD Point of Contact:

Flight Operations Inspectorate (Helicopters)
Safety Regulation Group
Aviation House
Gatwick Airport South
West Sussex
RH6 0YR

Telephone: 01293 573696