

# REPORT

## Boston Alternative Energy Facility

### Application Form

Client: Alternative Use Boston Projects Ltd  
Planning Inspectorate Reference EN010095  
Document Reference 1.3  
Pursuant to APFP Regulation: 5(1)  
Reference: PB6934-LIT-ZZ-XX-RP-Z-3001  
Status: Final/0.0  
Date: 23 March 2021





## Application for Development Consent for Nationally Significant Infrastructure Projects under the Planning Act 2008

\* required information

### Application Form

Please read guidance documents relating to the submission of applications prior to completing this form including [government guidance](#) and the Planning Inspectorate's [Advice Note Six: Preparation and submission of application documents](#).

\* Do you have a reference number?

Yes  No

\* Reference number

### 1. Applicant



\* Organisation

### Address

\* Building number or name

\* Street

\* City or town

County or administrative area

\* Postcode

\* Country

\* Name of contact

\* Telephone number

Fax number

\* Email



### 2. Agent

\* Are you an agent acting on behalf of the Applicant?

Yes  No

\* Organisation

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### Address

* Building number or name	Rightwell House
* Street	Rightwell East
* City or town	Peterborough
County or administrative area	
* Postcode	PE3 8DW
* Country	United Kingdom
* Name of contact	[REDACTED]
* Telephone number	[REDACTED]
Fax number	
* Email	[REDACTED]@rhdhv.com

### 3. Fee ?

\* State the arrangement for the application fee payment:

BACS       CHAPS       Cheque

\* Please provide payment reference details

### 4. Confirming why the Planning Inspectorate should receive the application ?

\* Brief statement to explain why this application is, or is to be treated as, a development for which development consent is required under the Planning Act 2008

The Facility constitutes a project falling within the definition of a Nationally Significant Infrastructure Project (NSIP) under the Planning Act 2008 by virtue of the Facility requiring the building, commissioning and operating of a generating station with an energy generating capacity greater than 50 megawatts electric (MWe). Consent for the Facility would therefore require a Development Consent Order (DCO) to be submitted to the Secretary of State.

### 5. Non-technical description of the Proposed Development ?

\* Brief non-technical description of the Proposed Development

The Facility will deliver 102 MWe (gross) and approximately 80MWe (net) of energy to the National Grid using Refuse Derived Fuel (RDF) as feedstock. The main elements of the Proposed Development that are subject of this DCO, together with a description of how the Facility will operate are set out below:

1. A wharf and associated infrastructure (including re-baling facility, workshop, transformer pen and welfare facilities);
2. An RDF bale contingency storage area, including sealed drainage, with automated crane system for transferring bales;
3. Conveyor system running in parallel to the wharf between the RDF storage area and the RDF bale shredding plant. Part of the conveyor system is open and part of which is under cover (including thermal cameras);
4. Bale shredding plant;
5. RDF bunker building;
6. Thermal Treatment plant comprising three nominal 34 MWe (circa 120 MWth) combustion lines and associated

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- ductwork and piping, transformer pens, diesel generators, three stacks, ash silos and ash transfer network; and air pollution control residues (APCr) silo and transfer network;
7. Turbine plant comprising steam turbine generators, make-up water facility and associated piping and ductwork;
  8. Air-cooled condenser structure, transformer pen and associated piping and ductwork;
  9. Lightweight Aggregate (LWA) manufacturing plant comprising four kiln lines, two filter banks with stacks, storage silos for incoming ash, APCr, and binder material (clay and silt), a dedicated berthing point at the wharf, silt storage and drainage facility, clay storage and drainage facility, LWA workshop, interceptor tank, LWA control room, aggregate storage facility and plant for loading aggregate / offloading clay or silt;
  10. Electrical export infrastructure;
  11. Two carbon dioxide (CO<sub>2</sub>) recovery plants and associated infrastructure, including chiller units; and
  12. Associated site infrastructure, including site roads, pedestrian routes, car parking, site workshop and storage, security gate, control room with visitor centre and site weighbridge.
  13. Habitat Mitigation Works for redshank and other bird species comprising improvements to the existing habitat through the creation of small features such as pools/scrapes and introduction of small boulders within the Habitat Mitigation Area.

## 6. Location or route of the Proposed Development

?

\* Description of location of application site(s), or route of development (reference to appropriate plans)

The Application Site is located approximately 2 km to the south east of Boston town centre (NGR TF339424). The Application Site covers 26.8 hectares (ha) and comprises two components:

- the Principal Application Site (NGR TF33950 42241), which covers 25.3 ha and will contain all of the operational infrastructure; and
- the Habitat Mitigation Area, which covers 1.5 ha and is located approximately 170 m to the south east of the Principal Application Site, encompassing an area of saltmarsh and small creeks that will be enhanced at the margins of The Haven.

The Principal Application Site is neighboured to the west by the Riverside Industrial Estate and to the east by The Haven, a tidal waterway of the River Witham between The Wash and the town of Boston. The A16 public highway is approximately 1.3 km to the west of the Principal Application Site.

By road, the Principal Application Site is accessed via the Riverside Industrial Estate's existing road network from Nursery Road. Access to the site from the west to Marsh Lane is gained from Bittern Way.

The Principal Application Site comprises undeveloped and previously developed land enclosed by a network of drainage ditches and forms part of a wider emerging industrial/commercial area.

The eastern site margins of the Principal Application Site are defined in part by a flood defence bank along The Haven. Large and small industrial business units are located to the north, west and south of this site. A 132 kV overhead powerline on pylons traverses the site from north to south and bisects the Principal Application Site.

The Boston Biomass UK No.3 Ltd gasification plant, presently constructed but undergoing commissioning, is located on the eastern boundary of the Principal Application Site, and a waste management facility which processes construction and demolition waste is located to the east of Nursery Road and west of the Principal Application Site.

A Household Waste Recycling Centre (HWRC) is located to the west of the Principal Application Site, south of the junction with Nursery Road/Callen Road. Public access to the HWRC is from Bittern Way. A Waste Transfer Station (WTS) operated by Lincolnshire County Council (LCC) is located to the south of the Principal Application Site, off Slippery Gowt Lane.

\* Is the site a single site or a linear site?

- Single site       Linear site

### Grid reference

\* Easting

339

Continued from previous page...

\* Northing

\* Document reference

**7. Associated Development**



\* Associated Development is included within this application:

Yes  No

\* Document reference

\* Document reference

**8. a) Consultation Report**



\* Document reference

**8. b) Copies of newspaper notices**



\* Document reference

**9. Draft Development Consent Order**



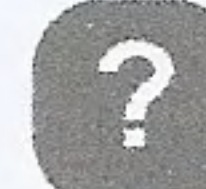
\* Document reference

**10. Explanatory Memorandum**



\* Document reference

**11. Land Plan**



\* Document reference

**12. Works Plan**



Continued from previous page...

\* Document reference

**13. Compulsory Acquisition of land or an interest in land or right over land**



\* Issues are relevant for this application:

Yes  No

Statement of reasons document reference

Funding statement document reference

Book of Reference document reference

**14. a) Environmental Impact Assessment (EIA)**



\* Environmental Statement (ES) required:

Yes  No

\* ES Document Reference

**14. b) Screening Opinion/ Direction and Scoping Opinion/ Direction**



\* Screening Opinion sought, or direction received:

Yes  No

\* Scoping Opinion sought:

Yes  No

Document reference

**14. c) Publicity required under Regulation 13 of The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (or where the transitional provisions apply, Regulation 11 of The Infrastructure Planning (Environmental Impact Assessment) Regulations 2009)**



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In addition to publishing the notice, a copy of the notice was sent to:

\* the consultation bodies

\* Yes

\* the persons notified to the Applicant in accordance with Regulation 11(1)(c) of The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (or where the transitional provisions apply, Regulation 9(1)(c) of The Infrastructure Planning (Environmental Impact Assessment) Regulations 2009):

Yes  No, not applicable

**15. European sites (to which Regulation 63 of The Conservation of Habitats and Species Regulations 2017 and/ or Regulation 28 of the Conservation of Offshore Marine Habitats and Species Regulations 2017 applies) or a Ramsar site.**

?

\* Report required for this application:

Yes  No

\* Document reference

**16. A plan, with accompanying information, identifying any statutory or non statutory sites or features of nature conservation, geological or landscape importance; habitats of protected species, important habitats or other diversity features; and water bodies in a River Basin Management Plan - together with an assessment of any effects likely to be caused by the Proposed Development.**

?

\* Issues are relevant for this application:

Yes  No

\* Document reference

**17. A plan, with accompanying information, identifying any statutory or non statutory sites or features of the historic environment such as scheduled monuments, World Heritage sites, listed buildings and other historic structures, archaeological sites and registered battlefields, together with an assessment of any effects likely to be caused by the Proposed Development**

?

\* Issues are relevant for this application:

Yes  No

\* Document reference

**18. Flood Risk Assessment**

?

Continued from previous page...

\* Flood Risk Assessment required:

Yes  No

\* Document reference

6.4.13

Add another reference

**19. Matters set out in section 79(1) (statutory nuisances etc) of the Environmental Protection Act 1990**

?

\* Statement required for this application:

Yes  No

\* Document reference

5.5

Add another reference

**20. A plan with any accompanying information identifying any Crown land**

?

\* Issues are relevant for this application:

Yes  No

\* Document reference

4.2

Add another reference

**21. A plan identifying new or altered means of access, stopping up of streets or any diversions, extinguishments or creation or rights of way or public rights of navigation**

?

\* Issues are relevant for this application:

Yes  No

\* Document reference

4.5

Add another reference

**22. Additional information for specific types of infrastructure**

?

\* Additional information is required to be submitted in accordance with Regulation 6 of The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009:

Yes  No

\* Provide a brief description

Chapter 5 of the Environmental Statement (document reference 6.2.5) provides a description of the Facility including the electrical connection and an Electricity Grid Connection Statement (document reference 5.6) has been prepared to comply with Regulation 6(1)(a)(i) of The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009.

\* Document reference

5.6



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Add another reference

Regulation 6 of the Infrastructure Planning (Applications: Prescribed Forms and Procedures) Regulations 2009 requires additional information to be submitted with the following types of development.

\* Please check any of the following boxes that apply:

- Construction or extension of a non offshore generating station (Reg. 6 (1a))
- Construction or extension of an offshore generating station (Reg. 6 (1b))
- Highway related development (Reg. 6 (2) (part 1))
- Construction or alteration of a railway (Reg. 6 (2) (part 2))
- Construction or alteration of harbour facilities (Reg. 6 (3))
- Construction of a pipeline (Reg. 6 (4))
- Construction or alteration of a hazardous waste facility (Reg. 6 (5))
- Construction of a dam or reservoir (Reg. 6 (6))

**Construction or extension of a non offshore generating station (Reg. 6 (1a))**

\* Provide a statement of who will be responsible for designing and building the connection to the electricity grid

Western Power Distribution will be responsible for designing and building the connection to the electricity grid. The Application is accompanied by an Electricity Grid Connection statement, document reference 5.6.

\* Is it a gas fuelled generating station?

- Yes                       No

**23. Any other plans, drawings and sections necessary to describe the proposal for which development consent is sought, and any other documents, reports or information to support the application**



Provide a brief description of any other plans, drawings and sections that are being submitted with this application

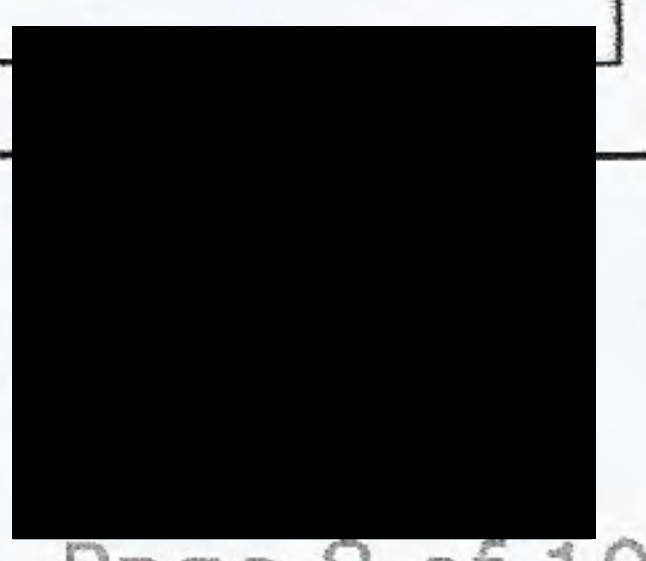
In addition to those plans referred to above; the following plans are submitted with this application: Illustrative Landscape Plan; Water Bodies in a River Basin Management Plan; Indicative Generating Station Plans; Indicative Electrical and Water Connection Plans; Indicative Wharf Plans; Access and Rights of Way Plan; and Temporary construction laydown areas required for the construction of the Facility.

Document reference                      4.4; 4.5; 4.7; 4.9; 4.10; 4.11 and, 6.3.2.

Add another reference

Provide a brief description of any other documents considered necessary to support the application

Design and Access Statement; Other Consents and Licenses; Combined Heat and Power Assessment; Fuel Availability and Waste Hierarchy Assessment; Outline Code of Construction Practice; Outline Construction Traffic Management Plan; Outline Written Scheme of Investigation; Outline Landscape and Ecological Mitigation Strategy; Outline Lighting Strategy and Register of Environmental Actions and Commitments.



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Document reference

5.3; 5.4; 5.7; 5.8; 7.1; 7.2; 7.3; 7.4; 7.5;  
7.6.

Add another reference

Provide a brief description of any other information provided that is in support of the application, but which has not been explicitly required

Document reference

Add another reference

## 24. Other consents/ licences required under other legislation



\* Other consents/ licences are required:

Yes  No

\* Provide a list of consents/licences

- i) Electricity Generation Licence for the operation of the generating station .
- ii) Connection Offer Agreement.
- iii) Environmental Permit- The Environmental Permitting (England and Wales) Regulations 2016 (as amended).
- iv) Building Regulations Approval - The Building Regulations 2010 (as amended)
- v) Bespoke permit for discharge to surface water - The Environmental Permitting (England and Wales) Regulations 2016 (as amended).
- vi) Land Drainage Consent from the IDB to discharge into their controlled network (IDB byelaws) Sections 23 and 66 of The Land Drainage Act 1991.
- vii) Section 61 Consent Control of noise on construction sites Boston Borough Council Control of Pollution Act 1974. Applications may be made, .
- viii) Flood Risk Activity Permit (for structures in, under or over a main river/ permanent culverts)
- ix) Trade effluent discharge consent .
- x) Permit for Transport of Abnormal Loads -The Road Vehicles (Authorisation of Special Types) (General) Order 2003 or The Road Traffic Act 1988.
- xi) Notification of Construction Works -The Construction (Design and Management) Regulations 2015.
- xii) Hazardous Substances Consent -Sections 4 and 6 of The Planning (Hazardous Substances) Act 1990 & Schedule 1 of The Planning (Hazardous Substances) Regulations 2015.
- xiii) Registration as a waste carrier, broker or dealer.

You must cite the document references as appropriate

\* Document reference

5.4

Add another reference

## 25. Declaration



I declare to the best of my knowledge that the information given in this form and enclosed maps, plans and other documents are true.

Please note there is a requirement for one hard copy of the form to be signed. Please ensure that when you submit you include at least one signed copy. Further copies do not require the hand written signature.

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Signature

(For and on behalf of the Applicant)

\* Name

(In block letters)

\* Date

/  /   
dd mm yyyy

\* Organisation

\* Position within the organisation

