

# BIODIVERSITY PLAN

- This form is not valid without an official correlated & current NET signed Certificate of Approval
- This form is solely for use for planning applications falling under the Dorset Biodiversity Appraisal Protocol.
- Form must be completed in full – DO NOT AMEND OR REMOVE ANY SECTIONS. FORMS SUBMITTED WITH SECTIONS DELETED WILL BE RETURNED.

## Section A: Planning Application Details

Planning authority	Planning Officer (if known)	Application number (if known)	OUTLINE	FULL	HYBRID	NET USE ONLY
Dorset Council				X		Planning decision
Proposed development (please state area in hectares where appropriate)						
The application is for an Energy Recovery Facility and associated infrastructure, totalling 5.55ha in size, within Portland Port.						
Number of new units	N/A	Grid reference	SY 69671 74210			
Site address	Peat Bay, Incline Road, Portland, Dorset		Post code	DT5 1DB		
Ecological consultant	Adam Day	Ecological consultancy	Lindsay Carrington Ecological Services			

## Section B: Details of Biodiversity Features Affected

Protected species / BAP interests	Habitat feature (e.g. sett, pond, hedgerow, roof void, tree roost)	Type of bat roost (e.g. maternity, summer, hibernation, historic)	Population estimate and status (High, Medium, Low or Unknown)
<b>Maritime plants of interest</b>	<i>Asplenium marinum</i> -Sea Spleenwort <b>Dorset Notable</b> <i>Euphorbia portlandica</i> Portland Spurge <b>Dorset Notable</b> <i>Inula crithmoides</i> Golden Samphire <b>Dorset Notable</b> Orobanche hederarum Ivy Broomrape <b>Dorset Notable</b> <i>Spergularia media</i> Greater Sea-spurrey <b>Dorset Notable</b> <i>Spergularia rupicola</i> Rock Sea-spurrey <b>Dorset Notable</b> <i>Adiantum capillus-veneris</i> Maidenhair Fern <b>Nationally Scarce</b>	N/A	N/A
<b>Black Redstart</b>	Foraging on site with some breeding behaviour recorded	N/A	The site was utilised by up to nine individuals for foraging during key migration periods and three birds were consistently recorded wintering on the site and adjacent foreshore.
<b>Notable invertebrates</b>	Adonis Ladybird <i>Hippodamia variegata</i> <b>Dorset Notable</b> Lesser Cockroach <i>Ectobius panzeri</i> <b>Dorset Notable</b> Six belt clearwing <i>Bembecia ichneumoniformis</i> <b>Dorset Notable</b> (not listed as notable in Pantheon) micro moth associated with		All at least Dorset notables.

	<i>Echium vulgare</i> <i>Ethmia bipunctella</i> Nb - <b>V.rare Dorset</b> (not listed as notable in Pantheon).		
<b>Commuting and foraging bat species</b>	Scrubbed bank	N/A	Low numbers of common and widespread species were recorded during previous static monitoring surveys along the periphery of the site.

Please tick or place a X in the following boxes:

<b>Worst-case scenario for bats</b>	YES		NO	X	<b>DERC search</b>	YES	X	NO		N/A		<b>SNCI (within 1km)</b>	YES	X	NO	
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**WCS FOR BATS ONLY justification statement: state level of impact and level of potential. Outline implications from delay for the application.**

**Summary of survey findings: include / or roost description and date of survey(s)**

International site designations within 5km: Chesil Beach & The Fleet Ramsar, Chesil Beach & The Fleet SPA, Chesil & The Fleet SAC, Isle of Portland to Studland Cliffs SAC. National site designations within 5km: Chesil Beach and Stennis Ledges MCZ, Chesil & The Fleet SSSI, Isle of Portland SSSI, Nicodemus Heights SSSI, Portland Harbour Shore SSSI.

The DERC search showed records for protected plants, priority lichens, protected butterflies, protected reptiles, many protected birds, and a priority terrestrial mammal within 2km, and at least seven species of bat within 5km. There are four local sites within 1km.

The Phase 1 habitats on the ERF site are hardstanding, bare ground (rubble) with patches of open mosaic, and fringes of continuous scrub and ephemeral/short perennial. The access route and Port areas comprise hardstanding, buildings, and a strip of coastal grassland.

Bat roosts were ruled out for tunnels, walls and other structures on and adjacent to site during PRA's of these features. Static monitoring of the site periphery for previous applications recorded low numbers of common and widespread bat species. Considering there had been no changes to the site since those surveys, updates were not deemed necessary due to the site overall low suitability for foraging and commuting bats.

No birds nest on the ERF site. At least three black redstarts overwintered on and adjacent to the site, and may breed there. Reptiles are absent. Hedgehog could be present. The nationally-scarce maidenhair fern is present on the east edge of the ERF site. Notable invertebrate species including Adonis Ladybird *Hippodamia variegata*, Lesser Cockroach *Ectobius panzer*, Six belt clearwing *Bembecia ichneumoniformis* and micro moth associated with *Echium vulgare* *Ethmia bipunctella* were recorded.

### Section C: BATS ONLY: Existing Bat Roost / Feature

<b>Roost type</b> e.g. roof void, cavity, tree	N/A			<b>Foraging/commuting habitat</b>	YES		NO	
<b>Roost dimensions (m)</b>	<b>Void width</b>		<b>Void length</b>		<b>Void height (at apex)</b>			
<b>Roof aspect</b>	N / S		NE / SW		E / W	SE / NW		

**Section D: BATS ONLY: MITIGATION ONLY Summary (Please detail NET GAIN in Section H)**

**TYPE OF MITIGATION**

Permanent replacement		Modified roost		Temporary replacement roost		Bat boxes / bricks	
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**TIMING OF WORKS TO ROOST (Please specify when works will take place by calendar month)**

When works to existing roost can take place	N/A						
Completion of temporary roost provision (if applicable)							
Completion of permanent roost (if applicable)							
EPS Licence required PLEASE TICK OR X RELEVANT BOX.	YES		NO		Low impact class licence required	YES	NO

**DESCRIPTION OF ALTERNATIVE TEMPORARY REPLACEMENT ROOST. INCLUDE: POSITION E.G. EXISTING BUILDING, NEW STRUCTURE, TREE**

Temporary roost type e.g. bat box							
Temporary roost void dimensions(m)	Void width		Void length		Void height (at apex)		
Roof aspect	N / S		NE / SW		E / W	SE / NW	
Make of bat box	Number		Position				

**DETAILS OF PERMANENT ROOST**

Replacement roost type e.g. roof void, bat box							
Replacement roost void dimensions(m)	Void width		Void length		Void height (at apex)		
Roof aspect	N / S		NE / SW		E / W	SE / NW	
Make of bat box / brick to be installed	Number		Make of bat box / brick to be installed				

**DETAILS OF MITIGATION ONLY – INCLUDE FORAGING HABITAT, METHOD STATEMENT, MONITORING/COMPLIANCE & DESCRIPTION OF BAT ROOST FEATURES. INCLUDE: A PLAN SHOWING LOCATIONS OF ACCESS POINT(S), BAT BRICKS/BOXES, INTERNAL ROOSTING FEATURES. ENSURE MEASURABLE NET GAIN IS PLACED IN SECTION H.**

Existing lighting levels at the site are high due to floodlighting being used along the suitable habitat corridors for bats. The proposed lighting scheme for the site will drop light levels to 0.5 lux or below at ground level and up to 3m and over this to 0.1lux or less. (Please see lighting report).

The final lighting plan will be in accordance with the BCT and Institute of Lighting Professionals (ILP GN08:2018 – Bats and artificial lighting in the UK) guidance and will be agreed by an ecologist.

**Section E: Other Protected Species (NOT BATS): Mitigation ONLY Summary**

**(Detail NET GAIN in Section H ONLY)****TYPE OF MITIGATION**

Avoidance of harm through best practice		Measures to deter individuals from location				Capture and translocation of individuals			
Controlled destruction of place of shelter / breeding site		Replacement of place of shelter / breeding site				Habitat enhancement measures			X
EPS/NE Licence required PLEASE TICK OR X RELEVANT BOX.	YES		NO		Low impact class licence required	YES		NO	

**Section F: Other Protected Species (NOT BATS) & Habitats: Mitigation & Method Statement****(Detail NET GAIN in Section H ONLY)**

List and quantify all mitigation features that *must* be applied to mitigate impacts to protected species and habitats and that will form a permanent part of the new development (e.g. number of bird boxes, length of native hedge planting, number or area of ponds).  
**Ensure long-term management plans for habitats such as hedgerows are referenced here.**

The site habitats are mainly comprised of open mosaic types areas totalling 0.87 hectares. Coastal limestone grassland/maritime plant community of an area less than 0.001 hectares is also present which includes a distribution of Dorset Notable plant species which are scattered over a wide area. These habitats will be totally lost by the development which will equate to a loss of 0.871ha.

To mitigate for the loss of these habitats, the following will be integrated into the proposals and will be created using seed mixes of site species and Dorset notables that will be sourced from Portland on adjacent sites:

**0.064ha Bare sand/shingle/pebble/boulder habitat**, planted with coastal/maritime species including Dorset notables found on site. This also provides black redstart foraging habitat. Bare sand patches will be managed for burrowing invertebrates.

**0.062ha Mosaic habitats** with translocated material from the existing site, oversown and plug planted with a seed mix of existing site species and Dorset notables. Will provide black redstart foraging habitat and habitat for invertebrates.

**0.14ha surface area of gabion walls**, to be planted up with species including the nationally scarce maidenhair fern found on site in appropriate areas and then maritime and drought tolerant natives in exposed areas. Will provide black redstart foraging habitat and habitat for invertebrates. Maidenhair fern will not be imported and the existing site population will be encouraged to spread and propagated by dividing existing plants in the spring.

**Section G: Off-site Compensation (N.B. Off-site measures will not be covered by planning condition)**

Residual biodiversity losses may occur due to loss of nesting habitat, rough grasslands, hedgerows etc. and maybe addressed by an appropriate funding contribution or equivalent measures on another site.

**After on-site mitigation will the scheme result in a residual loss to biodiversity?**

**NB. If 'yes' summarise additional off-site compensation measures below.**

YES

X

NO

Habitats totalling 0.871ha will be lost to the development. To provide some mitigation, relevant habitats totalling 0.127ha will be provided as part of the proposals. Therefore, there will be a residual loss of 0.744ha after development. To compensate for this loss, a calculation has been made using the Dorset Biodiversity Compensation Framework, to calculate the minimum financial contribution required for offsite provisions. Financial compensation required = Compensation area (Area lost (A) x Risk (R) x Spatial (S) x Time (T) multipliers) x total compensation cost (the capital cost + 30-year discounted maintenance cost). In this instance:

**A= 0.744ha**

**R= 3.0** (medium)

**S= 2.0** (Compensation habitat (CH) is located elsewhere but is nevertheless considered to be significantly contributing to the buffering, linking, restoring or expanding of existing habitat).

**T= 3.0** (Minimum period for creating BAP priority grasslands of SSCI standard with appropriate soil conditions).

Total compensation cost= £6,215 (using lowland calcareous grassland fee as recommended by DNET)

Therefore, offsite compensation costs=  $0.744 \times 3.0 \times 2.0 \times 3.0 \times 6,215 = \text{£}83,231.28$ . This compensation payment will be used to secure the restoration of associated habitats on Portland.

An assessment has been undertaken of the development site biodiversity and reviewed under the Dorset Biodiversity Appraisal Protocol. All other impacts will be assessed in accordance with Environmental Impact Assessment (EIA) and Conservation of Habitats and Species Regulations 2017.

### Section H: Net gain ONLY Measures (ALL SPECIES)

Summarise the measures to be secured in accordance with National Planning Policy Framework and Section 40 of the Natural Environment & Rural Communities Act 2006. **DO NOT INCLUDE MITIGATION IN THIS SECTION.**

- 5 bat boxes e.g. Schwegler 2FN located in dark parts of the building or on nearby railway bridge
- 5 hedgehog hibernation boxes located in the quieter fringes of the site
- 5 nest boxes for black redstart and at least 25 other nest boxes in suitable locations on and adjacent to the site, utilising existing structures and new buildings/structures. Including for grey wagtail, pied wagtail, swifts, common and widespread passerines such as blue tit.
- 10 Invertebrate hotels for solitary insects such as bees and wasps.

### Section I: Include an annotated illustrative masterplan for all residential developments / plan drawings for householder applications. Make sure that ecological features, mitigation and enhancements are clearly indicated.



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**Section J: Specify compliance measure(s) WHICH MUST BE EVIDENCED AND SUPPLIED TO THE NET.**

Tick here for cases requiring an EPS licence or of an area greater than 0.1ha for a post construction compliance visit and report to be sent to the NET.	<input checked="" type="checkbox"/>	Tick here for simple cases where photographic evidence of the completed mitigation / enhancement measures is appropriate.	
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Does the development fall between 400m-5km of the Dorset Heaths SAC /Dorset Heathlands SPA/Ramsar?	YES		NO	<input checked="" type="checkbox"/>
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**Section K: Declaration (To be completed by applicant/agent/ecological consultant PRIOR TO SUBMISSION)**


**NB. THIS FORM IS NOT VALID UNLESS SIGNED BY ALL PARTIES AS SET OUT BELOW**

**I hereby confirm that the measures set out in this BP will be completed in full including where stated above an application for an EPS/NE/Low Impact Class Licence.**

Name of APPLICANT/AGENT	Giles Frampton (Powerfuel Portland)	Signed- G. Frampton.	Date: 28.08.2020
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**OR The applicant will comply with the measures set out in this BP and complete them in full.**

Name of ECOLOGICAL CONSULTANT	Adam Day	Signed	A. P. Day	Date: 28.08.2020
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NET signature		Date	19th October 2020
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- **This form is solely for use under the Dorset Biodiversity Appraisal Protocol.**
- **Read the published guidance for completing BP forms and ensure it is FULLY complied with.**
- Visit [www.dorsetcouncil.gov.uk](http://www.dorsetcouncil.gov.uk) to read the guidance documents.
- Ensure **ALL** BPs are submitted with ecology reports (unless agreed otherwise with the Natural Environment Team **prior** to submission) to [net@dorsetcouncil.gov.uk](mailto:net@dorsetcouncil.gov.uk)
- Expand boxes above or use a continuation sheet. Ensure **ALL** continuation sheets are clearly referenced to the BP.
- Payment **MUST** be made with submission. For charges & payment methods visit [www.dorsetcouncil.gov.uk](http://www.dorsetcouncil.gov.uk)
- Certificates will be issued using the date of the signature.
- Compliance (Section J) is for NET information only and must not be relied upon for the discharge of planning conditions.
- **The Applicant and not the Ecological Consultant is responsible for complying with the measures set out in this BP and for completing them in full.**
- Where ecological consultants sign this form on behalf of the applicant, the applicant is not obliged to engage that consultant for further work.
- Data submitted may be extracted by Dorset Environmental Records Centre.