Project

Teffont BESS
Biodiversity Net Gain

Project No

EC1937-02

Client

Nadder Energy

Date

November 2022 (Revised)

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Final Version completed by:
Vicky Rusby ACIEEM

Technical check completed by:
Paula Richings MCIEEM

Project Manager Disclosure:

The advice which we have prepared and provided is true to the best of our knowledge and utilises information available at the time. The advice has been prepared and provided in accordance with the CIEEM's Code of Professional Conduct.

Quality check completed by:
Helen Satchell

Date

November 2022 (Revised)

This Assessment is only valid for the named client and the project described. enims Ltd accepts no responsibility or liability for the consequences of this document being used for a purpose other than the purpose for which it was commissioned. If the scope of works or timing of the project is altered the advice given in this report may not be valid.

Contents

1 Biodiversity Calculations……4

1.1 Introduction……..4

1.2 Results……..4

1.2.1 On-site pre-development……...4

1.2.2 On-site post-development created……...4

1.3 Outcomes……..5

Appendix A……6

1 Biodiversity Calculations

1.1 Introduction

enims Ltd were commissioned to undertake biodiversity calculations for the proposed site of six battery storage units located in the south corner of an arable field at land at Teffont Evias in Wiltshire (around grid reference ST 99839 30908). Enims Ltd have undertaken a Preliminary Ecological Appraisal at the site in 2022 to inform development proposals. These Biodiversity Calculations have also been undertaken to support the planning application.

Calculations were undertaken using the Defra Small Sites Metric 1.1 (downloaded November 2022) by Vicky Rusby, Senior Ecologist at enims Ltd and Associate member of the Chartered Institute of Ecology and Environmental Management (CIEEM). Pre-development habitats and areas (m^2) were determined from the site visit undertaken on 27th June 2022 by Natalie Boote, Consultant Ecologist at enims Ltd and Associate member of the Chartered Institute of Ecology and Environmental Management.

The biodiversity calculations are given in a separate spreadsheet accompanying this letter. A summary of the findings is provided below.

1.2 Results

The habitat types, as referenced within the small site biodiversity calculator, are detailed in the tables below, along with their area, and distinctiveness in relation to pre-development and post-development. Area-based habitats are separate from linear-based habitats such as hedgerow. For post-development calculations, the habitats created, retained, and enhanced have been considered.

Habitat maps can be found in Appendix A. Figure 1 shows the baseline habitats used in the calculation. Figure 2 shows how the development proposals relate to the information in the calculator tool.

1.2.1 On-site pre-development

Table 1. Pre-development habitat type, area and characteristics

Habitat Type	Area (m^2)	Distinctiveness
Arable Field (non-cereal crops)	3997	Low

1.2.2 On-site post-development created

Table 2. Post-development habitat type to be created on site

Area Habitats

Habitat Type	Area (m^2)	Distinctiveness	Targeted Condition
Other woodland; broadleaved	1550	Medium	Moderate
Grassland; other neutral grassland	375	Medium	Moderate

Habitat Type	Area (m^2)	Distinctiveness	Targeted Condition
Grassland; modified	755	Low	Moderate
Developed land; sealed surface	1081	N/A	N/A - other
Developed land; sealed surface	236	N/A	N/A - other

Urban Trees Area Calculator

Table 3. Post development details of trees to be planted onsite

Habitat Type	Total no. of trees pre development	No. of new trees planted post development	Area of new trees post development (m^2)
Small (DBH ≤ 30cm)	0	15	68

Linear Habitats

Table 4. Linear habitats to be created

Habitat Type	Length (m)	Distinctiveness	Targeted Condition
Native species rich hedgerow	236	Medium	Moderate

The Strategic Significance was assessed as 'low' as the site is not within an area of local strategy. No habitat will be created or enhanced in advance of habitat loss.

Detailed results from the biodiversity calculations can be found in the 'Results' tab of the calculator tool. In summary:

Biodiversity Unit	Total Net Unit Change	Total Net Percentage Change
Habitat units	**0.2431**	**30.42%**
Hedgerow units	**1.5799**	**N/A**

1.3 Outcomes

The proposed development will result in an increase in 0.2431 biodiversity units for area-based habitats, representing a Net Gain of 30.42%. There will also be a Net Gain of 1.5799 biodiversity units for linear hedgerow habitat (a % value cannot be generated where there is a starting point of zero due to no linear habitats being present in baseline calculations).

No off site enhancements are required to meet the 10% Net Gain.

Appendix A



Figure 1. Baseline habitats within the development site.



Figure 2. Post development habitat