

The Statutory Biodiversity Metric Start page

Project details			
Planning authority:	Leicestershire County Council		
Project name:	Nailstone Substation		
Applicant:	National Grid		
Application type:	Full/ Detailed		
Planning application reference:			
Completed by:	Vicki Baldwin BSc MSc ACIEEM		
Date of metric completion:	14 January 2025		
Reviewer:	Lindsay Taylor BSc MSc ACIEEM		
Calculation iteration:	1		
Planning authority reviewer:			
Date of planning authority review:			
Target % net gain:	10%		
Irreplaceable habitat present at baseline:	No ✓		
Total site area - including irreplaceable habitat area (hectares):	0.42	Irreplaceable habitat site area (hectares):	0.00
Total off-site area - including irreplaceable habitat area (hectares):	N/A	Irreplaceable habitat area off-site (hectares):	N/A

Main menu

Results

Cell style conventions	
	Attention required
	Input error/rules and principles not met
	Use of this cell is not appropriate
	Enter data
	Automatic lookup
	Result

View all

Reset view

On-site baseline map Insert

On-site post intervention map Insert

On-site baseline map reference number

On-site post-intervention map reference number

Off-site baseline map Insert

Off-site post intervention map Insert

Off-site baseline map reference number

Off-site post-intervention reference number

Key

- Area habitats
- Hedgerows and lines of trees
- Watercourses

The Statutory Biodiversity Metric Main menu

Start page Technical data Results

Tree helper						
Tree size	Number of trees and area (ha) for each condition state					
	Poor	Area	Moderate	Area	Good	Area
Small		0.0000	3	0.0122		0.0000
Medium	1	0.0163	1	0.0163		0.0000
Large		0.0000		0.0000		0.0000
Very large		0.0000		0.0000		0.0000
Total	1	0.0163	4	0.0285	0	0.0000

Start here
1

2

3

4

On-site baseline

- A-1 On-site Area Habitat Baseline
- B-1 On-site Hedge Baseline
- C-1 On-site Watercourse Baseline

On-site post development

- A-2 On-site Area Habitat Creation
- A-3 On-site Area Habitat Enhancement
- B-2 On-site Hedge Creation
- B-3 On-site Hedge Enhancement
- C-2 On-site Watercourse Creation
- C-3 On-site Watercourse Enhancement

Off-site baseline

- D-1 Off-site Area Habitat Baseline
- E-1 Off-site Hedge Baseline
- F-1 Off-site Watercourse Baseline

Off-site post development

- D-2 Off-site Area Habitat Creation
- D-3 Off-site Area Habitat Enhancement
- E-2 Off-site Hedge Creation
- E-3 Off-site Hedge Enhancement
- F-2 Off-site Watercourse Creation
- F-3 Off-site Watercourse Enhancement

The Statutory Biodiversity Metric Results

Return to start
page

Headline results

Detailed results

Habitat trading
summaries

Off-site
summary

Irreplaceable
habitats summary

Unit shortfall
summary

Nailstone Substation
Headline Results
Scroll down for final results <input type="checkbox"/>

Return to results menu

On-site baseline	<i>Habitat units</i>	0.75	
	<i>Hedgerow units</i>	1.42	
	<i>Watercourse units</i>	0.00	
On-site post-intervention <small>(Including habitat retention, creation & enhancement)</small>	<i>Habitat units</i>	0.87	
	<i>Hedgerow units</i>	1.87	
	<i>Watercourse units</i>	0.00	
On-site net change <small>(units & percentage)</small>	<i>Habitat units</i>	0.13	17.00%
	<i>Hedgerow units</i>	0.45	31.98%
	<i>Watercourse units</i>	0.00	0.00%

Off-site baseline	<i>Habitat units</i>	0.00	
	<i>Hedgerow units</i>	0.00	
	<i>Watercourse units</i>	0.00	
Off-site post-intervention <small>(Including habitat retention, creation & enhancement)</small>	<i>Habitat units</i>	0.00	
	<i>Hedgerow units</i>	0.00	
	<i>Watercourse units</i>	0.00	
Off-site net change <small>(units & percentage)</small>	<i>Habitat units</i>	0.00	0.00%
	<i>Hedgerow units</i>	0.00	0.00%
	<i>Watercourse units</i>	0.00	0.00%

Combined net unit change <small>(Including all on-site & off-site habitat retention, creation & enhancement)</small>	<i>Habitat units</i>	0.13
	<i>Hedgerow units</i>	0.45
	<i>Watercourse units</i>	0.00
Spatial risk multiplier (SRM) deductions	<i>Habitat units</i>	0.00
	<i>Hedgerow units</i>	0.00
	<i>Watercourse units</i>	0.00

FINAL RESULTS

Total net unit change <small>(Including all on-site & off-site habitat retention, creation & enhancement)</small>	<i>Habitat units</i>	0.13
	<i>Hedgerow units</i>	0.45
	<i>Watercourse units</i>	0.00
Total net % change <small>(Including all on-site & off-site habitat retention, creation & enhancement)</small>	<i>Habitat units</i>	17.00%
	<i>Hedgerow units</i>	31.98%
	<i>Watercourse units</i>	0.00%

Trading rules satisfied?	Yes ✓
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Unit Type	Target	Baseline Units	Units Required	Unit Deficit
<i>Habitat units</i>	10.00%	0.75	0.82	0.00
<i>Hedgerow units</i>	10.00%	1.42	1.56	0.00
<i>Watercourse units</i>	10.00%	0.00	0.00	0.00

No additional area habitat units required to meet target ✓
 No additional hedgerow units required to meet target ✓
 No additional watercourse units required to meet target ✓

Project Name: Nailstone Substation Map Reference:
A-1 On-Site Habitat Baseline

Area habitat summary	
Total Net Unit Change	0.13
Total Net % Change	17.80%
Trading Rules Satisfied	Yes ✓

Condense / Show Columns

Condense / Show Rows

Main Menu

Ref	Existing area habitats				Distinctiveness		Condition		Strategic significance			Required Action to Meet Trading Rules	Ecological baseline Total habitat units
	Broad Habitat	Habitat Type	Irreplaceable habitat	Area (hectares)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic significance multiplier		
1	Grassland	Modified grassland	No	0.341	Low	2	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	0.68
2	Urban	Developed land; sealed surface	No	0.076	V.Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Compensation Not Required	0.00
3	Individual trees	Rural tree	No	0.0163	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required (≥)	0.07
4													
5													
Total habitat area				0.43									
Site Area (Excluding area of individual trees, green walls, intertidal hard structures)				0.42									

Area retained	Area enhanced	Baseline units retained	Baseline units enhanced	Area habitat lost	Units lost	Bespoke compensation agreed for losses of VHDD or irreplaceable habitat	Comments		
							User comments	Planning authority comments	Habitat reference number
0	0	0.00	0.00	0.34	0.68		Fails A and B passes the remaining criteria		
0.076	0	0.00	0.00	0.00	0.00		No condition assessment required.		
0	0	0.00	0.00	0.02	0.07		Removed due to overhanging of the substation		
0.08	0.00	0.00	0.00	0.36	0.75				
Total area lost (excluding area of individual trees, green walls and intertidal hard structures)				0.34					

M ² to hectares conversion tool:	Select a unit	Hectares	M ²
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Project Name: Nailstone Substation Map Reference:
A-2 On-Site Habitat Creation

Condense / Show Columns

Condense / Show Rows

Main Menu

Area habitat summary	
Total Net Unit Change	0.13
Total Net % Change	17.80%
Trading Rules Satisfied	Yes ✓
Area Check	Area Acceptable ✓

Ref	Broad Habitat	Proposed habitat	Area (hectares)	Distinctiveness		Condition		Strategic significance			Temporal multiplier			Difficulty multipliers			Habitat units delivered	Comments						
				Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic significance multiplier	Standard time to target condition (years)	Habitat created in advance (years)	Delay in starting habitat creation (years)	Standard or adjusted time to target condition	Final time to target condition (years)	Final time to target multiplier		Standard difficulty of creation	Applied difficulty multiplier	Final difficulty of creation	Difficulty multiplier applied	User comments	Planning authority comments	Habitat reference number
1	Urban	Developed land; sealed surface	0.108	V.Low	0	N/A - Other	0	Area compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	2	Standard time to target condition applied	2	0.931	Low	Standard difficulty applied	Low	1	0.00	Newly created access and hardstanding		
2	Individual trees	Rural tree	0.0244	Medium	4	Moderate	2	Area compensation not in local strategy/ no local strategy	Low Strategic Significance	1	27	0	2	Check details- Delay in starting habitat in required condition? :	29	0.356	Low	Standard difficulty applied	Low	1	0.07	6 small trees in moderate condition.		
3	Grassland	Other neutral grassland	0.232	Medium	4	Poor	1	Area compensation not in local strategy/ no local strategy	Low Strategic Significance	1	2	0	2	Check details- Delay in starting habitat in required condition? :	4	0.867	Low	Standard difficulty applied	Low	1	0.80	Create OMG in the areas of grassland around the new substation. Seed with a shade tolerant mix due to the planting of 6 small trees within the grassland and manage to target condition appropriately.		
4																								
5																								
			Total habitat area	0.36																	Total Units	0.87		

Site Area (Excluding area of individual trees, green walls, intertidal hard structures) 0.34

M² to hectares conversion tool: Select a unit Hectares M²

Project Name: Nailstone Substation Map Reference:
B-1 On-Site Hedge Baseline

Hedgerow summary	
Total Net Unit Change	0.45
Total Net % Change	31.98%
Trading Rules Satisfied	Yes ✓

Condense / Show Columns Condense / Show Rows

Main Menu

Ref	Existing hedgerow habitats			Distinctiveness		Condition		Strategic significance			Required Action to Meet Trading Rules	Ecological baseline Total hedgerow units	Comments								
	Hedge number	Habitat type	Length (km)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic significance multiplier			Length retained	Length enhanced	Units retained	Units enhanced	Length lost	Units lost	User comments	Planning authority comments	Habitat reference number
1	1	Native hedgerow with trees	0.145	Medium	4	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness band or better	1.16	0.136	0.013	1.09	0.00	0.01	0.07	Fails B1, B2, D2 and E1		
2	2	Native hedgerow with trees	0.013	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness band or better	0.05		0.052	0.00	0.21	0.00	0.00	Fails B1, B2, C1, D2 and E1		
3	3	Native hedgerow with trees	0.052	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness band or better	0.21									
4																					
5			0.21									1.42	0.14	0.07	1.09	0.26	0.01	0.07			

Project Name: Naldstone Substation Map Reference:

B-3 On-Site Hedge Enhancement

Condense / Show Columns Condense / Show Rows

Main Menu

Hedge row summary	
Total Net Land Change	0.43
Total Net % Change	13.98%
Trading Units Sold/Ret	300 /

Baseline ref	Baseline Habitat										Proposed habitat	Change in distinctiveness and condition		Distinctiveness		Condition		Final assessment habitat			Temporal multiplier					Hedge units delivered	Comments								
	Baseline habitat	Length (km)	Baseline distinctiveness band	Baseline distinctiveness score	Baseline condition category	Baseline condition score	Baseline strategic significance category	Baseline strategic significance score	Baseline habitat units	Request of Action to Meet Trading Bids		Distinctiveness movement	Condition movement	Length (km)	Distinctiveness Score	Condition Score	Strategic significance	Strategic significance multiplier	Standard Time to target condition (years)	Habitat enhanced in advance (years)	Delay in starting habitat enhancement (years)	Standard or adjusted time to target condition	Final time to target condition (years)	Final Time to target multiplier	Standard difficulty of enhancement		Applied difficulty multiplier	Final difficulty of enhancement	Difficulty multiplier applied	User comments	Planning authority comments	Habitat reference number			
																																	Strategic significance	Strategic significance multiplier	Standard Time to target condition (years)
2	Native hedgerow with trees	0.013	Medium	4	Poor	1	Low Strategic Significance	1	0.052	Same distinctiveness band or better	Native hedgerow with trees	Medium - Medium	Poor - Good	0.013	Medium	4	Good	3	Area compensation not in local strategy/ no local strategy	Low Strategic Significance	1	10	0	2	Check details: Delay in starting habitat to target condition?	12	0.632	Low	Standard difficulty applied	Low	1	0.12	Enhance hedgerow to include more species and manage better to improve structure and health of overall hedgerow. Anticipated to pass Criteria B1, E1 and E2.		
3	Native hedgerow with trees	0.052	Medium	4	Poor	1	Low Strategic Significance	1	0.208	Same distinctiveness band or better	Native hedgerow with trees	Medium - Medium	Poor - Good	0.052	Medium	4	Good	3	Area compensation not in local strategy/ no local strategy	Low Strategic Significance	1	10	0	2	Check details: Delay in starting habitat to target condition?	12	0.632	Low	Standard difficulty applied	Low	1	0.48	Enhance hedgerow to include more species and manage better to improve structure and health of overall hedgerow. Anticipated to pass Criteria B1, E1 and E2.		
													0.43																0.43						