



# Roundhill Solar Farm

April 2022 Update



# Key Topics

- About JBM
- Key facts
- Why this site?
- Pre-app/Design Evolution
- Community engagement
- Addressing concerns
- Site visibility
- Enhancements
- Community Benefit
- Q&A



# About JBM

- Established 2012, proven track record with over 1GW of solar consents since 2014
- Clear focus on helping deliver the UK's net zero 2050 target
- Experienced team with a collective ambition to help meet the environmental challenges posed by the climate crisis
- Firmly believe solar needs to be at the forefront
- Committed to strong partnerships with local communities to minimise local impacts and enhance the natural environment

# Industry Leading UK Developer with Experienced Development Team

- 1 Privately owned, industry-leading UK solar developer
- 2 Highly flexible and dynamic organisation
- 3 Experienced development team with a strong track record
- 4 Exponential growth in pipeline since 2017
- 5 One of the largest UK solar pipelines



Stanton solar farm: Developed by JBM

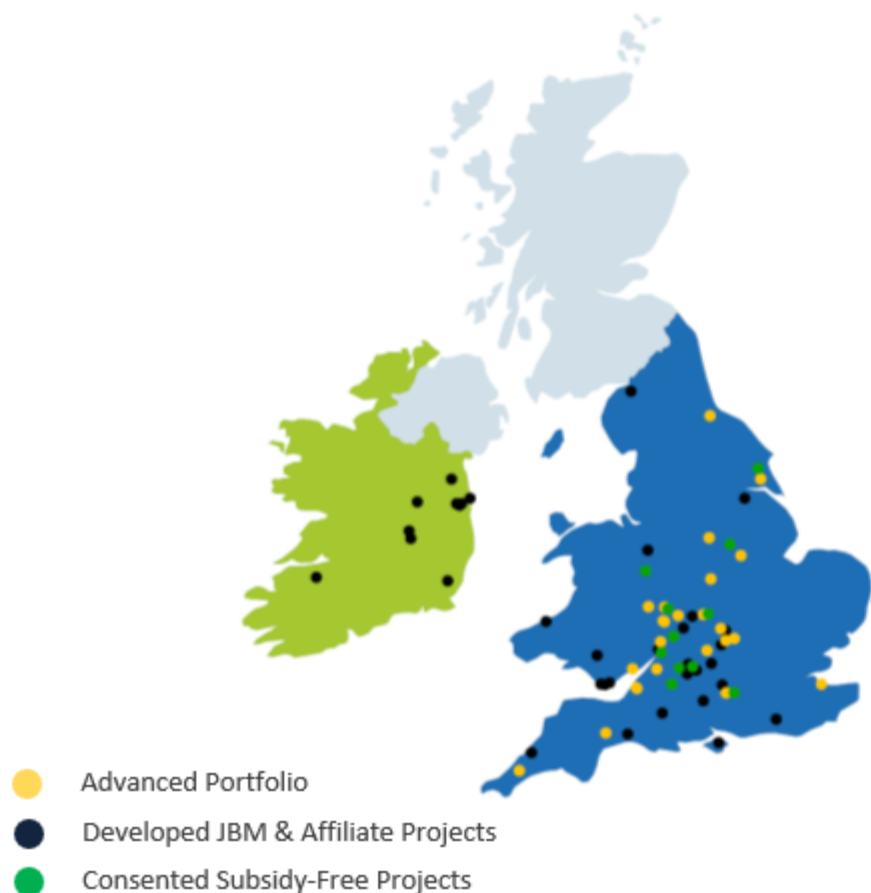
## Key Portfolio Statistics

+1,000MW	Capacity developed	+2,900MW	Projects in the planning system or grid secured
>98%	Planning success rate over 10 years	+7,900MW	Total development pipeline
+£300m	Allocated to JBM projects	+100	Land agreements completed
+12GW	Development pipeline of funding partner <u>Susgen</u>	19	Full time employees

*We aim to deliver enough renewable energy to power over 1 million households for the next 40 years. That is the equivalent of meeting the domestic needs of Birmingham, Leeds and Manchester combined.*

# UK Pipeline Snapshot

## UK and ROI solar project geographic footprint



## Project Differentiators

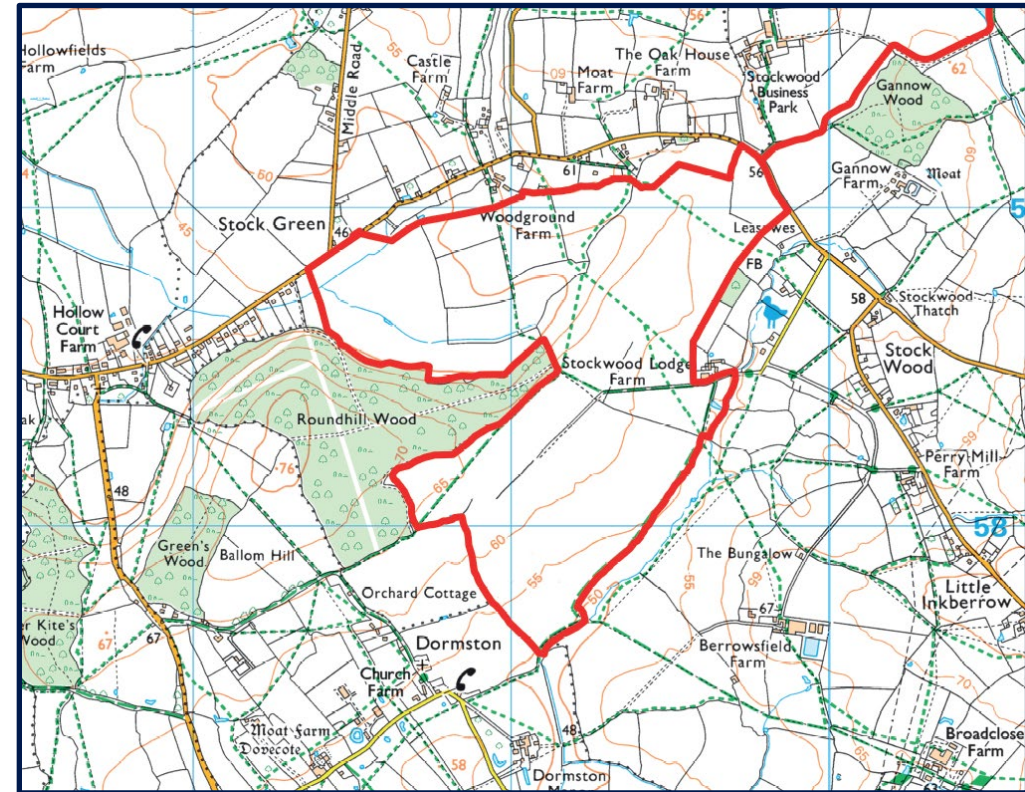
- 1 Site Size**
  - We develop at scale; average project size of 50 MWac
  - Exceeds UK average development of only 23 MWac<sup>(2)</sup>
- 2 Storage Enabled**
  - 60% of our advanced portfolio will be battery storage enabled
- 3 Locational Characteristics**
  - Our sites are largely based in the South and Midlands; benefiting from high irradiance

## Key UK Portfolio Statistics

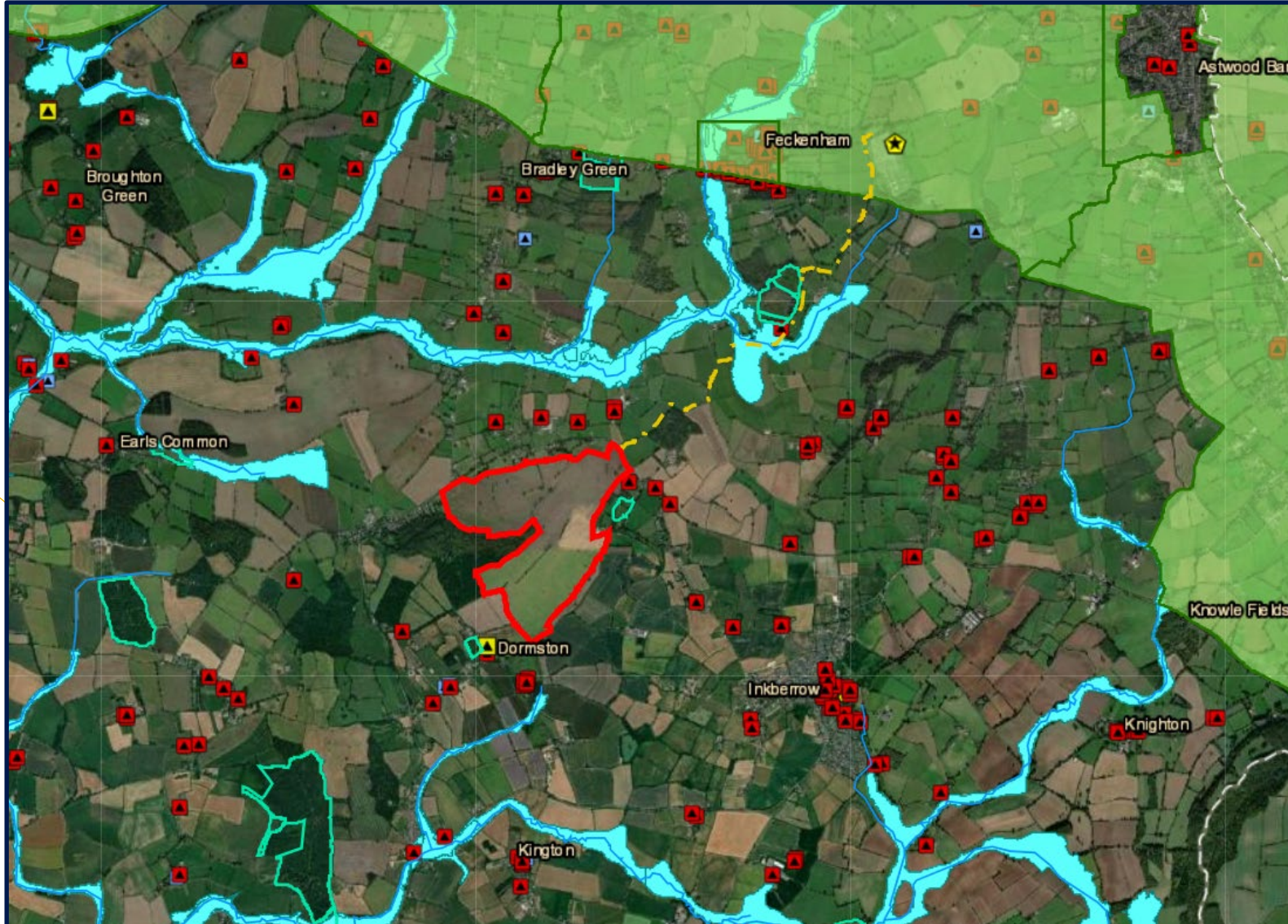
Projects sold <sup>(1)</sup>	494 MW
Consented Subsidy-Free UK Projects	570 MW
Submitted Subsidy-Free UK Projects	400 MW
Advanced UK Portfolio	2,900 MW
<b>Total UK Portfolio</b>	<b>7,900 MW</b>
<b>Storage enabled</b>	<b>60%</b>

# Roundhill Solar Farm – key facts

- Application for **40yr** permission
- **49.9MW** export grid connection
- **287 acres**
- Enough electricity to power **18,000 homes**
- Replace **c. 1.2million tonnes of CO<sub>2</sub>**
- Significant **Biodiversity Net Gain** and **Environmental Enhancements**
- Significant investment in **green infrastructure for local community**



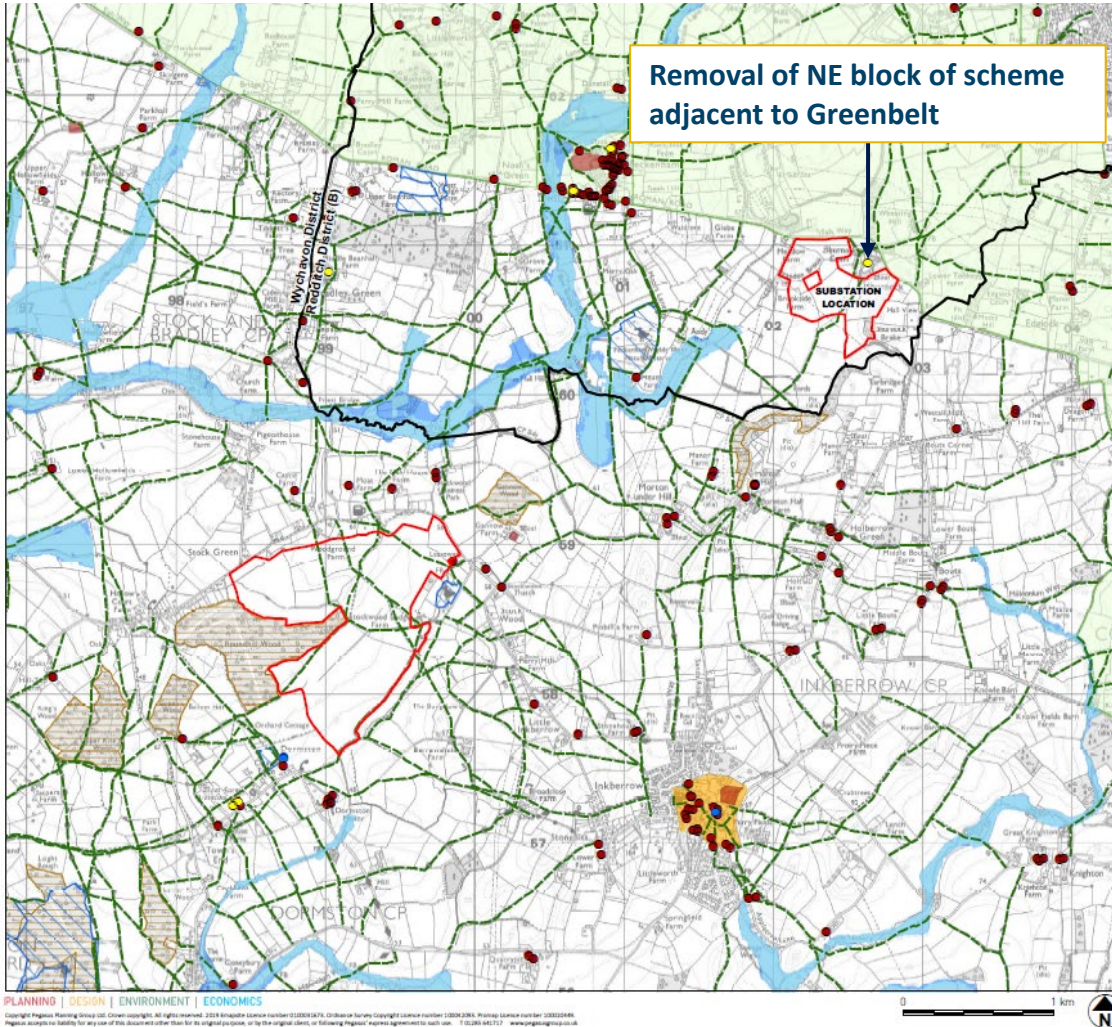
# Why this Site?



- Available grid connection
- Land grading – not Best and Most Versatile (BMV)
- Not within any protected environmental / landscape designations
- Available land and effects can be mitigated
- Site can be used for sheep grazing
- Support Wychavon DC with their carbon emissions targets

# Pre-app Oct 2019

Initial Design below has since been amended considerably to take on board initial feedback



- KEY**
- Site Boundary
  - Local Authority Boundary
  - Grade I Listed Building
  - Grade II\* Listed Building
  - Grade II Listed Building
  - Public Rights of Way
  - Open Access Land / Registered Common Land
  - Scheduled Monument
  - Site of Special Scientific Interest (SSSI)
  - Ancient Woodland
  - EA Flood Zone 3
  - EA Flood Zone 2
  - Green Belt
  - Conservation Area

Note:  
No local designations are shown on this plan.

Revisions:  
First Issue: 01/04/2019 JS

**Environmental Designations Plan**  
**Roundhill Solar Farm**

Client: JBM Solar Projects Ltd  
 DRWG No: **P19-0753\_01** Sheet No: - REV: -  
 Drawn by: JS Approved by: SC  
 Date: 01/04/2019  
 Scale: 1:25,000 @ A3



# You Said, We Did - Revisions 2021-2022

Panels pulled back from Woodground Farm and Woodground Cottage. Introduction of skylark nesting areas

Removal of panels beside Leasowes, new hedgerow and tree planting and skylark nesting area

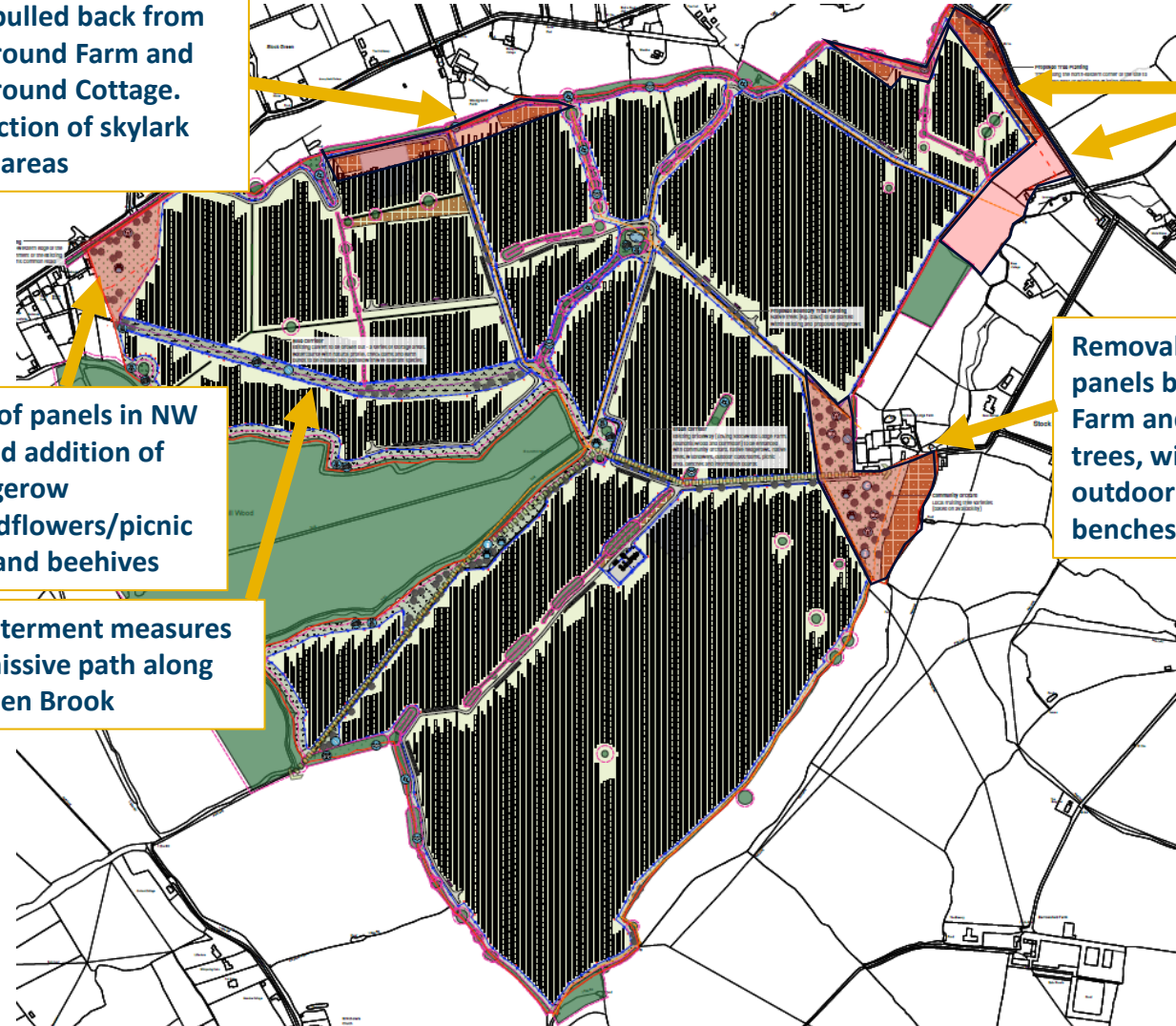
## Amendments

- Removal of NE block
- Main site panelled areas reduced by 20 acres
- Significant changes to scheme made following ongoing collaboration with the LPA through pre-app discussions, feedback from stakeholders and the community
- Multiple areas of panels removed from more sensitive locations as shown
- Significant new planting of tree groups, hedges and grassland areas
- Significant Environmental Enhancements

Removal of panels in NW corner and addition of new hedgerow trees/wildflowers/picnic benches and beehives

Removal of significant area of panels beside Stockwood Lodge Farm and inclusion of orchard trees, wildflower meadow, outdoor classroom and picnic benches

Flood Betterment measures and permissive path along Stock Green Brook



# Community engagement

- Leaflet drop with FAQs covering 2km radius next week
- Website <https://www.roundhillsolarfarm.co.uk/> (not live yet but will be next week)
- Consultation event @ The Bowls Pavilion in Inkberrow 1st week in May – date TBC
- Direct contact with adjacent landowners
- Liaising with Ward members and Parish Councils
- Liaising with the LPA and Statutory Consultees

# Addressing the concerns

- *"Loss of agricultural land"* – Site designed to allow for continued agricultural use such as **sheep grazing on 99% of land- with only 1% being utilised by the solar panels**, Entire site is not best and most versatile (Grade 3b).
- *"Impact on Wildlife and Destruction of Habitat"* – The proposals are very sympathetic and complimentary to wildlife. The proposed biodiversity enhancements will lead to a minimum net gain of **94% for habitat units and 26% for hedgerow units**. The habitat creation proposed is well over the minimum 10% BNG required as part of the Environment Act (2021).



# Addressing the concerns

- *"Impact on the Quality of PROWs"* – Significant widening and enhancements are proposed which includes a **new permissive path along the Stock Green Brook, outdoor picnic areas, outdoor classroom areas, a green trail with interpretation boards, community orchard and beehives.**
- *"Will cause flooding"* – Flood Risk Assessment shows a reduction in runoff rate, runoff volume and frequency of runoff. Additional measures will lead to a **net betterment in flooding and drainage terms onsite.**
- *"Will be too noisy"* – Noise Impact Assessment shows no adverse noise impacts due to site design.



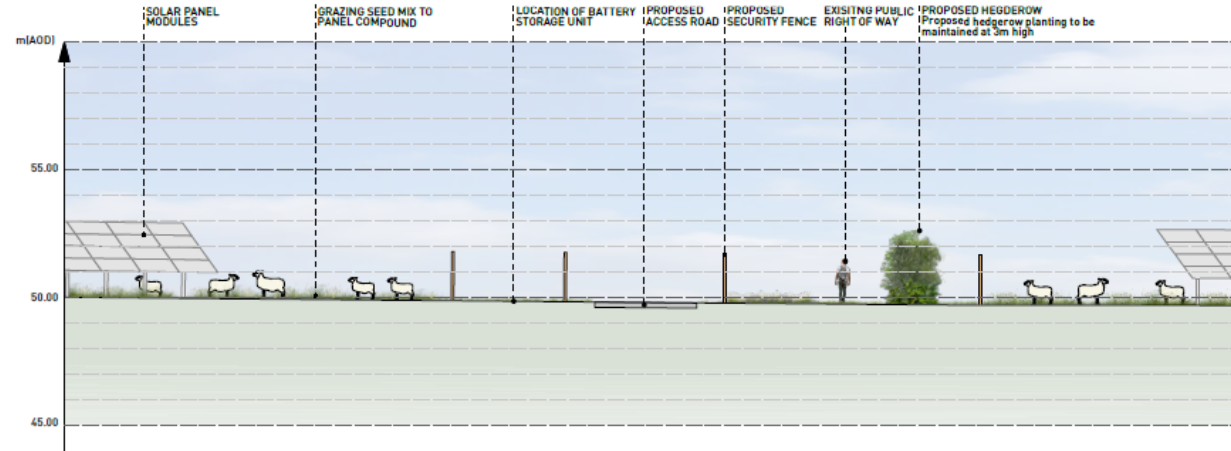
# Addressing the concerns

- *"The size and scale is too big"* – The scale is required due to the **government net zero targets** for renewable energy and the **rate of deployment required**. Additionally the scheme is **unsubsidised** and the **available grid capacity** in this location is on the 66kV network which makes the grid connection more expensive and therefore scale is required to make the project viable.
- *"It will damage the quality of the landscape"* – Designed the site to be **away from closest residents** and **listed heritage assets**. **Removed significant areas of panels** and Implemented **robust Planting Plan** to screen further. Photomontages overleaf demonstrate this.

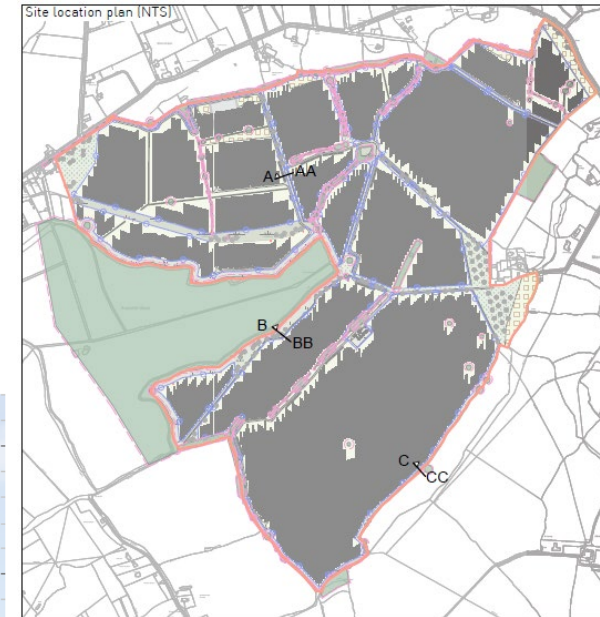
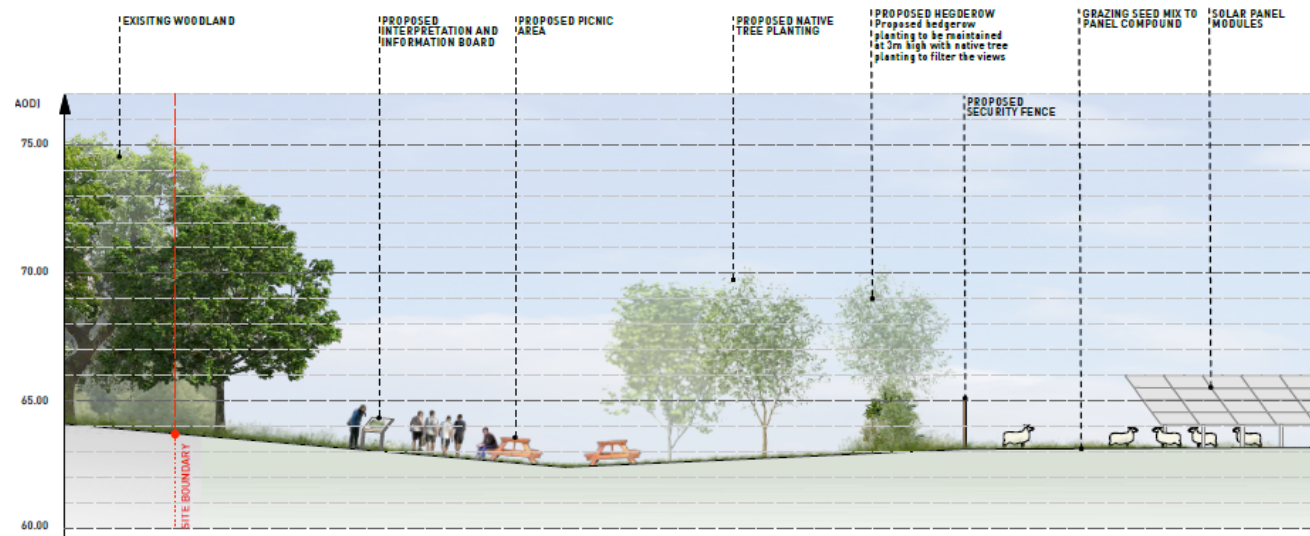


# Site visibility - Indicative Site Sections

Section A-AA  
Scale 1:200

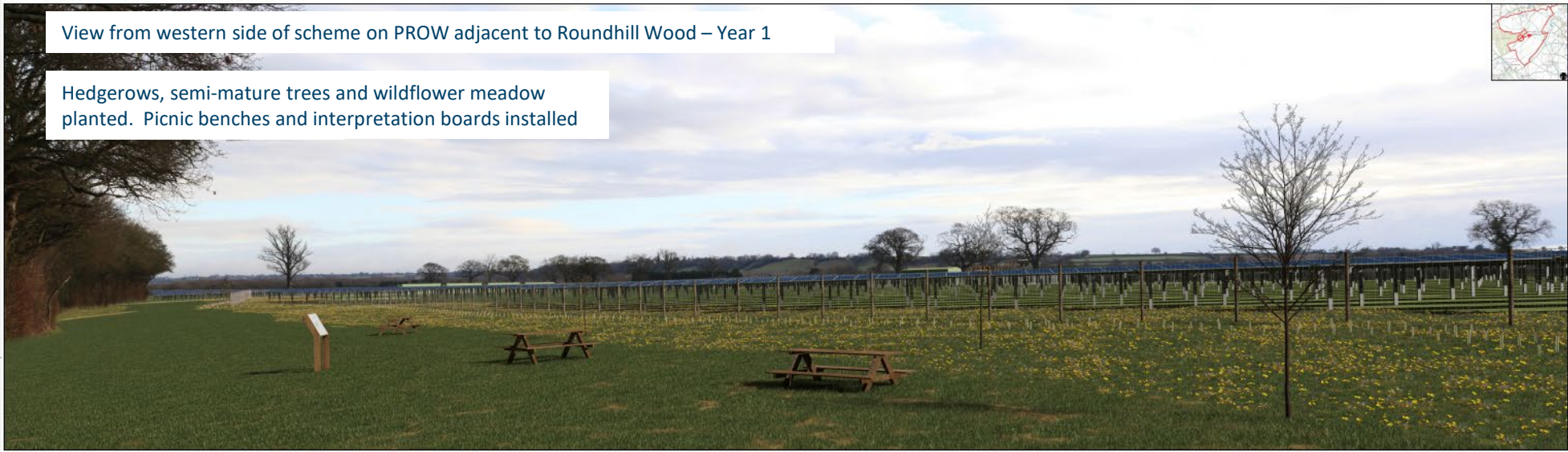


Section B-BB  
Scale 1:200



View from western side of scheme on PROW adjacent to Roundhill Wood – Year 1

Hedgerows, semi-mature trees and wildflower meadow planted. Picnic benches and interpretation boards installed



**Pegasus** Environmental

Camera make & model	- Canon EOS 5D Mark II	Viewpoint height (m)	- 4m	Visualisation Type	- Type 3
Lens make & focal length	- Canon EF 50mm F1.4 USM	Distance from site	- 0m	Horizontal Field of View	- 70°
Date & time of photograph	- 18/07/2024 10:36	Projection	- Orthographic	Height of camera AEL	- 1.5m
OS grid reference	- TQ9150, 246200	Show Date	- 01	Page size / Image size (mm)	- A3 / 297 / 420 x 300

VIEWPOINT 20 - PHOTOMONTAGE VIEW (YEAR 1)

View from western side of scheme on PROW adjacent to Roundhill Wood – Year 10

No visibility once hedgerows are established



**Pegasus** Environmental

Camera make & model	- Canon EOS 5D Mark II	Viewpoint height (m)	- 4m	Visualisation Type	- Type 3
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VIEWPOINT 20 - PHOTOMONTAGE VIEW (YEAR 10)

View from eastern side of scheme on PROW adjacent to Stockwood Lodge Farm – Year 1

Hedgerows, semi-mature orchard trees and wildflower meadow planted. Picnic benches, beehives, outdoor classroom and interpretation boards installed



Camera make & model  
Lens make & focal length  
Date & time of photograph  
GPS coordinates

- Canon EOS 5D Mark II  
- Canon EF 50mm, F1.4 USM  
- 04/02/2012 15:32  
- 50.911, 2.0475

Viewpoint height (ASL)  
Distance from site  
Projection  
Show Date

- 50m  
- 5m  
- Orthographic  
- 01

Visualisation Type  
Horizontal Field of View  
Height of camera ASL  
Page size / Image size (mm)

- Type 3  
- 75°  
- 1.5m  
- 801 x 217 / 620 x 240

VIEWPOINT 3 - PHOTOMONTAGE VIEW (YEAR 1)

View from eastern side of scheme on PROW adjacent to Stockwood Lodge Farm – Year 10

No visibility once hedgerows are established



Camera make & model  
Lens make & focal length  
Date & time of photograph  
GPS coordinates

- Canon EOS 5D Mark II  
- Canon EF 50mm, F1.4 USM  
- 04/02/2012 15:32  
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Projection  
Show Date

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Visualisation Type  
Horizontal Field of View  
Height of camera ASL  
Page size / Image size (mm)

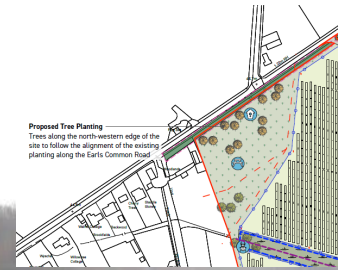
- Type 3  
- 75°  
- 1.5m  
- 801 x 217 / 620 x 240

VIEWPOINT 3 - PHOTOMONTAGE VIEW (YEAR 10)



View from NW corner of scheme at access point from Earls Common Road – Year 1

Semi-mature tree planting and wildflower meadow planted. Picnic benches and beehives installed and access to the blue corridor permissive path alongside the Stock Green Brook opened up, planted and flood betterment measures implemented



Camera make & model: Canon EOS 5D Mark II  
Lens make & focal length: Canon EF 50mm f/1.4 USM  
Date & time of photograph: 14/02/2014 14:35  
OS grid reference: 296518, 258775

Viewpoint height (ASD): 48m  
Distance from site: 0m  
Projection: Oblique  
Slope Size: A1

Viewdirection Type: Type 3  
Horizontal Field of View: 75°  
Height of camera AGL: 1.5m  
Page size / Image size (mm): 60 x 200 / 625 x 240

VIEWPOINT 9 - PHOTOMONTAGE VIEW (YEAR 1)

PT9-012\_10-0-Photomontage - BURNELL SOLAR FARM - JRM SOLAR PROJECTS LTD

View from NW corner of scheme at access point from Earls Common Road – Year 10

Semi-mature tree planting more established in NW corner further reducing any view of panels. Panels won't be visible from Earls Common Road with the exception of the access point opening



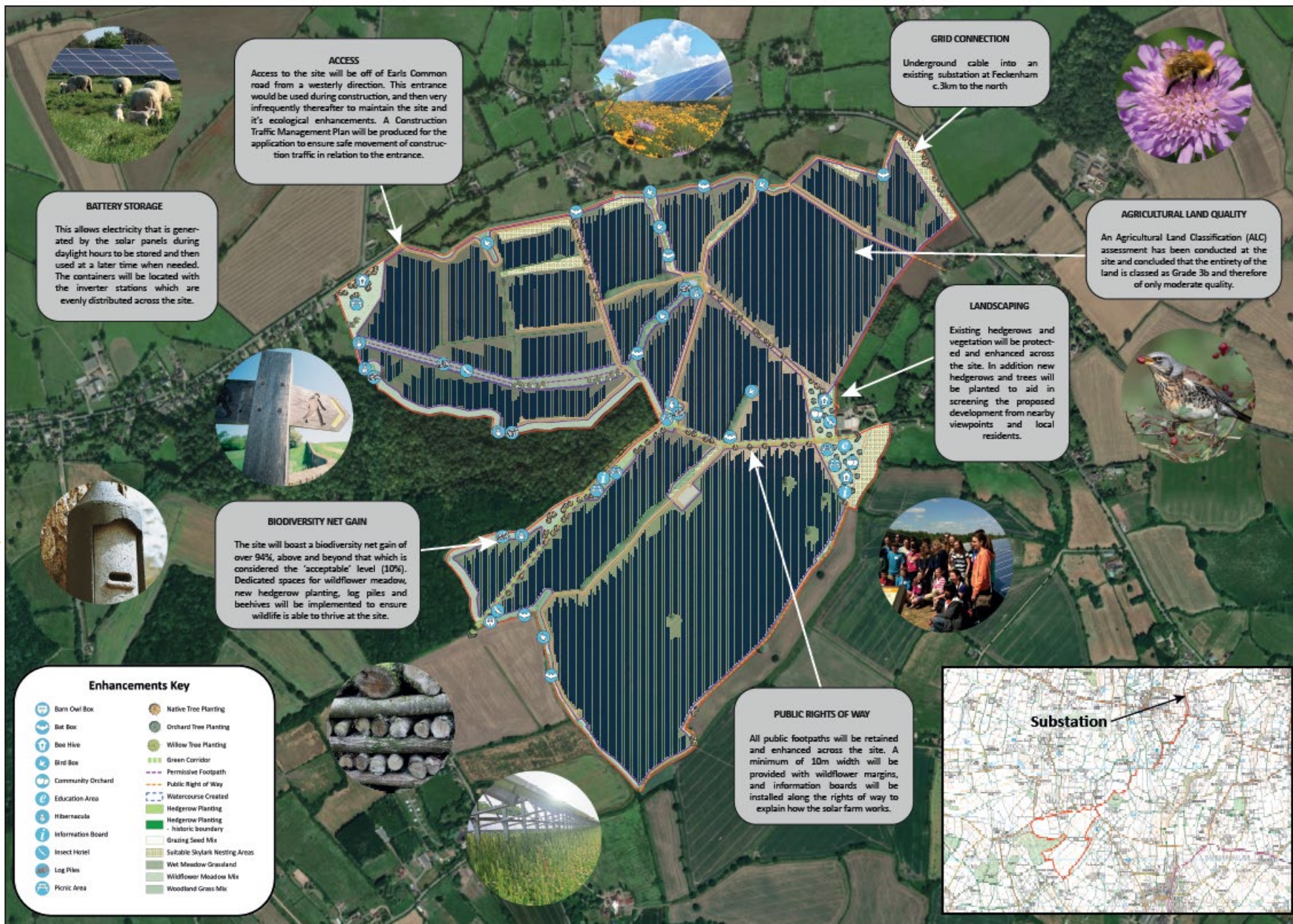
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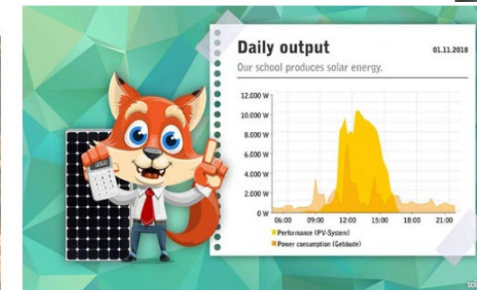
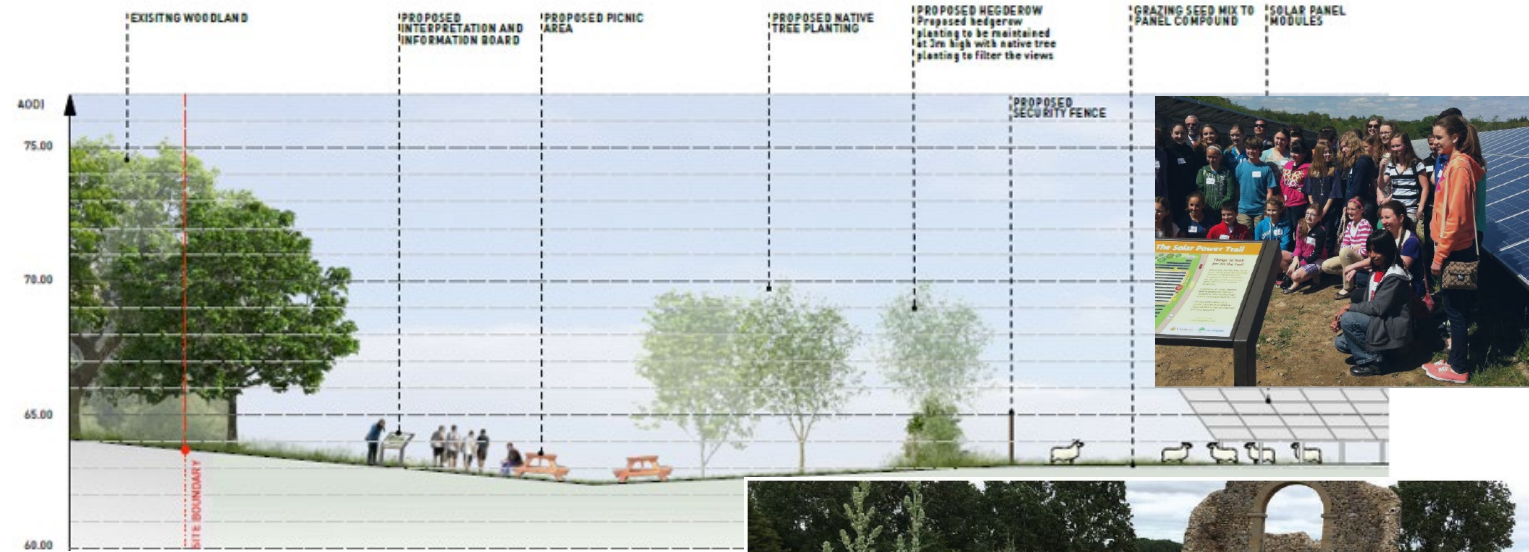
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PT9-012\_10-0-Photomontage - BURNELL SOLAR FARM - JRM SOLAR PROJECTS LTD



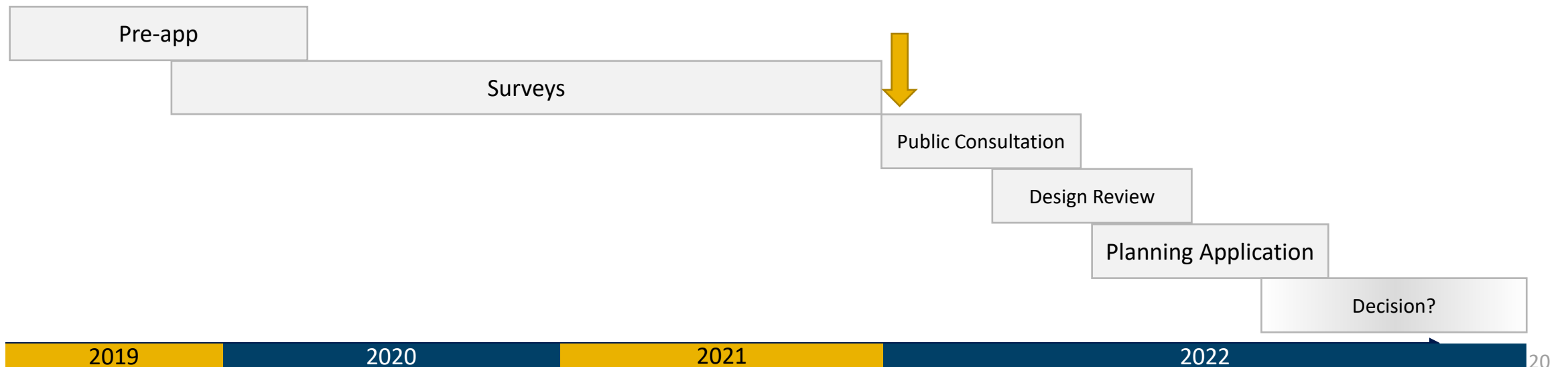
# Community benefits

- New outdoor amenity space in multiple areas of site
- New and improved footpath links between surrounding areas
- Picnic areas, beehive and community orchard
- Improved "Green Corridor" route and new "Blue Corridor" route
- All PROWs increased to 10m width and planted with wildflower margins
- Arable land reseeded to grassland and meadow
- Outdoor classroom log pile seating area and interpretation boards
- Free school lessons from qualified bee keepers in classroom and on site during honey harvesting
- Free rooftop solar for community buildings/schools



# Next steps

- Planning Application to be submitted to Wychavon District Council May/June 2022
- Agree community benefit package with parish councils
- Work with Case Officer towards a recommendation for approval
- Potential start on site 2024 (subject to decision in 2022)





## Contact Us



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