

# About Public Power Solutions

- PPS is a renewable energy development company, working UK-wide, wholly-owned by Swindon Borough Council. We bring with us the ethos of the public sector coupled with the focus and commerciality of the private sector.
- PPS is working in partnership with Hive Energy and Ethical Power to develop, build and operate the Langer Lane solar park. This ensures a positive ongoing relationship with the local community for the life of the project.
- We believe in harnessing the significant economic and environmental benefits of clean energy for local communities.
- Our schemes bring genuine community benefits, including community funding "pots" for the lifetime of the development.
- We're not new to the market; we've been doing this for several years and have a very strong track record of delivering successful solar projects as demonstrated by our awards below.

*"It is companies like Swindon's Public Power Solutions that are helping transform Britain's green economy, with their innovative approach to developing and financing renewable energy infrastructure and track record of procuring and delivering projects that bridge the gap between the public and private sector."*

**The Rt Hon Claire Perry  
Former Minister of State  
for Energy and Clean Growth**

**WINNER**  
SOUTH WEST  
GREEN  
ENERGY  
AWARDS



Winner of the Association for Public Sector Excellence Award, 'Best Renewable Energy or Energy Efficiency Initiative' for Chapel Farm Solar Park, September 2017.

Winner of Regen South West Green Energy Award, 'Most Proactive Public Sector Organisation' November 2016.



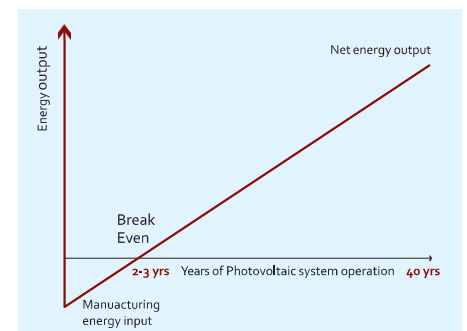
## Benefits of Solar Development

### Clean Renewable Energy

- Tackles the climate emergency by contributing to the UK government's target of Net Zero carbon emissions by 2050.
- Solar is the cheapest new energy generating technology helping to keep costs lower for consumers.
- Reduces reliance on energy generation from burning fossil fuels which has a detrimental impact on our air and water quality.

### Environmental payback

- Studies show that on average a solar farm pays back its energy and carbon footprint within 2-3 years.



SOURCE: 'THE RENEWABLE ENERGY HUBUK'



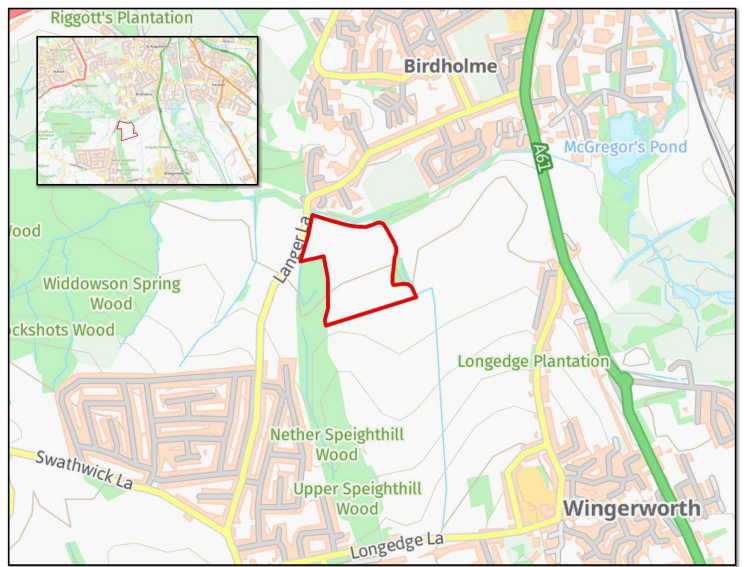
### Biodiversity and Soil Regeneration

- Tackles the ecological emergency by significantly increasing the biodiversity on site.
- Habitat enhancement through new tree and hedgerow planting.
- Planting of native wildflower and grasses to provide food and habitat for a wide range of wildlife.
- Provision of bat and bird boxes in suitable locations.
- Continued agricultural use by sheep grazing to maintain the grass, allowing the soil to recover from intensive crop farming practices.



# Why Langer Lane?

- Access to a viable grid connection on-site.
- Comprehensive site assessment and selection process.
- The site benefits from natural screening and is visually contained due to the local topography.
- The land is classified as Grade 4 “poor quality agricultural land” and is free from ecological and landscape designations.
- The results from the Preliminary Ecological Survey and initial Landscape Visual Assessment suggest the site is suitable for Solar PV development.



# Proposed Scheme

- 7.8 MW ground mounted solar scheme with 1 MW battery storage element to enable balancing of supply and demand on the electricity network.
- Approximately 1,700 tonnes of CO2 saving per annum and equivalent of 2,760 houses powered.
- A 17.5 acre site accessed from Langer Lane.
- Biodiversity net gain to leave the natural environment in a measurably better state than beforehand including new tree and hedgerow provision, planting of native wildflower and grasses and additional habitat creation.
- The site perimeter will be enclosed with deer fencing with site security provided by internal infrared CCTV cameras. No site lighting is proposed.
- Temporary development for 40 years, after which the project will be decommissioned and the land fully restored.



# Community benefits Langer Lane

- Benefit fund of £2,000 per annum, index-linked, which equates to £80,000 over the lifetime of the project (40 years).
- The fund could be used for social and environmental projects such as providing new children’s play equipment, funding local sports clubs and enhancing community facilities.
- North East Derbyshire Council would receive business rates of approximately £30,000 per annum.



## Previous beneficiaries of similar schemes developed by PPS

- £9,000**  
TWIGS community gardens to run sessions for people living with dementia
- £14,000**  
Wootton Bassett Rugby Club towards building a new gym
- £12,000**  
Wiltshire Wildlife Trust for conservation work at Hagbourne Copse
- £26,000**  
Chiseldon Primary School to build an eco playground



Solar Panels



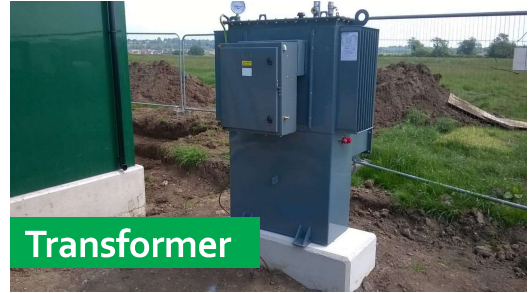
Fencing



Switch Gear Cabins



Transformer

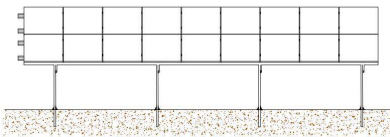


Inverters



# Technical Drawings

Typical Solar Panel Framing Front View

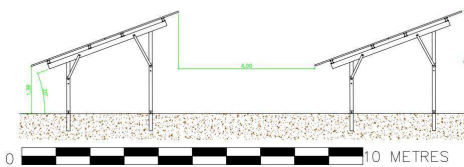


Typical Solar Panel Framing Back View

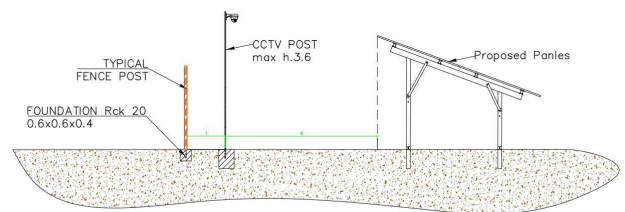


1.5 Below Ground  
All measures shown are in metres ( m )

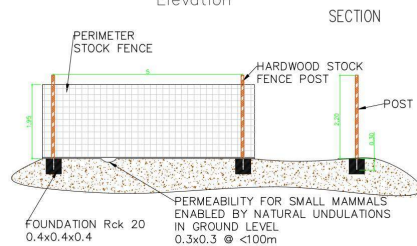
Typical Solar Panel Framing Section A-A



Typical Perimeter CCTV



Typical Deer Fencing Elevation



# Proposed Solar Site Illustration: Langer Lane Solar Park



Photomontage of the Proposed Development from Viewpoint 8 at the Junction of Callow footpath FP 9 and Callow bridleways BW7 and BW8



Viewpoint 8: existing



Viewpoint 8: Photomontage of proposed development at Year 1



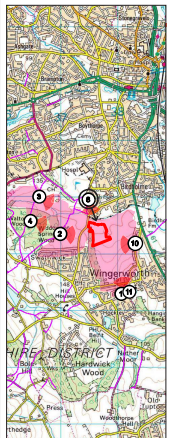
Viewpoint 8: Photomontage of proposed development at Year 15

### Viewpoint Details

Figure 22: Photomontage from Vp.8  
 Map Co-Ordinates: SK 37412, 68887  
 Height at Ground Level (AGD): 107m  
 Approx. Distance to Site: 268m  
 Direction towards the site: South  
 Date of Photo: 1.03.2022  
 Weather Conditions: Clear sky  
 Surveyor: PB  
 Angle of View: 90°  
 Distance from Viewer: 500mm  
 Receptors: PROW users, walkers

Photography has been prepared following the guidance in TCN 06/19 and refer to the method provided with the LVIA report.  
 Camera: Canon Eos 6D  
 Lens: Canon EF 50mm FFL 1:1.4 USM

### Viewpoint Location Plan

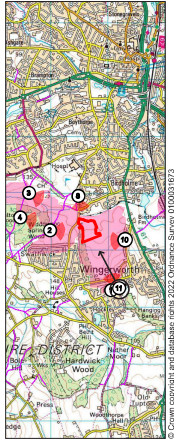


Viewpoint Details

Figure 22: Photomontage from Vp.11  
 Map Co-Ordinates: SK 38157 67433  
 Height at Ground Level (AOD): 161m  
 Approx. Distance to Site: 946m  
 Direction towards the site: North West  
 Date of Photo: 1.03.2022  
 Weather Conditions: Clear sky  
 Surveyor: PJ  
 Angle of View: 45°  
 Distance from Viewer: 600  
 Receptors: PROW users, walkers

Photography has been prepared following the guidance in TGN 06/19 and refer to the method provided with the LVA report.  
 Camera: Canon Eos 6D  
 Lens: Canon EF 50mm FFL 1:1.4 USM

Viewpoint Location Plan



Viewpoint 11: existing



Viewpoint 11: Photomontage of proposed development at Year 1



Viewpoint 11: Photomontage of proposed development at Year 15



Rev:	Date:	DR:	CR:	Notes:
1	05/05/2022	SH	PB	Finalised

ISSUE NO:	PROJECT NO:
A1	MAN_2041.001
DATE:	ISSUE DATE:
05/05/2022	L.A.D.00.023
OWNER:	CLIENT:
SH	PB

PROJECT:	ISSUE DATE:
Langer Lane, Wingerworth	05/05/2022
Fig.23 - Photomontage from Viewpoint 11	
Public Power Solutions Ltd	