

SITE LOCATION

Welcome to this public exhibition about the proposed Berryhill Solar Farm.

Solar2 is exploring the potential for a solar farm on land at Berryhill, Angus. This exhibition is being held for you to:

- Learn more about various aspects of our proposal.
- See visualisations of the solar farm from various locations.
- Talk to our representatives here today about the scheme and give you feedback on our proposals.



About Solar2

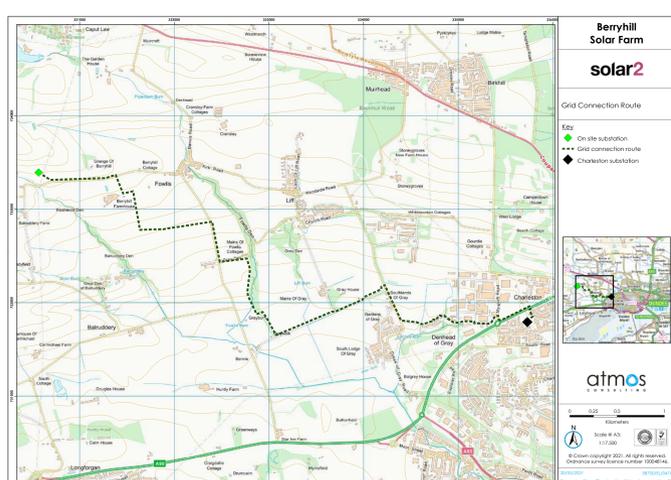
Solar2 is a specialist Solar energy developer, founded in 2019 and is a sister company to Wind2. Solar2 has offices in Perth, Edinburgh, North Wales and Suffolk. The founders, together with the Solar2 team, have a substantial track record in the successful development of renewable projects throughout the UK, being responsible for the delivery of more than 1GW of renewable energy.

About the Consultation Process

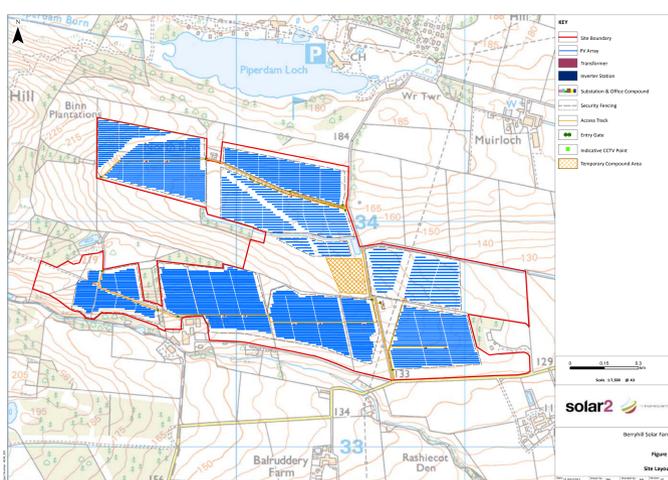
Proposals for Berryhill Solar Farm are currently in draft form. Community feedback will help to shape these proposals before we submit a planning application to Angus Council.

Once a planning application has been submitted, all information will be available on Angus Council's planning portal website.

Please take a few minutes to fill out our feedback form or contact us at www.berryhillsolarfarm.co.uk



SITE GRID ROUTE



SITE LAYOUT PLAN

The Proposal

Berryhill Solar Farm is in an area that benefits from a viable solar resource and is identified in Angus Council's Supplementary Planning Guidance as having potential for solar development.

The proposed solar farm will:

- Generate clean, renewable energy through photovoltaic (PV) solar panels.
- Comprise around 152,000 individual solar panels mounted on racks and arranged in rows with gaps to ensure limited shadows. The top of the panels would be around 2.25m off the ground and would face south, at an angle of up to 30° depending on the slope of the ground.
- Accumulate the power that is generated through the panels at inverters to be sent to the onsite substation for final export to the grid.
- Supply power directly into the grid at the Charleston Substation on the Kingsway in Dundee (opposite Asda), with an export capacity of up to 49.9MW (megawatts).



The planning application will include a series of detailed assessments of any potential impacts on the local environment including landscape, heritage and ecology. The survey requirements have been agreed in conjunction with Angus Council.

Solar2 as the developer of this project, is being supported by specialist advisors: ITP Energised (Ecology) / Stephenson Halliday (Planning / Landscape & Visual) / Guard Archaeology (Cultural Heritage)/ MKA (Socio Economic) and Pager Power (Glint / Glare).

If you have any comments or questions about any aspect of the project please talk to a member of the project team.

Environmental Considerations

Ecology

A Phase 1 habitat survey was conducted in 2019 to identify habitats and suitability for protected or notable species of fauna; this survey has been updated (April 2021) and dedicated protected species surveys have been completed for both otter and badger.



Sensitive ecological features or habitats and associated buffer zones have been incorporated into the design of the solar farm. For example, the potential use of the mature trees by roosting bats has been recognised and an exclusion zone of 20m from these trees has been incorporated. Similarly, 30m exclusion zones have been incorporated from identified badger setts.

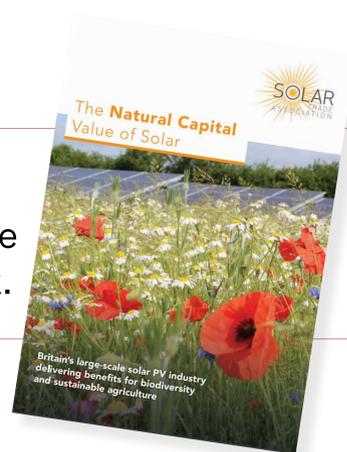


The positive impacts will come from ensuring inclusion of biodiversity enhancements within the design, which will have positive / beneficial effects for the invertebrate population, particularly the pollinator species, in turn, benefitting birds and bats.



Natural Capital

Berryhill Solar farm has been designed to meet with guidance provided within The Natural Capital Value of Solar Handbook.



Please take a few minutes to fill out our feedback form or contact us at www.berryhillsolarfarm.co.uk

Environmental Considerations

Flood Risk

- A detailed flood risk and drainage assessment has been undertaken in accordance with relevant national and local guidance. This has established that flood risk to the proposed development site is low; the proposal is not considered to have any adverse impact on flood risk or the water environment.
- Appropriate mitigation methods will ensure there is no increase to surface water run-off or soil erosion at or near the development.
- The existing man-made drainage system within and around the perimeter of the site and will remain in place.



Heritage

- There are no known cultural heritage sites within the development area. There is a category C Listed Building (Balruddery Road Bridge) 85m south of the site. The site has been designed so as not to impact on this structure.
- The cultural heritage sites within 2km will have no (or limited) visibility of the development and no significant impacts on setting are anticipated.

Transport

- The construction period will last around 6 months.
- All loads will be delivered to site on standard HGV vehicles it is anticipated that no abnormal loads are required.
- The site will be accessed off the Check Barr Road at four existing field entrances with minor improvements to the entries to allow for safer movements into and out of site.
- Once constructed only minimal access is required for maintenance purposes which will be once or twice a month using a van or 4x4.
- Once operational, due to reduced area for intensive farming the overall volume of agricultural traffic will be reduced.

Please take a few minutes to fill out our feedback form or contact us at www.berryhillsolarfarm.co.uk

Landscape and Visual Impact

The proposed solar farm has been designed to mitigate views. In addition to this a landscape mitigation strategy will be implemented to increase hedgerows and their density on the site boundary. Additional planting will strengthen boundaries and further increase screening of the solar farm.

The site comprises rolling fields bordered by mature trees, hedgerows, shelterbelts and woodland which limit inward views from the surrounding landscape.

Views into the site:

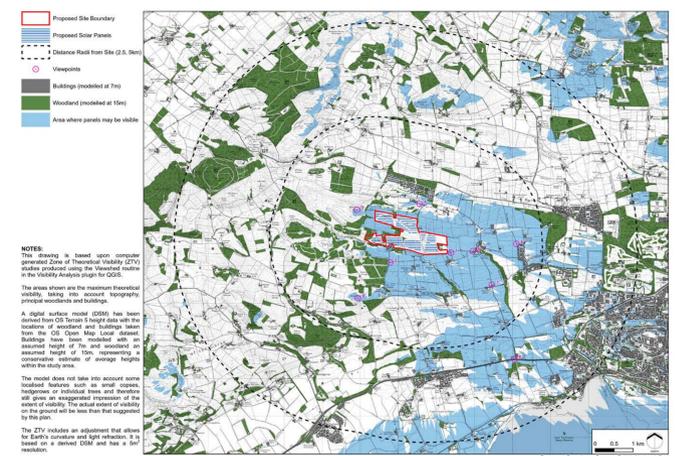
- from the North and West are largely screened by rising landform and forestry
- from lower lying areas to the South and East are more common but generally limited to small parts of the site
- will be therefore limited from local receptors, including local roads, settlements and nearby rural properties.

Zone of Theoretical Visibility

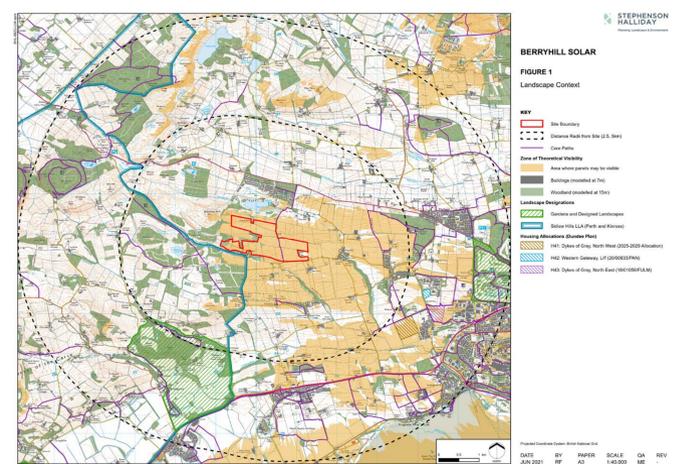
Areas that are shaded blue have a theoretical visibility of the solar farm. This map shows the location of the solar farm and the viewpoints that have been used for an assessment of potential Landscape / Visual/ Residential Amenity Impacts

Glint Glare

- A glint-glare assessment has assessed potential impacts on ground based receptors and aviation which concluded that there were no concerns.
- The proposed PV panels will be dark in colour and incorporate an anti-reflective coating to maximise the light capture of solar cells. As such they have a low level of reflection when compared to surfaces such as glass or water.



ZONE OF THEORETICAL VISIBILITY



LANDSCAPE CONTEXT

Please take a few minutes to fill out our feedback form or contact us at www.berryhillsolarfarm.co.uk

Visualisations of the Proposed Solar Farm

Visual representations (photomontages) of what the solar farm would look like from the viewpoints agreed in conjunction with Angus Council are shown here.



VP	Location	Distance / direction	Scale of Visual Effect (Short-term)	Scale of Visual Effect (Long-term)
1	Berryhill	0.1km, E	Medium, Adverse	Small, Adverse
2	Minor road south of Site	0.4km, S	Large, Adverse	Large, Adverse
3	Blacklaw Hill	0.5km, W	Medium, Adverse	Medium, Adverse
4	Piperdam	0.4km, N	Small, Adverse	Small, Adverse
5	Fowlis	0.7km, E	Medium-Small, Adverse	Small, Adverse
6	Liff	1.8km, E	Small, Adverse	Small, Adverse
7	Mains of Fowlis	1.4km, SE	Negligible, Neutral	Negligible, Neutral
8	A90 at Star Inn	3.3km, SE	Small, Adverse	Small, Adverse
9	Dron Hill	1.5km, S	Medium-Small, Adverse	Medium-Small, Adverse

Please take a few minutes to fill out our feedback form or contact us at www.berryhillsolarfarm.co.uk

Benefits

The proposed solar farm will:

- Deliver equivalent electricity to power one in five of the homes in Angus* or the equivalent of 12,500**households' electricity requirements.
- Offer a community benefit package for local projects that will be shaped and managed by local people.
- Offset approximately 20,230 tonnes of CO₂ per year.***
- Contribute to meeting Scotland's ambitious 'net zero by 2045' targets.
- Enhance the quality of existing habitats to increase the potential for supporting wildlife.
- Allow sheep grazing under panels to continue farming practices.

Economic Benefits

The solar farm aims to create direct and indirect economic benefits including:

- Local jobs during construction
- A range of contracts available for tender – local companies will be encouraged to apply.



Community Benefits

Once operational, Berryhill Solar Farm will annually contribute £500 for every megawatt (MW) of export capacity on the site into a community benefit fund. Assuming an export capacity of up to 49.9MW, this would mean a fund with an annual value of £25,000 or £1,000,000 over the 40-year operating life of the solar farm.

We would like the community to shape the community benefit package so that it best meets local needs and wishes: the fund will be agreed with the Muirhead, Birkhill & Liff Community Council. Please give us your feedback on potential local priorities and projects where you would like to see the fund invested.

*Angus Council Area Profile (nrscotland.gov.uk). Source: Estimates of Households and Dwellings in Scotland, 2019, Table 1

**Source: Homes Powered Equivalent calculated using the most recent statistics from the Department of Business, Energy and Industrial Strategy (BEIS).

***Source: RenewableUK uses BEIS's "all fossil fuels" emissions statistic of 446 tonnes of carbon dioxide per GWh of electricity supplied.

Please take a few minutes to fill out our feedback form or contact us at www.berryhillsolarfarm.co.uk



Next Steps

Today's event is part of the public consultation being undertaken by Solar2 to provide information and collect comments and feedback about draft proposals for the Berryhill Solar Farm.

Your comments will help improve the quality of our planning submission and inform related proposals for a community benefit fund.

The project website www.berryhillsolarfarm.co.uk will be updated with the latest information about our proposals.

We anticipate submitting a planning application to the Angus Council towards the **end of June 2021**.

To give local people sufficient time to give us their thoughts and feedback, we have set a deadline of **Saturday 19th June** for receipt of completed feedback forms.

Please take a few minutes to fill out our feedback form or contact us at www.berryhillsolarfarm.co.uk



Feedback

Thank you for attending this exhibition.



We would welcome any feedback you have on the proposed solar farm, so that this can be considered before the design is finalised

Website www.berryhillsolarfarm.co.uk

Email solar2@pagodapr.com

Write to FREEPOST PAGODA PR (no stamp or further address needed)



Please note: Comments made to Solar2 during the pre-application consultation are not representations to the planning authority and if Solar2 submits an application, there will be an opportunity to make representations on that application to the planning authority.

Please take a few minutes to fill out our feedback form or contact us at www.berryhillsolarfarm.co.uk