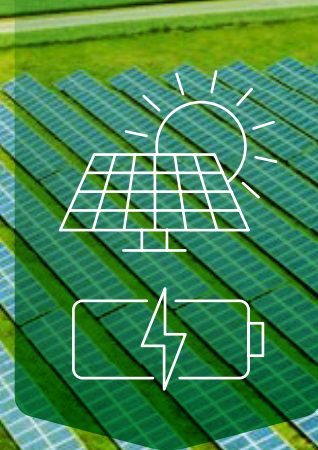


SEALAND MANOR SOLAR FARM & BESS



A proposed Solar Farm up to 89MW and BESS up to 40MW capacity in Sealand, Flintshire.

Renewable Connections is investigating the potential for a solar farm of up to 89MW and battery energy storage system (BESS) of up to 40MW at Sealand, Flintshire. Once operational, the solar farm could supply enough power for up to 33,575 homes, making a valuable contribution towards tackling climate change in Flintshire and across the UK.

The BESS will enable the renewable energy generated to be stored and redistributed as required. BESS technology helps to manage the peaks and troughs of energy demand, supporting a more stable and reliable national electricity grid.

As we prepare an application to submit to Planning and Environment Decision Wales (PEDW), we're holding an informal consultation to share our proposed plans with local communities and to invite your feedback.

More information on the project, our plans and how you can consult with us is provided on our website at: www.sealandmanorsolarfarm.co.uk

Have your Say

We are inviting members of the community to provide any comments you have on the proposal either via the project website, or by email or post using the details provided. Comments provided by the local community will be taken into account in shaping the final planning application submission.

Our informal consultation is taking place from **Friday 14 March to Monday 21 April 2025**. Later this year, we will hold a formal consultation phase, and details will be advertised in advance. All feedback is important to us, and we welcome comments and feedback at any point during the project's development process - up to the submission of the application to PEDW.

We are hosting two Public Exhibition Events in March 2025 at The Fig Tree, St Bartholomew's Church, Old Sealand Rd, Sealand, Flintshire CH5 2LQ.

 **2pm to 7pm, Wednesday 26 March 2025**

 **10am to 2pm, Thursday 27 March 2025**

We wrote to over 1800 properties located in the vicinity of the site, inviting people to the informal consultation events.



Up to 16,902 tonnes of CO₂ saved annually



Up to 40 MWh of battery storage



Up to 33,575 homes powered





THE PROPOSED SITE

The proposed Sealand Manor Solar Farm & BESS comprises approximately 94.22ha of agricultural land currently in arable rotation. The site is located adjacent to the River Dee overlooking the Connah's Quay industrial zone and is overlooked by the A494 flyover.

Our plans are still in the development stages, so our design proposals will evolve as we gather local input and consider the results of our environmental assessments.

The Proposed Development would include a package of landscape, ecological, and biodiversity benefits that could include the installation of barn owl boxes, bird nesting boxes, bee hives, log piles, restoration of traditional field boundaries, and other hibernacula such as small, buried rubble piles suitable for reptile species, amphibians and insect life.

Any existing hedgerows would be bolstered with additional hedgerow and tree planting, where required, in addition to potential new mitigation planting around the boundaries of the Site, in order to provide natural screening where appropriate. Land between and beneath the panels can be used for biodiversity enhancements and grazing for sheep.





WHY RENEWABLES?

The UK Government has set out a legally binding target to reduce greenhouse emissions by 100% by 2050. In Wales, both local and national governments have declared climate and nature emergencies, and agree urgent action is needed to move away from using fossil fuels. The Welsh Government is committed to accelerating renewable energy development, aiming for Wales to meet 100% of its electricity needs from renewables by 2035.

As one of the fastest-deployable renewable technologies, solar is emerging as a key solution in this energy revolution. By harnessing the power of the sun, we can help Wales, and the UK drive down emissions, boost energy independence, and pave the way for a sustainable future for generations to come.

Solar is also one of the cleanest, lowest cost forms of energy generation available. Sealand Manor Solar Farm & BESS would make a meaningful contribution to Wales and the UK's energy needs by delivering green energy to up to 33,575 homes annually. Over the lifetime of the project, it would save an estimated 676,000 tonnes of CO₂ from being emitted.

This site has been identified following extensive site selection process across the region, which took into account environmental designations, local electricity network access and capacity, the physical characteristics of the site, and the need for a supportive landowner.



FAQ'S

Will there be any impacts on local roads?

For a period of approximately 39 weeks during construction, there will be deliveries of equipment to site. Renewable Connections will put in place measures to manage impacts of construction traffic and these measures will be included in a Construction Traffic Management Plan that will be submitted with the planning application. There will be infrequent maintenance visits to the site during operation.

Will there be any permanent impact?

The solar farm and BESS are temporary and the land will be fully reinstated to farmland once the equipment is removed at the end of the project life. The development proposes a life span of up to 40 years. The land is not brownfield land, and is not able to be converted into residential or commercial development following the decommissioning of the site.

Does the technology pose a health risk?

No - solar is a passive technology which doesn't produce any harmful by-products. For the BESS aspect of the project, LFP batteries (or Lithium Iron Phosphate) will be used. LFP batteries are thermally and chemically stable, with no risk of fumes or gas leaks. They are made of abundant, non-toxic materials like iron, copper and graphite.

What are the benefits to the local community?

Renewable Connections is committed to maximising benefits for the local Community. We will establish a Community Benefit Fund and support local good causes. The project will incorporate a range of ecological and wildlife enhancements on site.

ABOUT US

The Renewable Connections team is unlocking hundreds of megawatts of solar, storage and hydrogen across the UK, increasing energy independence and supporting the country's net zero targets. We are committed to developing high-quality projects which see benefits delivered to local residents and the natural environment.

Find out more at
sealandmanorsolarfarm.co.uk

Delivering our future energy needs today.

www.renewableconnections.co.uk