



The Renewables site

The final design of the renewables site to the south of Magor will be informed by considering the findings from the surveys currently in progress, alongside feedback provided through the ongoing public consultation.

The development would consist of static rows of photovoltaic (PV) solar panels fixed into metal framework supported by either single or double mounted posts. A single 3.45 MW wind turbine would also be located on the site.

- The wind turbine would be approximately 150m high.
- The panels would be set to a maximum height of 3m. Panels would be held on metal poles, which would be pile-driven into the ground to a depth of around 1.5m.
- The final number of panels depends on a variety of factors such as the capacity of each panel and the design of the arrays. It is too early in the process to confirm this yet.
- No flood lights will be installed within or around the site.
- Public Rights of Way (PROW) will not be moved nor closed during construction or operation (if planning is granted). There is a minimum separation distance between solar panels of 2.5m, where biodiversity enhancements such as pasture-mix grassland planting can be implemented.
- Between the arrays and the site perimeter or, in other areas of unused space, we would intend to plant wildflowers or pasture-mix grasses.

We are keen to work closely with the local community to develop a scheme that can provide direct local benefit and ecological enhancements. We are also aware of the importance of the Gwent Levels and local wildlife habitats such as Magor Marsh. By law, we are required to deliver an improvement in local biodiversity of at least 10 percent, meaning we are keen to hear local opinions on which areas of the community would most benefit from ecological enrichment. As such, we are assessing numerous options for environmental improvements as part of the proposals.

