



School Site Location:

Lightwoods Early Years School, 100 Clent Rd, Oldbury B68 9ER is located in Oldbury, Sandwell, West Midlands. The school building runs alongside Wolverhampton Road with dense tree cover shielding the building from the road.

The solar panels will face towards east, west and south as per the orientation of the building and its roofs.

Local residential areas, mainly to the East of the site have sight of the roofs although much of the site has trees and fields that shield the school from passers by.

The proposed installation will be on the roofs of the buildings will to some extent be visible to passers by but they will enhance the look of the building as a centre of teaching and learning without adverse glint or glare effects.



Proposed Design:

The proposed design for Lighwoods Early Years is around 155 solar PV modules with a total generating capacity of 65kWp on mainly sloped roofs of the school and one flat roof.

The solar panels would be of a standard design and appearance, coated with anti-glare and proposed to run in rows according to the orientation of the building and on the flat roof will be facing south across playing fields.

The panels will enhance the overall look and feel of the school as a center of teaching and learning for the nursery and although they can be seen they will not hve any adverse glint or glare for local residents.



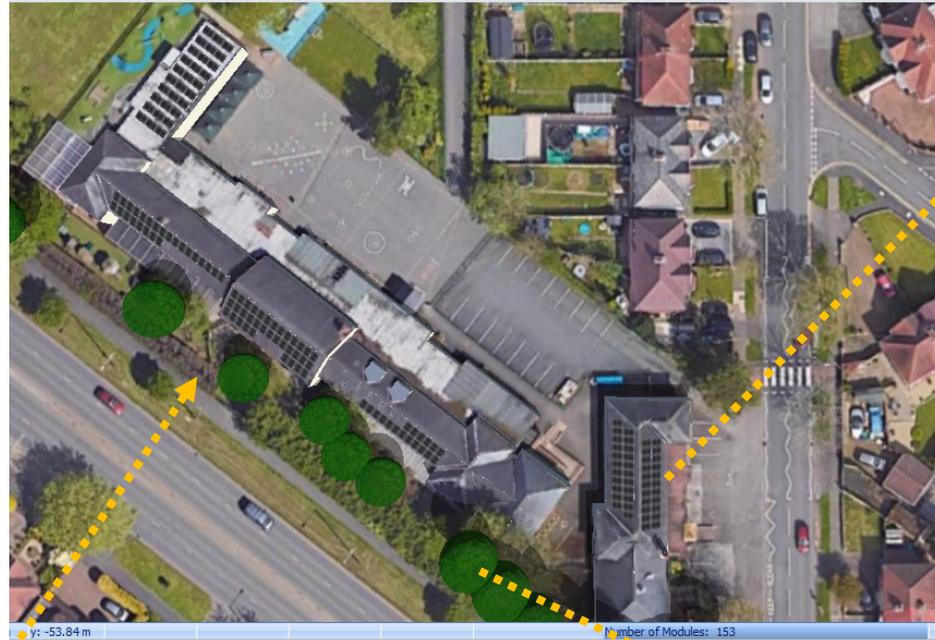
y: -53.84 m

Number of Modules: 153

Views of the school

The school is set back from the road and shielded from the road by the trees.

Although solar installations on school buildings are deemed permitted development for any system under 50kWp an prior notice is only required if they are above this, in this instance to maximise the opportunity the 1m margin requirement does not apply so full planning permission is being sought.



Above: View of the school and the roof that can be seen from residents. The number of panels on this will be slightly more than for a residential home which does not require planning permission.



Above, trees along the road shield the school from the road. Most of the school roof area is hidden.



The one-meter margin rule:

In order to maximise the available roof space at Lightwoods Early Years School given the shading from the trees running alongside the road, panels have been located high to the ridge on the south and east facing roofs of the school buildings which reduces the margins to a roof junction or edge to less than that permissible with permitted development on a school building. So planning approval is being sought.

On a residential property there is no 1m margin stipulation. This design (left) is following what is permissible for residential properties so the opportunity for solar panels can be maximised with the available space to help the school has access as much zero-carbon electricity as possible.