

## New substation and switching yard take shape on solar farm site

The images of the new high voltage substation and 330kV switch yard being built on the solar farm site start to give a good picture of how solar energy generated on site will make its way into the main electricity grid.

The energy generated from the solar modules is sent to power conversion units. It is then sent via electricity cables to the substation, where it is collected by panels inside a switchroom and safely stepped up to a higher voltage.

From there, it travels into the 330kV switchyard which connects with the electricity transmission network which in NSW is managed by Transgrid.

The energy is then transported to the electricity distribution network before making its way to local homes and businesses.

The substation (pictured in the foreground) includes large transformers, protection and control systems as well as circuit breakers along with a range of other important electrical equipment.

The substation and switch yard will be progressively brought online over the coming months prior to formal connection with the Transgrid network.

The entire process is overseen by the Australian Energy Market Operator (AEMO) which manages the Australian Energy Market across Australia's eastern states.



## Application to modify development consents

The Modification Application for the New England Solar and Battery project is nearing completion and will be submitted to the NSW Department of Planning and Environment (DPE) in the coming week.

The modification involves the inclusion of an additional 130 hectares of land from existing land holders to allow for an improved design of the Stage 2 project. It would also include additional battery energy storage capacity as well as an increase to construction vehicle movements and working hours.

Following a formal review process by DPE, it will then be placed on public exhibition for community feedback and comments.

### FOR MORE INFORMATION:

Laura Abbott

Community Liason Officer at Green Light Contractors

☎ 0417 261 453

✉ [info.australia@elec.nor.com](mailto:info.australia@elec.nor.com)



@newenglandsolarfarm



[newenglandsolarfarm.com.au](http://newenglandsolarfarm.com.au)



@newenglandsolarfarm