

## Site Location and Area

- The Project is proposed on land owned by Goldwind.
- The proposed site is located within the Gullen Range Wind Farm project area – see adjacent maps.
- An area of ~100 hectares is being studied as part of the detailed design process.
- The total area of infrastructure is estimated to be 30-50 hectares.
- The exact location and layout of infrastructure is yet to be finalised or decided. The detailed design process will establish the most suitable areas for panels, based on site constraints.
- The exact number and size of panels would depend on supplier chosen. It is expected 40,000 – 45,000 panels would be required.
- Alternative locations are being considered.

## Project Size

- 10-12 MW capacity.
- 25,000 MW hours of clean renewable energy each year.
- Supply approx. 4,000 NSW homes.
- Maximum capital cost less than \$30million.



## Proposed Infrastructure

- Solar panel modules – number and size to be determined.
- Panel support frames, supported by posts either driven or concreted into the ground.
- 1000V-1500V DC junction boxes.
- Inverters and step-up transformers (to convert DC to AC).
- 33kV underground cable to the existing substation.
- Spare parts storage, fencing and minor road works.

## Appearance

- A Landscape and Visual Assessment will be undertaken, with the results presented as part of the Development Application.
- The photomontages presented (adjacent) are indicative and show the combined area of two potential layouts.
- Solar panels would be arranged in a number of rows running east – west. Panels facing north would be tilted at 20-30 degrees to horizontal.
- In between the panels would be a number of small buildings or kiosks housing inverters and transformers.
- Potential for landscape screening will be investigated.
- Potential impacts of glare from the panels will also be investigated.

## Project Description

**GULLEN**  
Solar Farm

Photo by Sacramento Utility District, NREL 01026