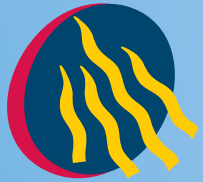


# Fraser Coast Community Solar Farm

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**Queensland Government**

Fraser Coast Community Solar Farm  
Hebblewhite Road  
*Artist Impression*



# Fraser Coast Community Solar Farm

## Fast Facts – Hebblewhite Farm

The Fraser Coast Community Solar Farm will be built at Hebblewhite Farm, Nikenbah.

Hebblewhite Farm comprises 120 hectares and was purchased by Wide Bay Water Corporation as an extension to Hervey Bay's reuse program to help meet our licence conditions. (WBWC must reuse 90% of Hervey Bay's wastewater, 90% of the time.)

A 50 megalitre dam and 50 hectare native hardwood tree plantation are currently under construction on the site.

A further 46ha plantation will be added to the site in the 2012/13 financial year.

Four hectares have been set aside for the Fraser Coast Community Solar Farm (construction has now commenced.)

Funding for this project was promised at the last State Election.

Electricity generated at the site will either be fed back to the grid or used directly in WBWC operations. Either way, WBWC is owned by the Fraser Coast Regional Council so any saving in electricity costs will free up funds for the Council to use in other areas to deliver services to rate payers.

Approximately \$1.1m of the \$2.7m will be spent on the direct purchase of solar cells and invertors which are procured at the best value for money price on the international market.

## Fast Facts – Solar Farm

Total rated capacity: (kilowatts)	401 kW
Annual power production: (megawatts hours)	630 MWh per annum
Total number of ground mount solar panels	1,584
Total number of watts per solar panel	250 W
Solar panel technology	Mono-crystalline silicon
Total number of inverters	2 x 330kW
Inverter technology	Large central inverters rather than small string inverters
Step up transformer (to increase voltage from 240 volts to 11,000 volts for connection to the transmission lines)	1000kVa
Average greenhouse gas emissions offset each year <sup>1</sup>	554 tonnes of CO <sub>2</sub> -e
Average greenhouse gas emissions offset in lifetime <sup>2</sup>	12,127 tonnes of CO <sub>2</sub> -e

1 This figure will reduce by 0.5% every year from the second year.

2 The average lifetime of solar PV panels is 25 years.

- The total energy capacity of the solar farm is approximate and is expected to increase in the coming months.
- These facts are supplied by Ingenero. For more information, please call Christa Cowell (07) 3188 3311.

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[Principal]



[Contractor]