

The image features a landscape at sunset with several wind turbines silhouetted against a sky transitioning from orange near the horizon to a deep blue at the top. The turbines are scattered across the horizon, with one particularly large one in the foreground on the left. The overall mood is serene and modern, representing renewable energy.

PROJECT/

COOPERS GAP WIND FARM

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Project Name

COOPERS GAP WIND FARM

Date

2020

Location

250KM NORTH OF BRISBANE

Client

COOPERS GAP WIND FARM

Website

AGL.COM.AU



ABOUT THE CLIENT

The Coopers Gap Wind Farm has a 453MW capacity, powering approximately 264,000 homes each year. It is one of Australia's largest wind farms.

5 SBL SOLUTIONS PROJECTS

The Project has 123 turbines capable of producing up to 453 MW making it one of the biggest in Australia.

The wind farm connects to the National Electricity Market via the Western Downs to Halys 275 kV transmission line via a new substation.

COOPERS GAP WIND FARM

123

Wind Turbines

453 MW

Indicative Capacity

232,000

Homes Powered from the Wind Farm in Australia

RELATIONSHIP

Engaged by GE Renewable Energy:



GE Renewable Energy harnesses the earth's most abundant resources – the strength of the wind, the heat of the sun and the force of water; delivering green electrons to power the world's biggest economies and the most remote communities.

GE engineer energy products, grid solutions and digital services that create industry-leading value for our customers around the world.



THE SOLUTION

SBL Solutions provided Electrical and Mechanical resources during the construction phase of this Wind Farm consisting of 123 Wind Turbine Generators. SBL Solutions still has presence on this wind farm for ongoing services.

COMMUNITY

THE PROJECT WILL
CONTRIBUTE TO A
MORE SUSTAINABLE
FUTURE THROUGH
THE SUPPLY OF
RENEWABLE ENERGY
TO THE COMMUNITY.

The Coopers Gap Wind Farm Community Consultative Committee is composed of local representatives and project delegates. It operates as a forum through which the project can share information and the community can raise concerns and ideas for discussion.

AGL granted permit
to build up to 115 wind
turbines at Coopers Gap

June 2017



Construction begins

February 2018



Wind turbines transported
to Australia

September 2018



Initial Installation

November 2018



Generation begins

August 2019



Last wind turbine
completed

April 2020





LOCATION

Coopers Gap Wind Farm is 250 km north-west of Brisbane near Cooranga North, between Dalby and Kingaroy. The site is located on land that's mainly used for cattle grazing and other farming activities.

It connects to a new Powerlink substation along the Western Downs to Halys 275 kV transmission line built by Powerlink.

BENEFITS

During construction the project employed up to 200 people. It is expected that up to 15 ongoing jobs would be created for the operation of the Project.

The project also injects funds into the local community through payments to involved landholders, use of local goods and services and community fund contributions.

The Coopers Gap Wind Farm Community Fund supports initiatives that benefit the local and regional community. This includes projects across health, social welfare, safety, environment, education and youth, sport, recreation, culture, arts and economic development.

The community fund is open to applications from community groups in and around the communities of Bell, Jandowae and Kumbia.



TILT RENEWABLES

AGL reached financial close on the sale of Coopers Gap Wind Farm to Tilt Renewables in August, 2017.

The total development investment for the Coopers Gap project was funded through a combination of Tilt Renewables partners' equity and a lending group comprising Westpac Banking Corporation, Sumitomo Mitsui Banking Corporation, Mitsubishi UFJ Financial Group, Societe Generale, DBS Bank, Mizuho Bank and ABN Amro.



“1 MILLION TONNES PER YEAR OF
GREENHOUSE GAS EMISSIONS WOULD BE
AVOIDED THROUGH SUPPLY OF THE WIND
FARM’S GREEN POWER INTO THE GRID”

Dr Anthony Lynham
Minister for State Development

FAQs

Why was the location for the wind farm chosen?

The project is located in an area with consistent wind, a strong electricity grid and local community support. The addition of renewable generation aligns with state and federal renewable energy targets.

What is the level of investment?

AGL anticipated the total development investment associated with the Coopers Gap project would be approximately \$850 million.

How big are the turbines?

At their highest point, the blade tips are 180m above ground level. Each blade is about 70m long. Each turbine has the capacity to produce either 3.6 MW or 3.8 MW of power.

How big is the wind farm?

The Coopers Gap Wind Farm incorporated 123 wind turbines, access tracks, hardstands, electrical reticulation system, electrical connection works and associated infrastructure. Located on 10 properties, it has a generating capacity of 453 MW.

Why do we need wind farms?

Australia's electricity generation fleet is transitioning to create a more sustainable energy future. Large scale wind and solar generation will play a large part in this transition.



WHO WE ARE

OUR PEOPLE

At SBL Solutions Services we invest in all our people by setting them on a path that allows them to grow and succeed.

Our people are encouraged to speak up and seek any type of assistance needed. This attitude of seeking help and assistance is linked to our strong and positive safety culture across our company.

VISION, MISSION & VALUES

VISION

Our vision is to provide the highest standard of service in the industry, with an emphasis on safety and quality.

MISSION

To assist the onshore and offshore wind industry as one of the main sources of renewable energy by delivering more efficient and sustainable wind energy solutions.

VALUES

- Continual improvement
- Reliability
- Authenticity
- Communication
- Accountability



Contact our team for project-related questions or enquiries.

THE FUTURE OF WIND TURBINE AND RENEWABLE ENERGY