Collinsville Green Energy Hub

Collinsville to play a role in Queensland's energy transition

Major renewable energy company Ark Energy is set to establish a significant utility-scale renewable energy project near Collinsville, south-west of Bowen in north Queensland. The project, called the Collinsville Green Energy Hub, involves harnessing the wind and solar resources across a number of large grazing properties, and has the potential to generate up to 3,000 megawatts of clean, green energy.

The project recently 'toll-gated' to the next stage of the feasibility study, referred to as the final development stage. This involves advancing significant studies including civil and electrical design, installation of meteorological masts, deployment of additional mobile wind monitoring units, ecological surveys, initiation of planning and environmental approvals, and plans for grid connection. This follows early feasibility studies including landholder engagement, Autumn ecology surveys, wind resource monitoring, and conceptual civil and electrical design.

Ark Energy is engaging with a broad cross section of stakeholders as part of detailed stakeholder and community engagement plans, and the proposal will be subject to a rigorous assessment process under both the Queensland Government and Australian Government.

Our changing energy market

Australia's electricity market is changing. The Queensland Government has committed to sourcing 50% of the state's energy needs from renewable sources by 2030 and the Australian Government's *Climate Change Bill 2022* has legislated national greenhouse gas emissions reduction targets of 43% by 2030 and net zero by 2050.

Whole-of-system planning for the National Electricity Market (NEM) is managed by the Australian Energy Market Operator (AEMO) through its Integrated System Plan (ISP). The 2022 ISP states a 'Step-change' scenario is the most likely for transition of the NEM, and that forecasts that coal sources will be retired much faster than originally expected, electricity demand will double and a nine-fold increase in variable utility-scale renewable energy will be required by 2050, with 50 GW of that predicted to come from Queensland. Meeting these targets will require harnessing Queensland's considerable renewable energy potential as quickly and efficiently as possible.

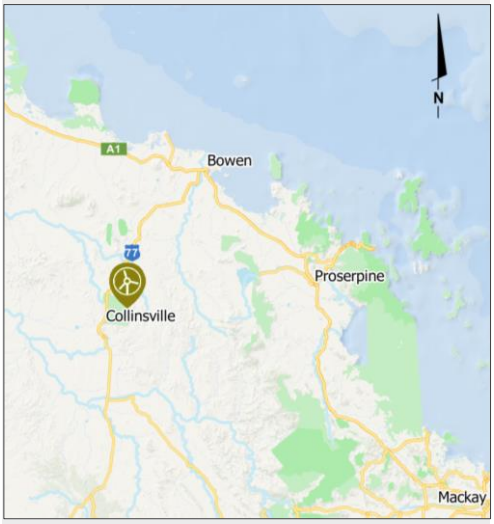
Opportunities to be involved

The Collinsville Green Energy Hub project team looks forward to hearing from and meeting interested members of the community, and working together to maximise the benefits of this project for the local and regional areas.

An information hub for the project is being established at 45 Railway Road in Collinsville. This will provide convenient access to information and members of the project team.

Project updates will also be issued regularly and there will be plenty of opportunities to provide input through local information sessions. The project team can also be contacted directly at any time by phone on 1800 731 296 or email to info@collinsvillehub.com.au.

Location



The Collinsville Green Energy Hub site is approximately 80 km south-west of Bowen in Queensland. It is within the Northern Queensland Renewable Energy Zone, one of three key areas in the state identified as optimal for new renewable energy generation.

- Investment of ~$7.5 billion.
- Set to generate ~$1 billion in local and regional expenditure.
- 350+ jobs during construction and 15-30 jobs for operation.
- A significant economic boost for the Whitsunday, Mackay, Burdekin and Isaac Regional Council areas.
- Target investment decision: 2025
- Target completion: 2030
- Capacity of up to ~3,000 MW
- Result in a net reduction in greenhouse gas emissions of 3,000,000 t CO2-e / yr.

Planning & assessment

Queensland Government

1. Site selection, initial concept and preliminary investigations — WE ARE HERE
2. Pre-lodgment meeting with the State Assessment and Referral Agency (SARA)
3. Studies and technical assessments (prescribed by SARA State code 23)
4. Development application and assessments lodged with SARA
5. Request from SARA for further information (if required) and response
6. Assessment
7. Determination

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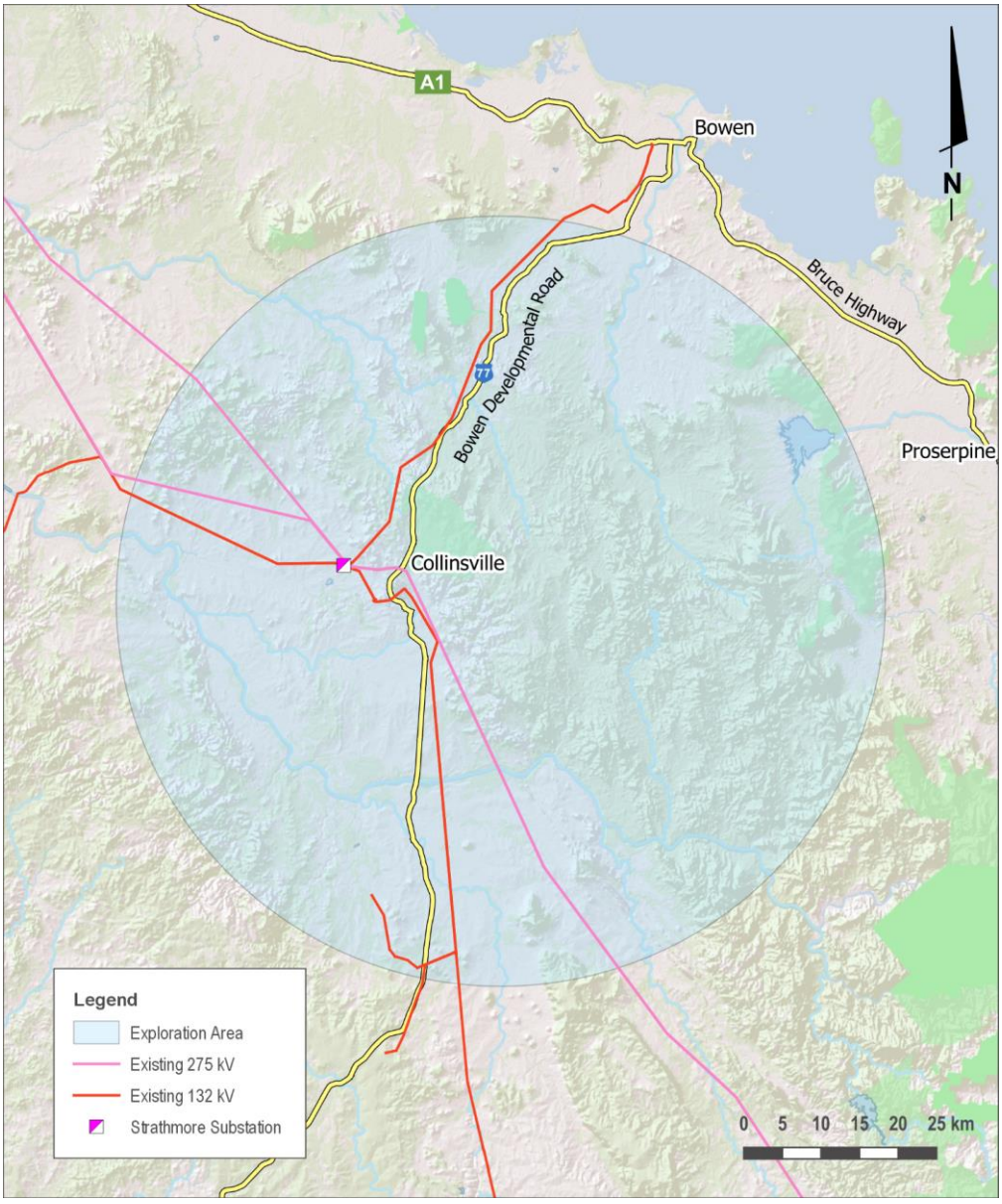
Australian Government

1. Referral to the Department of Climate Change, Energy, the Environment and Water (DCCEEW) for review under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) — Due Q1 2023
2. Decision and advice on appropriate assessment pathway
3. Preparation of assessment
4. Draft assessment submitted for adequacy review
5. Request from DCCEEW for further information (if required) and response
6. Assessment accepted by DCCEEW and placed on public exhibition
7. Response to submissions (if required) and lodgment of updated assessment
8. Final assessment submitted
9. Determination

Collinsville Green Energy Hub investigation area



Investigations for the project are underway around Collinsville and south-west of Bowen.

About Ark Energy

Ark Energy Corporation Pty Ltd is a major renewable energy company with a proud 25-year history in Queensland through its sister company Sun Metals Zinc Refinery in Townsville, the largest private sector employer in the region, and the co-located 124MW Sun Metals Solar Farm, the largest integrated industrial solar farm in Australia. It also owns 30% of the MacIntyre Wind Farm, under construction south-west of Warwick in Queensland, and a number of other wind farm projects under development in the state via its recent acquisition of leading Australian renewable energy developer Epuron.

Ark Energy's mandate is to decarbonise the energy supply of its parent company, Korea Zinc, and other large commercial customers, and become one of the world's safest and most competitive producers and exporters of green hydrogen. arkenergy.com.au

More information

Collinsville Green Energy Hub

Visit - 45 Railway Road, Collinsville. Opening hours to be advised. Currently open by appointment via the contact details below.

Tel - 1800 731 296
Email - info@collinsvillehub.com.au
Website - collinsvillehub.com.au or scan QR code right

Scan QR CODE to visit the website

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