

ATTACHMENT 2

Community Engagement Information



STRATFORD RENEWABLE ENERGY HUB

Fact Sheet
December 2022

Yancoal Australia Ltd is currently investigating diversification opportunities, including investment in other energy related projects, to create a sustainable long-term business. The Stratford Mining Complex has been identified as an ideal location to establish a renewable energy hub post-mining. This beneficial post-mining land use has the potential to provide continued investment to the Gloucester Valley.

■ EXISTING MINING OPERATIONS

The Stratford Mining Complex is an existing open cut coal mining complex located 95 kilometres north of Newcastle in the Gloucester Valley. It began operating in 1995 and is now scheduled to finish in 2024 and closure planning has commenced.

■ PROPOSED PROJECT

The proposed Stratford Renewable Energy Hub (SREH) includes a:

- **Pumped Hydro Energy Storage** (3600MW hrs over a 12 hour cycle)
- **Solar Farm Facility** (330MW initial capacity)

The SREH would be developed on and adjacent to the Stratford Mining Complex on Yancoal-owned land. The centrepiece of the SREH is the Pumped Hydro Energy Storage which would utilise the mine's existing dams and water stocks as a lower reservoir and backup water supply and storage.

The Pumped Hydro Energy Storage would provide on-demand, dispatchable power into the grid at peak times or when the energy generated by other renewable energy sources is unavailable.

The "behind the meter" Solar Farm Facility would provide a portion of the energy to recharge the Pumped Hydro during daylight hours when there is excess renewable electricity already in the grid.

■ CURRENT STATUS

Yancoal has completed a Pre-Feasibility Study and commenced the following:

- a Feasibility Study;
- baseline environmental studies; and
- stakeholder engagement.

■ STRATEGIC CONTEXT

Pumped Hydro Energy Storage has been endorsed by Government as one of the most effective and reliable forms of long duration energy storage which will be required to balance the growing supply of intermittent renewable energy sources following the staged closure of coal-fired power stations across the country.

The SREH would help NSW meet its targets to replace 5GW of coal-fired electricity by 2030 and build 2GW of new long duration storage by 2030.

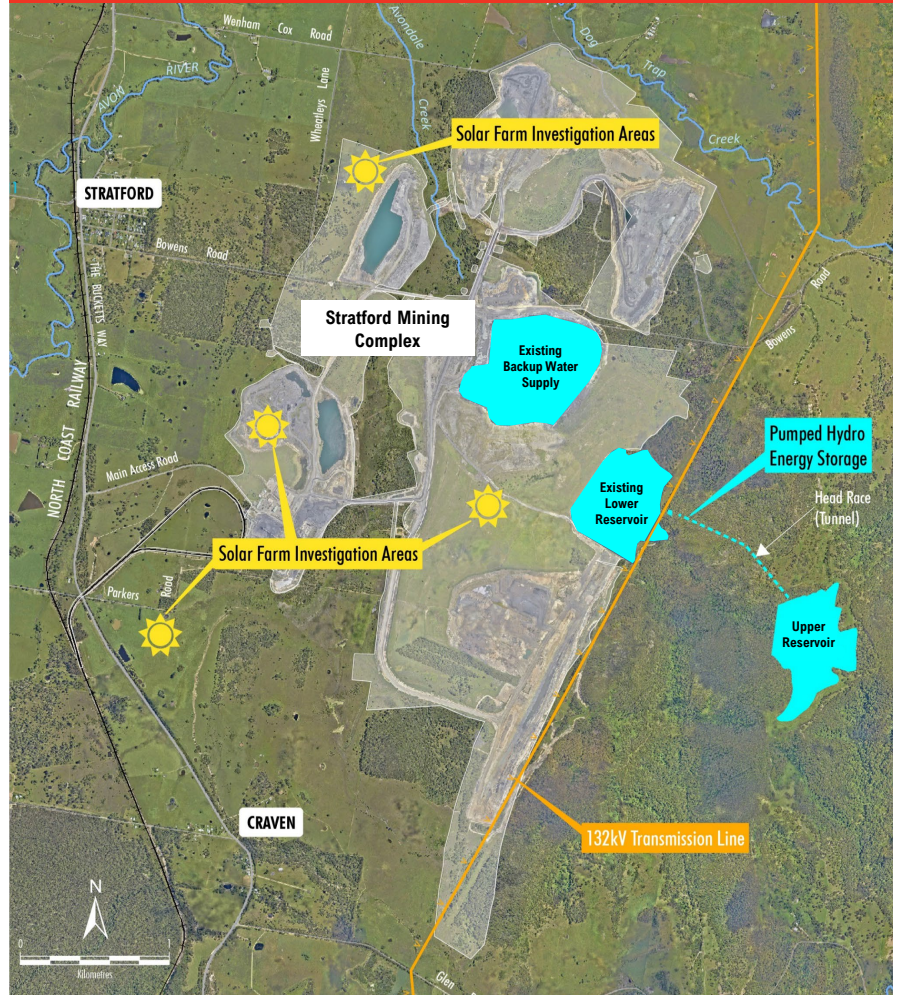
AN IDEAL LOCATION

The Stratford Mining Complex's proximity to existing electricity transmission infrastructure and demand centres, its expansive landholding and the topography make it an ideal location for a renewable energy hub.

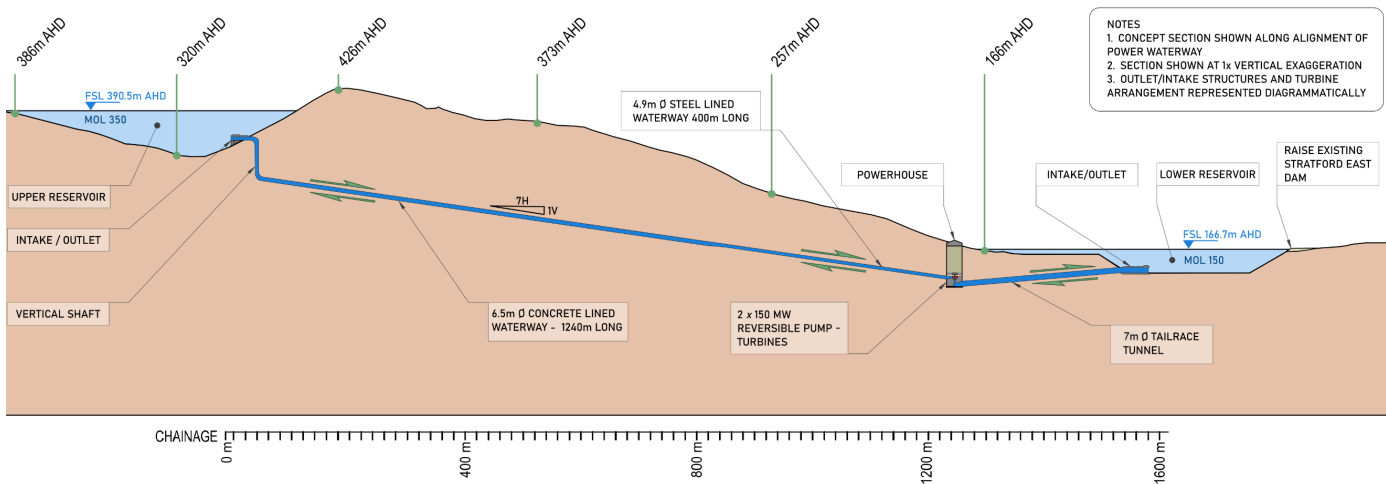
PROJECT BENEFITS

- Aligns with Government objectives to decarbonise the electricity network and promote private investment in large-scale renewable energy projects to deliver reliable and affordable electricity to households and businesses
- Provides long duration energy storage to deliver dispatchable power at times of high demand and low supply
- Provides enough renewable energy equivalent to the daily energy consumption of 140,000 to 180,000 households
- Provides an opportunity to beneficially re-use part of the land after the cessation of coal mining in 2024
- Generates investment in the Gloucester Valley
- Further potential to expand the SREH to include other renewable energy sources

INDICATIVE LAYOUT

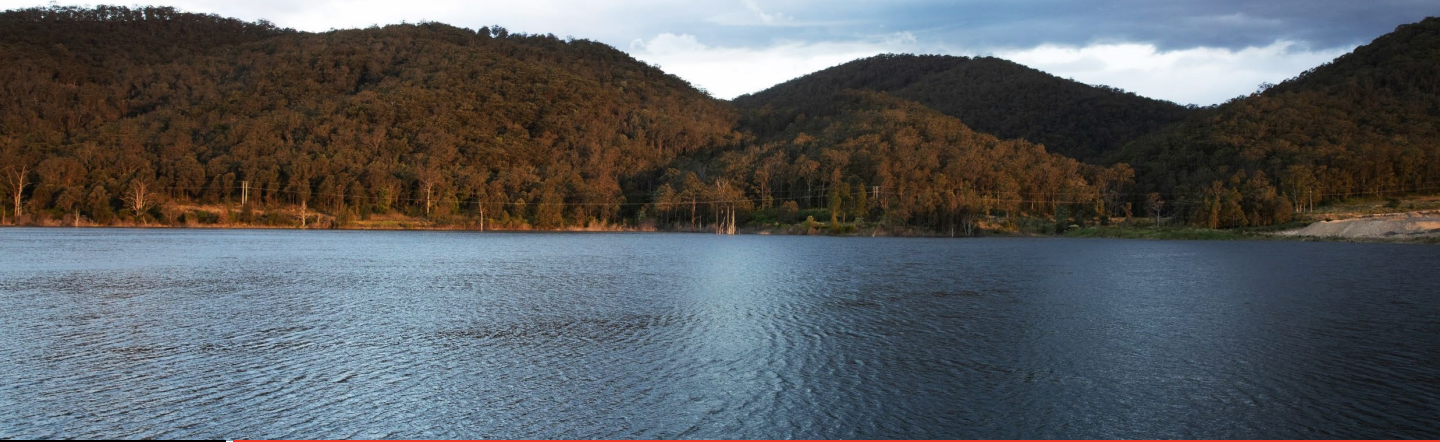


PUMPED HYDRO ENERGY STORAGE CONCEPT



If you would like further information on the proposed Project, please do not hesitate to contact us.

Email: SREH.feedback@yancoal.com.au
 Website: www.stratfordcoal.com.au/page/SREH



STRATFORD RENEWABLE ENERGY HUB

Fact Sheet
April 2023

Yancoal Australia is currently investigating diversification opportunities to create a sustainable long-term business. The Stratford Mining Complex is an ideal location to establish a renewable energy hub after mining has ended, which could generate investment and other benefits to the Gloucester Valley.

■ WHERE IS THE PROJECT LOCATED?

The proposed **Stratford Renewable Energy Hub (SREH)** is located in the Gloucester Valley, 95 kilometres north of Newcastle.

The SREH would be developed on and adjacent to the Stratford Mining Complex, where coal mining will end in 2024.

■ WHAT DOES THE PROJECT INCLUDE?

The SREH will initially include:



**Pumped Hydro
Energy Storage**
3600MW hrs over
a 12 hour cycle



**Solar Farm
Facility**
330MW

The SREH will require a connection to the transmission network. Yancoal is currently working with transmission network service providers to identify connection options and network upgrades.

■ WHAT IS YANCOAL'S PLAN FOR ENGAGEMENT?

Yancoal has been engaging with a range of stakeholders on SREH and welcomes the feedback received to date.

Yancoal will continue to consult with the community, Council, Government agencies and other key stakeholders as the Project progresses.

■ WHY IS PUMPED HYDRO CRITICAL TO THE TRANSITION TO RENEWABLE ENERGY?

The Australian Energy Market Operator (AEMO) has identified that the closure of coal-fired power stations across the country is likely to lead to considerable electricity shortfalls after 2028.

To address this electricity shortfall and supplement the growing but intermittent renewable energy supply, long duration energy storage is needed.

Pumped Hydro Energy Storage has been endorsed by Federal and State Governments as one of the most effective and reliable forms of long duration energy storage, because it delivers dispatchable power at times of high demand and low supply.

The NSW Government has also set a target of building an additional 2 Giga Watts (GW) of long duration energy storage by 2030. SREH would represent 15% of this target.

If developed within the anticipated timeframe, SREH could play a key role in supplying electricity to offset future energy shortages identified by AEMO and the NSW Government.

■ WHEN WILL YANCOAL COMMENCE THE APPROVAL PROCESS?

The first part of the approval process is for Yancoal to submit a Scoping Report with the NSW Department of Planning and to request the requirements for the project’s Environmental Impact Statement (EIS).

Yancoal is aiming to make this request in July 2023. Studies to support an EIS have already commenced.

■ WHEN WOULD SREH GENERATE ITS FIRST ELECTRICITY?

Project approvals are likely to take two years, before construction, which is expected to take three years, can commence.

First power from the SREH could be generated during 2028 (refer to timeline below).

The SREH aligns with Government objectives to decarbonise the state’s electricity network and to promote private investment in large-scale renewable energy projects.

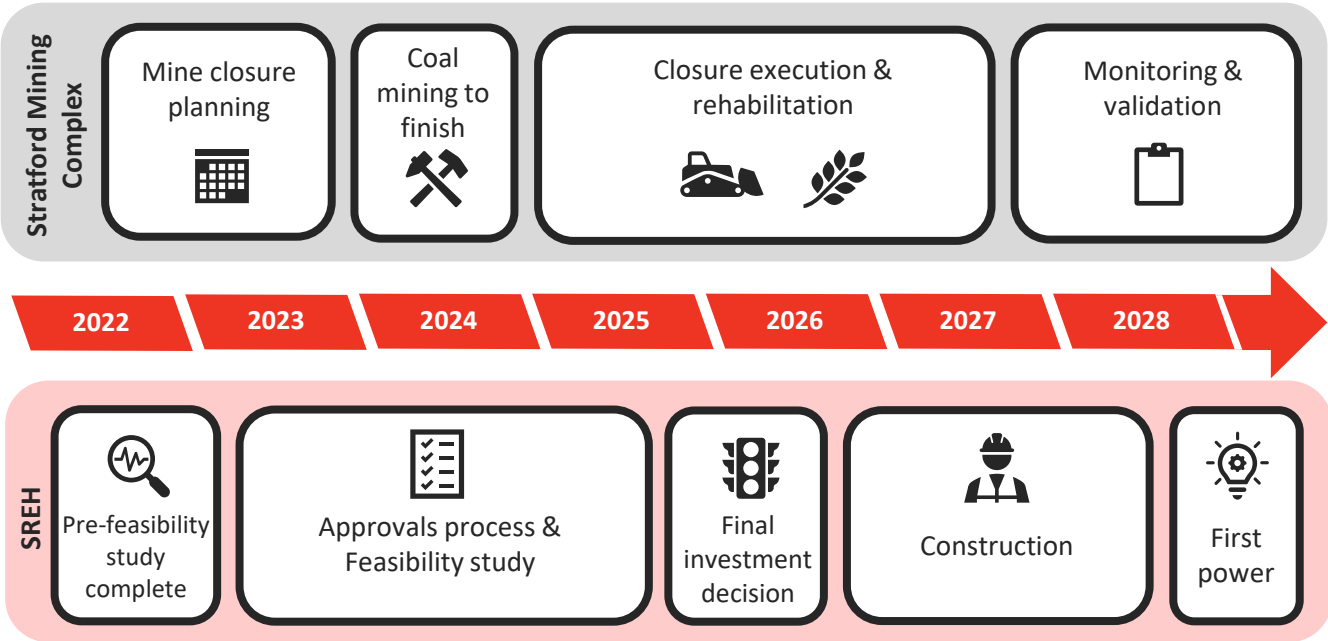
■ HOW DOES THE SREH ALIGN WITH END OF MINING AT STRATFORD?

With coal mining set to finish in 2024, the closure of the Stratford mine will coincide with potential construction of the SREH (refer to timeline below). This provides an opportunity to repurpose existing mining infrastructure, water stocks and land for the SREH.

Yancoal is confident the two processes can be effectively and safely harmonised.



TIMELINE



If you would like further information on the proposed Project, please do not hesitate to contact us.

Email: SREH.feedback@yancoal.com.au
Website: www.stratfordcoal.com.au/page/SREH



MARCH 2024

STRATFORD & DURALIE UPDATE

WHAT'S HAPPENING AT STRATFORD?

Stratford is still on track to cease mining by **mid 2024**. Closure planning continues, and work has already begun to ensure final rehabilitation is completed to achieve Government sign off.

Once mining stops, employees will remain working at the site for **around four years**, closing operations, removing infrastructure and undertaking rehabilitation. This will be followed by **10-15 years** of ongoing monitoring and maintenance of rehabilitated areas.

We will continue to provide information to employees, suppliers and the local community regarding the site's closure and future uses of the site, once available.

WHAT'S HAPPENING AT DURALIE?

Mining operations at Duralie finished in **2021** and the site has transitioned to closure.

Early closure works, such as infrastructure decommissioning, have commenced while detailed mine closure planning is underway.

Rehabilitation activities will ramp up once this planning is complete.



COMMUNITY SUPPORT PROGRAM

Yancoal proudly funds local projects and initiatives that have the potential to make a positive difference within the community. For 2024, we are pleased to announce that we are supporting **26 local community organisations**, bringing the total contributions since 2010 to over **\$1,000,000**.

The Community Support Program (CSP) is a voluntary initiative and Yancoal has decided to continue this program until bulk works and rehabilitation are completed at Stratford and Duralie. As such the CSP is expected to run until approximately 2028.

For more information on the Community Support Program please visit:

<https://www.stratfordcoal.com.au>



2024 Community Support Program Recipients

ABOUT THE STRATFORD RENEWABLE ENERGY HUB (SREH)

The proposed **SREH** represents an opportunity for Yancoal to transition the Stratford site from an operating mine into a **renewable energy project**. If the project is to go ahead, it could generate more renewable energy for NSW via a pumped hydro scheme and a solar farm.

The SREH could create **up to 350 full time jobs** over the four-year construction period, and if operational, will employ approximately 10 full time employees, which will increase to around 30 people during periodic maintenance activities.

More information will be shared on the proposed SREH at the Community Information Sessions.

CURRENT STATUS

Yancoal continues to progress preparation of a Feasibility Study for SREH. In parallel, Yancoal is currently preparing an Environmental Impact Statement (EIS) to support an application for State and Federal approval.

Yancoal is proud to be investing into local and regional Australia, helping build stronger communities across the country.

SREH COMMUNITY INFORMATION SESSION

Yancoal will be holding two Community Information Sessions in March. The first session will be held at **Stratford Hall** on **Monday 25th March from 3pm – 6pm**, with the second session taking place at **Gloucester Council Chambers** on **Tuesday 26th March from 3pm – 6pm**.

We encourage community members, local businesses and relevant stakeholders to attend as we will be sharing project updates on the SREH. Key team members from Yancoal will be available in each session to speak to and **answer any of your questions**.



Scan QR code to
take our online
survey

MORE INFORMATION

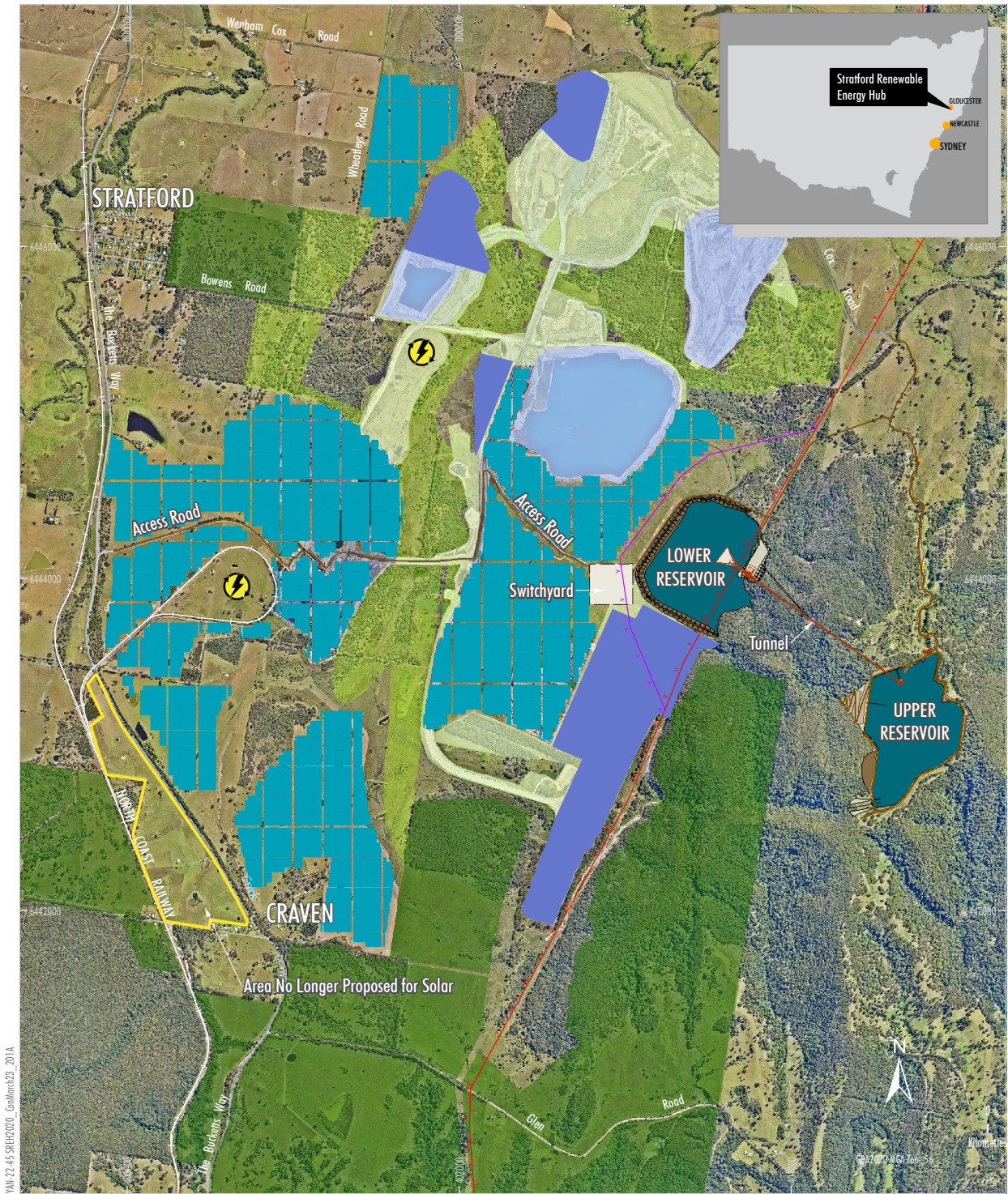
We continue to work with the Government to confirm the appropriate State and Federal approval pathway for the Project. In February 2024, the Department of Planning Housing and Infrastructure (DPHI) issued Secretary's Environmental Assessment Requirements (SEARs) for the SREH EIS and we anticipate that these SEARs will be updated shortly to include Commonwealth matters under the *Environment Protection and Biodiversity Conservation Act 1999*.

INDICATIVE TIMEFRAMES

	2022	2023	2024	2025	2026	2027	2028	2029
STRATFORD MINING COMPLEX								
Coal Mining								
Mine Closure Planning								
Closure Execution and Rehabilitation								
Monitoring and Maintenance								
SREH								
Pre-Feasibility Study								
Feasibility Study								
Major Environmental Approvals								
Subordinate Approvals								
Final Investment Decision								
Construction								
Operation								

SREH CONCEPT PLAN

We are continuing to investigate and refine the location of the proposed solar development in response to environmental impact assessments, community consultation and to maximise rehabilitated mine land. The location of solar west of the Bucketts Way is no longer being investigated in favour of optimising alternate land areas within our mining leases. These areas will continue to be refined through the assessment and approval process.



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- LEGEND**

 - Existing 132 kV Electricity Transmission Line
 - Native Ecosystem
 - Post Mining Waterbody
 - Proposed Native Ecosystem Rehabilitation
 - Existing Offset Area
 - Biodiversity Enhancement Area
 - Potential Areas for Future Renewables
- Proposed Components**

 - Proposed Alternative 132 kV Electricity Transmission Line Re-alignment
 - Proposed Solar Photovoltaic Array Layout
 - Area No Longer Proposed for Solar
 - Additional Potential Solar Investigation Area on Rehabilitated Mine Land

Source: NSW Spatial Services (2023); Yancoal (2023)



YANCOAL
YANCOAL 澳洲大利亞有限公司

YANCOAL - STRATFORD RENEWABLE ENERGY HUB

Concept Plan



JULY 2024

STRATFORD & DURALIE UPDATE

WHAT'S HAPPENING AT STRATFORD?

After almost 30 years, coal extraction at Stratford has ended. Since the first train departed the site in July 1995, Stratford Coal has successfully operated an open-cut mine, with the last train leaving site in July 2024.

During this time, Stratford Coal has achieved significant milestones, **including the washing and railing of over 65 million tonnes of coal.**

This demonstrates Yancoal's long-standing commitment to efficient and sustainable mining operations.

Our team's focus is now on decommissioning, continuing land rehabilitation and exploring potential beneficial uses for parts of the site. Work to rehabilitate and then maintain and monitor the land to achieve NSW Government sign off is expected to take between 10 and 15 years.



WHAT'S HAPPENING AT DURALIE?

Mining operations at Duralie finished in 2021 and the site has transitioned to closure. Early closure works, such as infrastructure decommissioning, have commenced while detailed mine closure planning is continuing. Rehabilitation activities are continuing, including monitoring and maintenance.



THANK YOU FROM STRATFORD COAL

Our people are at the centre of everything we do. I would like to acknowledge, thank, and pay tribute to our **mining crews and staff who have worked at the mine over the past 29 years.**

Additionally, I extend our gratitude to our suppliers for their invaluable contribution to our success, and to the local community for their continued support of our operation.

We will begin to prepare for a staged scaling back of our workforce. Our people will continue to work on

the clean-up and decommissioning of the site over the next four years. We will also work on the continued rehabilitation of the **Stratford and Duralie sites, which is expected to take between 10 to 15 years.**

Yancoal is supporting staff who are leaving the mine to continue their careers. This includes redeployment opportunities, where possible, to Yancoal's other operations.

John Cullen,
Operation Manager



COMMUNITY SUPPORT PROGRAM

Yancoal proudly funds local projects and initiatives that have the potential to make a positive difference within the community. The Program seeks to target a whole range of community needs such as education, environment, healthcare and aged services, infrastructure projects, arts, leisure and cultural heritage.

Earlier this year we announced that we are supporting 26 local community organisations in 2024, **bringing the total contributions since 2010 to over \$1,000,000.** The next round of applications will open on the 19th of August and close on the 27th September. The CSP will prioritise projects that support the community's socio-economic transition.

For more information on the Community Support Program and how to apply, please visit:

www.stratfordcoal.com.au/page/community/community-support-program/



UPDATE ON THE STRATFORD RENEWABLE ENERGY HUB (SREH)

The proposed Stratford Renewable Energy Hub represents an opportunity for Yancoal to transition the Stratford site from an operating mine into a renewable energy project. If the project is to go ahead, it could generate more renewable energy for NSW via a pumped hydro scheme and supporting solar facility.

We are continuing to assess the feasibility and have commenced applications for NSW and Federal Government approvals. **As of July 2024, the NSW Government has declared the SREH as Critical State Significant Infrastructure (CSSI)** given its potential significance to the NSW economy by helping to maintain critical energy security.

We will continue to update the community on progress through our next SREH newsletter and website.

www.stratfordcoal.com.au/page/SREH/



INDICATIVE TIMEFRAMES

	2022	2023	2024	2025	2026	2027	2028	2029
STRATFORD MINING COMPLEX								
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