OUR PATH TO TRANSITION
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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).

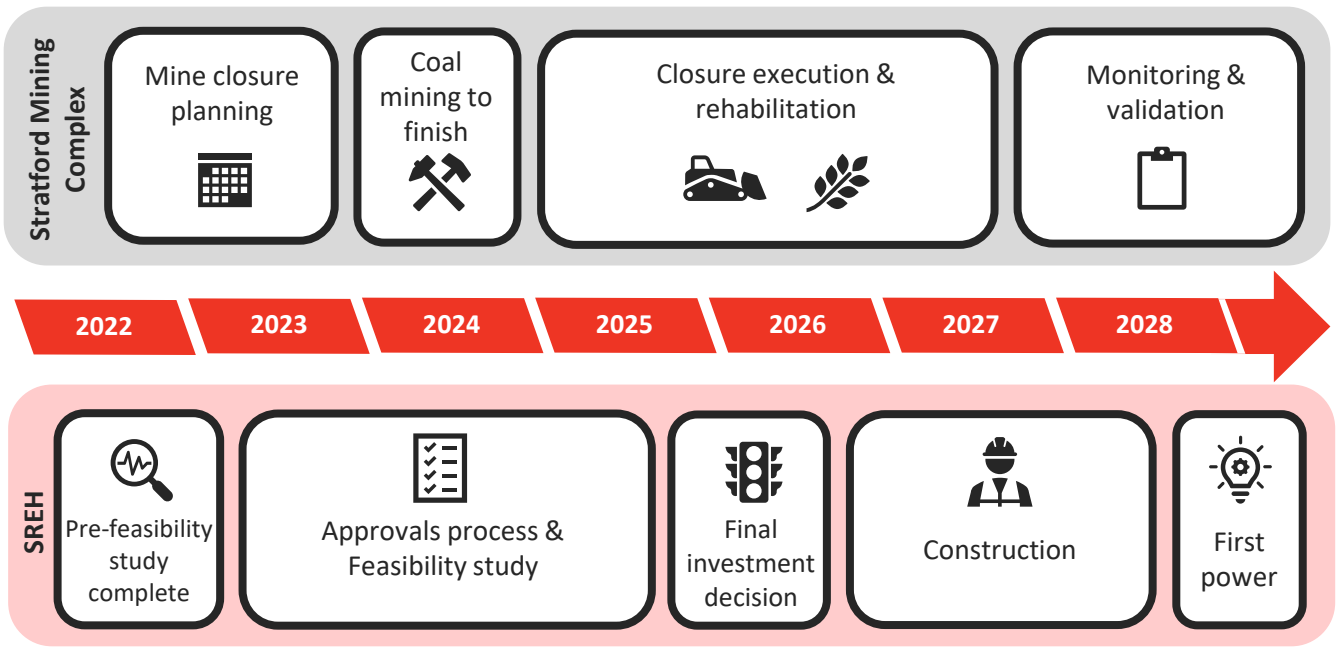
The SREH aligns with Government objectives to decarbonise the state's electricity network and to promote private investment in large-scale renewable energy projects.

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.

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