

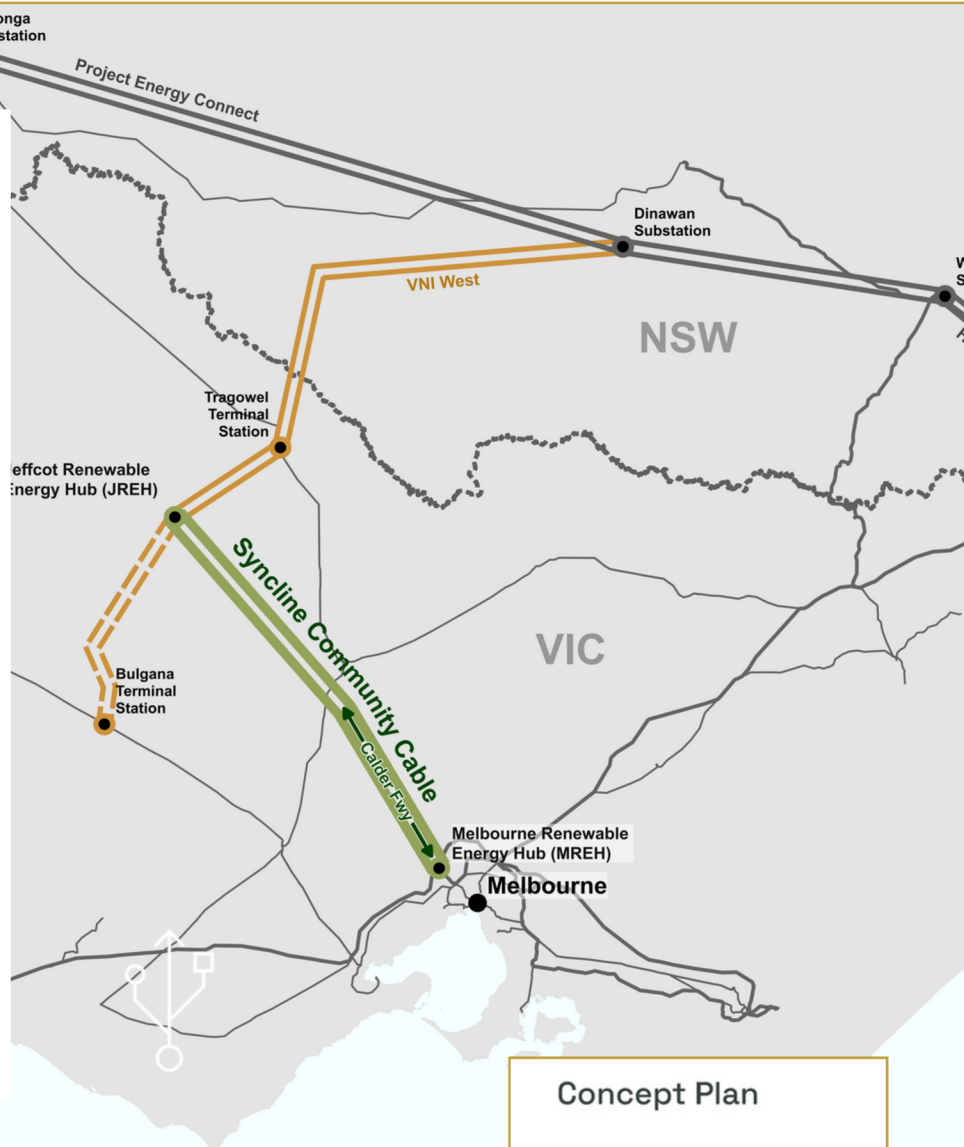
Syncline Community Cable

Doing transmission differently






Syncline Energy is proposing a 265 km, High Voltage Direct Current (HVDC) underground transmission line connecting the Melbourne Renewable Energy Hub (MREH) to north western Victoria.

The Syncline Community Cable (SCC) is a new approach to reinforce Victoria's electricity network and provide more reliable power, with less impact to communities along the way.

The proposed cable would start at MREH at Plumpton, running approximately 100 km in the median strip of the Calder Freeway to Ravenswood, then across 165 km of private cropping and grazing land to its terminus near Jeffcott.



Concept Plan

-  Syncline Community Cable
-  Proposed Terminal Stations
-  VNI West
-  NSW Proposed Transmission
-  Existing Transmission Network

Key statistics



>25% increase

in Victoria's renewable energy hosting capacity (>3.1 GW)



1.5GW to 2GW HVDC

underground transmission link



60 landowners

along the route signed up or in final agreements



>25% increase

in NSW's interconnector flows (>2.3 GW)



Only 8 large trees

to be removed, of the 649 trees identified within the investigation area

The Syncline Community Cable concept

In this location, and for this purpose, undergrounding makes sense

The proposal represents a new transmission 'superhighway' to western Victoria, connecting the high energy-demand centre of Melbourne directly to renewable energy generation in the northwest and connecting lines to NSW.

It offers a better engineering solution, resulting in transmission losses up to 60% lower than the overhead transmission alternative. The underground design is significantly more robust and resilient, reducing the risk that storms and fires present to the existing transmission network.

Importantly, it delivers a power line that is more compatible with agriculture, and once constructed, the land can be used for cropping and grazing as before.

Proposal objectives



Critical infrastructure
for Victoria



Optimised transmission
route



Delivering a stronger
network at a lower cost



Policy aligned
economic benefits



Building strong social
licence for transmission

Route selection

Syncline Energy has worked extensively with local landowners to develop a unique transmission proposal, using public land along the Calder Freeway and privately owned cropping and grazing land.

The project has been developed via a multi-staged route refinement process, including initial route investigations, multi-criterion assessment and micro siting.

1

Initial route investigations

(complete)

Several exiting linear corridors were identified with the Calder Freeway median identified as the most appropriate option with the advantage of being direct, already disturbed, having relatively few biodiversity values, and offering an established corridor with good buffers from residential land.

2

Multi-criterion assessment

(complete)

From the Calder Freeway, a multi criterion constraints assessment was undertaken to identify a route from Bendigo to Newbridge and then from Newbridge, north of Bridgewater on Loddon and Inglewood then west to Charlton south of Wedderburn.

3

Micro siting

(complete - subject to final engineering design and technical assessments)

The preferred route has been refined over time. Changes have been made in response to engineering requirements, technical assessment findings and landowner engagement. The route is now largely agreed, but may be micro sited further following final engineering design and technical assessments.

Community Trust

In addition to the usual compensation and payments, landowners are offered the opportunity to participate in a unique Community Trust arrangement, offering a stake in the project and benefiting financially from its success.

The Trust would operate under an Australian Financial Services Licence (AFSL) held by Equity Trustees Limited.

Part of the Trust will be allocated for community projects and will be distributed by an appropriately constituted committee of involved landowners and independent members.



Next steps

Subject to necessary approvals over the next 12 months, construction of the Syncline Community Cable can begin in late 2026 and become operational in 2031.

Planning and environmental assessments have now commenced to support the approvals required and inform the design and construction approach.

More information

Further information is available on the website, including a detailed FAQ section.



synclinecommunitycable.com.au

Get in touch

Please contact us with any questions.
We will respond promptly.



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