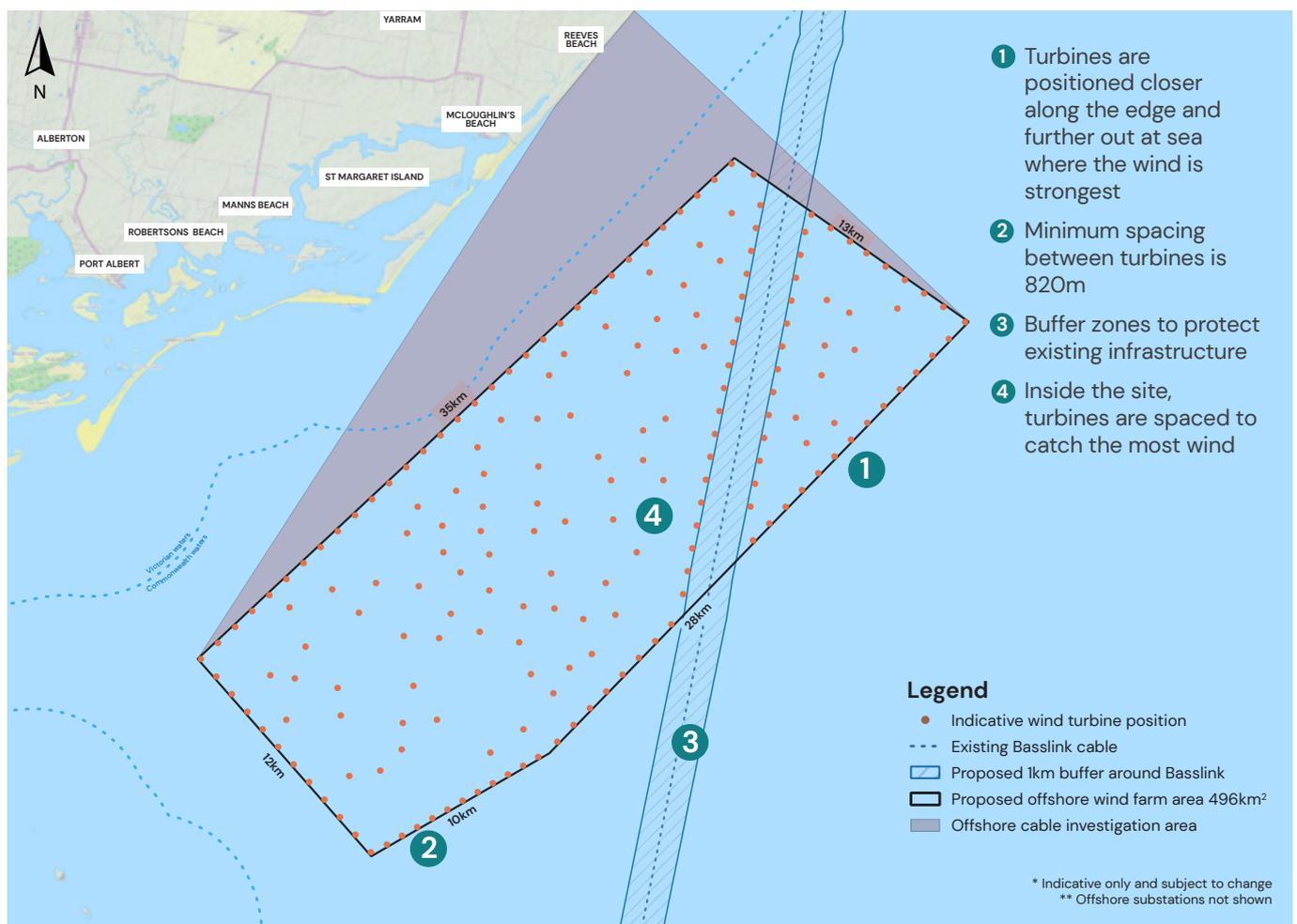


Wind farm layout

A well-designed wind farm catches more wind to generate electricity.

Draft layout concept for consultation

This layout has been developed as a starting point for consultation and as the basis for our environmental assessments.



We'll finalise a layout after investigations and assessments are complete

We're still collecting the information and feedback needed to finalise a wind farm layout.





All considerations are important, but some will conflict with others. Getting a good overall outcome will mean balancing different considerations.

What's important to you?

Designing the layout

Here's the key things we'll consider, over the coming years, to refine and finalise a wind farm layout.

Maximising electricity production is a key driver for a wind farm layout, while minimising impacts on the environment and other users.

Key considerations



Catching the wind

- To maximise electricity production for a more efficient project and to reduce electricity prices



Environment

- Ensures local environmental conditions, birds and marine life are considered
- Ensures turbines are positioned in locations where the geology is suitable



Other users of the sea and existing infrastructure

- Considers how others use the sea and how the offshore space can be shared
- Ensures existing infrastructure is protected
- To support safety at sea



Safety, approval, regulatory and legal requirements

- Ensures the layout is safe and meets all necessary requirements.

What's the wake effect?

Wake is caused when the wind hits a turbine and slows down, resulting in turbines downstream getting less wind and producing less electricity. Leaving plenty of space or staggering turbines allows the wind to pick up again before it hits the next turbine. Reducing wake is an important part of designing an efficient and reliable wind farm and reducing the cost of electricity.



Photo by Bel Air Aviation Denmark - Helicopter Services

More information

To find out more about the Star of the South project and register for updates:

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