

# Environment

## Project overview

Venice Energy's proposed LNG import terminal at Outer Harbor, Port Adelaide will bring significant benefits to South Australia and the regional community. It will diversify gas supplies and increase the State's energy security, while enabling downward pressure on gas prices for both domestic and industrial gas users.

The proposed site, on the Port River at Outer Harbor, is located adjacent to the Pelican Point gas fired power station where there are no land-based species of conservation significance in the proposed project area. *See Image 1.*

The Project will involve the construction of two new operating berths. Some dredging within Outer Harbor will be required to maintain the channel and to allow for safe ship movements to and from the area.

While the surrounding area is an industrial zone, Venice Energy respects the environment in which it is proposing to operate, in particular, the broader surrounding marine environment. The Project team will ensure that any approved construction and operations adhere to the strictest environmental standards and open and regular communication with stakeholders on progress will be undertaken.



Image 1. Proposed dredging site map change.

## Working in the marine environment

Seagrass distribution in the Outer Harbor channel is well understood. As such, dredging will occur in the cooler months where seagrasses are dormant. Lessons have been learned from past campaigns and will be applied to this Project. A recent study by the EPA assessed the impact of seagrasses from turbidity generated from the Flinders Port channel widening operations and showed no detectable seagrass loss outside the immediate area\*.

Venice Energy's proposed works will be guided by a project specific management plan, including real-time monitoring, that closely follows the plan used by Flinders Ports. Venice Energy's proposal can only commence once its plan has been approved by the EPA. As with previous similar works, this plan will include transfer of marine material into the EPA approved deep ocean site, tens of kilometers away from seagrass meadows. It is important to understand that no seagrasses exist in this deep-water zone.

\*[https://www.epa.sa.gov.au/files/14656\\_outer\\_harbor\\_seagrass\\_condition\\_sep2020.pdf](https://www.epa.sa.gov.au/files/14656_outer_harbor_seagrass_condition_sep2020.pdf)

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## Marine mammals

Our project will only proceed with approval under strict construction and operating guidelines and plans. These guidelines and plans include the inclusion of marine mammal spotters at all times during marine based work and work will stop if mammals are spotted. All operations and vessel movements will be undertaken in accordance with the current Flinders Ports operating rules and measures outlined in the Adelaide Dolphin Sanctuary Plan under the Adelaide Dolphin Sanctuary Act 2005.

## Marine pest species

A Marine Pest Management Plan will be developed to prevent the spread of existing pests. This plan will include management strategies to mitigate the risk of Pacific Oyster Mortality Syndrome (POMS).

## Transitioning to renewable energy

Venice Energy has committed to operating the proposed facility utilising renewable energy sources. The Project will supply a proportion of the future demand for gas, including power stations as well as industrial and domestic users. Should the future demand for gas decrease significantly, the movement of gas will decrease accordingly and ultimately, as renewable energy transition occurs, the FSRU can be relocated to another part of the world.

The Project will play an important role in underpinning the renewables sector by providing firm dispatchable energy at times when wind and solar are not operating.

*Image 2. A section of the Project site on reclaimed land looking east toward the Pelican Point Power Station.*

