
SIRA NEWS

Wednesday, 27th June, 2018



Scotland Island Energy Reliability Project



Community Newsletter June 2018

Project update

As you may have read in our previous newsletter, Ausgrid is moving forward with separate energy reliability solutions for Scotland Island and West Pittwater. Prior investigations concluded that two different approaches are required due to the layout and design of the existing network and unique challenges in each location.

Ausgrid's proposed solution for Scotland Island is to utilise Horizontal Directional Drilling (HDD) to create an underground bore from Church Point to Carols Wharf, Scotland Island, which will house a new electricity cable. Both the new and existing cable will provide service simultaneously in order to reduce the likelihood of future failures. The new cable will lie in a conduit (pipe) below the ocean bed rather than sitting on the ocean floor as the current cable does, which reduces the risk of damage by marine craft or seabed erosion.

As part of the design for the HDD bore, Ausgrid is factoring in future energy requirements for the Island, and are continuing discussions with the NBN and other organisations with the intention of including communication fibre in the conduit.

Upcoming Ground Investigations

From late June, Ausgrid and its contractor GHD, will be conducting ground investigations along the proposed HDD bore path to gain a better

understanding of ground conditions to inform detailed design.

Geophysical testing - Geophysical testing will be undertaken to assist in determining the underground rock profile from 25– 29 June.

Equipment used includes scanning devices and vibration monitors that will be laid across the waterway from Church Point to Carols Wharf, as well as in the park and beach area adjacent to the southern end of the Church Point carpark. The areas will be clearly marked and we anticipate there will be no impact to access.

Boreholes – At this stage Ausgrid intends to drill five boreholes along the route. One will be in the grassed area at the southern end of the Church Point carpark, three within the waterway and one in the vicinity of Carols Wharf on Scotland Island. Pending the outcome of the initial geophysical testing and equipment access restrictions, the Scotland Island borehole will either be drilled in the shallow water on the western side of Carols Wharf or in Harold Reserve.

Relocation of boats - We are working together with Scotland Island Residents Association (SIRA) and Northern Beaches Council to request residents assist in clearing the front area of Harold Reserve of all private boats and boards stored in that location. In addition to this, we require the temporary relocation of the small boats tied up on the western side of Carols Wharf while we complete the borehole on 9 and 10 July. Signs will be in place indicating the required clearance areas. Please contact us on the details below regarding relocation of boats and kayaks if required.

Church Point carpark - As part of the borehole testing on the 16 and 17 July, GHD, is required to occupy the row of eight parking spaces at the southern end of the Church Point carpark. Signs will be in place to remind residents and visitors to not park in this area while the work is happening.

Waterways – Whilst working in the waterway, the boring equipment will be situated on a barge approximately 27m x 6.5m. It will be clearly marked and will be using lights and buoys in the evenings for increased visibility. We expect to be in each location for up to three days and ask commuters to be aware of the barge and make required changes to their normal routes.

Key dates – Expected dates are listed below for the proposed ground investigations. We will notify residents and SIRA if there are any changes.

Date	Activity
26 - 30 June	Geophysical testing at Church Point and across the waterway

9 - 10 July	Borehole at Harold Reserve, Scotland Island
11 - 16 July	Boreholes across waterway
16 - 17 July	Borehole at southern end of Church Point carpark

Timeline

Ongoing	June 2018	June/July 2018	Late 2018	Early 2019
Implementing measures to improve responses to outages on Scotland Island	Bushfire service replacement program	Geotechnical studies to understand ground conditions	Design and approval of a HDD bore and additional cable for Scotland Island	Construction to commence for Scotland Island cable and HDD bore

Horizontal Directional Drilling (HDD)

The diagram below illustrates the HDD concept. Ausgrid currently is working towards a detailed design for the HDD bore to Scotland Island which should be finalised in late-2018. At this point, more detailed information will be provided to the community with the opportunity to provide feedback and make comment. We will continue to keep residents informed and liaise with SIRA as the project progresses.

Operational and land based improvements

As part of this work, Ausgrid is also implementing operational improvements to reduce the impact and duration of future outages for residents. As part of this project we are looking at ways to quickly isolate problems on the Island's overhead network by utilising remote isolating capabilities. This would allow for outages to be isolated to a smaller number of properties so a significantly reduced number of residents would be impacted.

Ausgrid in your area

Expect to see Ausgrid crews inspecting and working on the overhead

network in the coming weeks. Ausgrid has a targeted asset replacement program in high risk bushfire areas, including Scotland Island and West Pittwater. Before the commencement of the next bushfire season (September 2018), Ausgrid has identified electrical assets that require replacement.

In conjunction with our own asset replacement, Ausgrid and its contractors will be working with the community to ensure privately owned assets also comply with bushfire standards. Weather permitting, we expect the program to be completed by early August.

Contacting us

You are welcome to contact us with enquiries

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