

2 October 2017

SYDNEY METRO NORTHWEST – Willoughby to North Chatswood - 33kV Underground Cabling Work – baseline EMF measurements

The \$8.3 billion Sydney Metro Northwest is the first stage of Sydney Metro - Australia's biggest public transport project. The Northwest Rapid Transit consortium (NRT) is delivering eight new railway stations, 23km of new track, 4,000 commuter parking spaces and Sydney's new generation of safe, reliable and fully automated metro trains. NRT will deliver this critical infrastructure and operate and maintain it for 15 years.

As part of Sydney Metro Northwest, NRT is required to install a new underground power supply for the operation of the project from Ausgrid's Willoughby subtransmission substation to Transport for NSW's North Chatswood traction substation.

NRT has completed the majority of trenching to install the new power supply along a 5.3km route from Artarmon, and is now preparing to lay the cable.

About electric and magnetic fields (EMF)

Transport for NSW undertook an environmental assessment in 2015 as part of the planning approval for the underground cabling works. As part of this process, technical experts at Aurecon were engaged to conduct a project-specific electric and magnetic field (EMF) assessment from the cabling and any associated effects.

The assessment concluded that:

- Electric fields associated with underground cables are fully shielded by the cable itself; and
- The typical magnetic field contribution associated with the cabling is predicted to be at the very low end of the range of levels normally encountered in everyday life.

A full copy of the assessment is available on the Sydney Metro website at:

https://www.sydneymetro.info/sites/default/files/combined_sydneytronorthwest_willougby33kV_RE_F_20-10-2015-accessible.pdf%3Fext%3D.pdfxxx

A fact sheet on EMF distributed along these streets in May 2017 is attached.

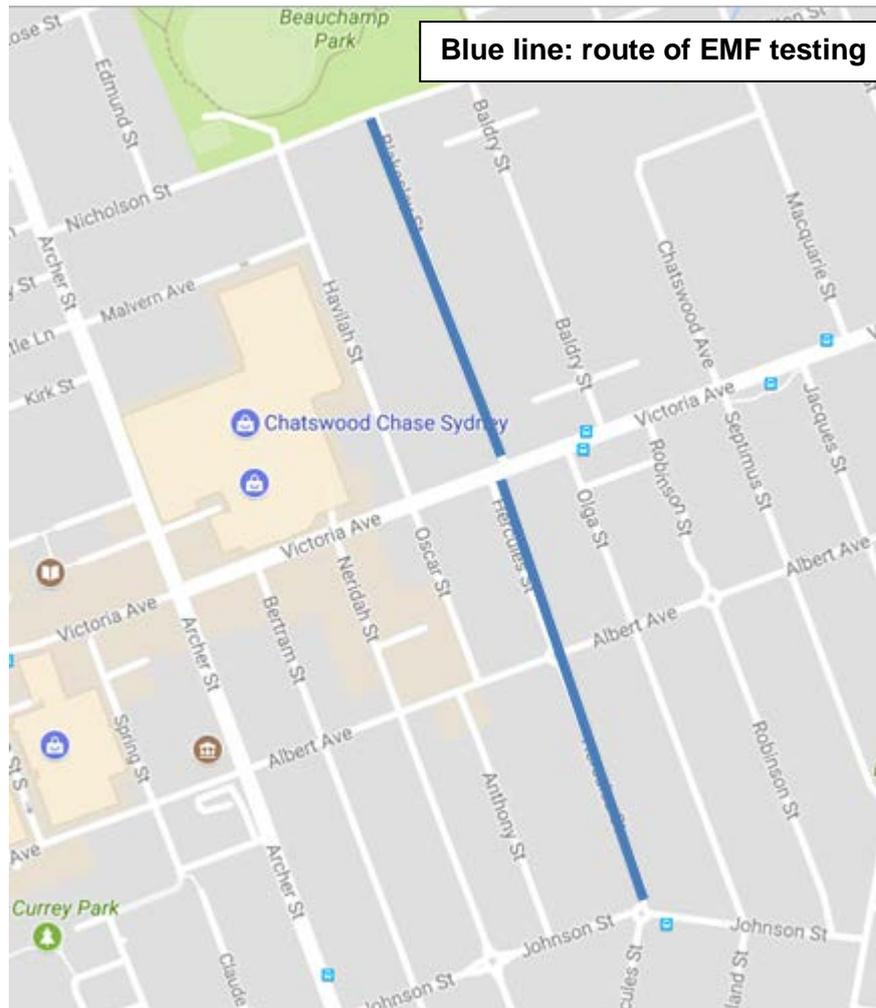
In June this year, Transport for NSW committed to take baseline EMF measurements along Hercules and Blakesley streets, both before and after the cables are energised.

An Aurecon engineer will undertake EMF measurements along Hercules and Blakesley streets, Chatswood on Monday 9 October between 4pm and 6pm. This time of day has been chosen to allow measurements to be undertaken during daylight hours whilst also coinciding with the evening peak period for future Sydney Metro operations.

The measurements will be conducted in the public road reserve and there is no requirement for access to private property. In order to obtain accurate results it is important the Aurecon engineer is allowed to conduct the testing without being distracted. Sydney Metro representatives will be present

and there will also be an opportunity to discuss the process with the Aurecon engineer at the conclusion of these baseline measurements.

A report summarising the baseline measurements will be made publicly available and will be updated once the follow up readings are taken after the cables are operational. **If you would like to check where we are on the day, please telephone Katherine Martin on (mb) 0478 407 155. If the measurements have to be postponed due to bad weather or other issues, residents will be notified of the revised timing as soon as possible.**



If you have questions about this process, please contact Katherine Martin at Transport for NSW on (mb) 0478 407 155. To register for email updates, obtain more information or to make a complaint, please phone **1800 019 989** (operating 24 hours a day, 7 days a week), email us at info@metronorthwest.com.au, or visit www.sydneymetro.info