

04 September 2018

**Re Official Information Request - mains and back-up power supply resilience reports**

I refer to your Official Information Request dated 06 August 2018 for the following information:

***“any resilience reports from the past 24 months looking into mains and back-up power supply to the hospitals...”***

The information you have requested does not exist in the form you have requested and reports, where there is reference to the topics of mains and back-up power supply, contain commercially sensitive information. Your substantive request is therefore refused under Section (2)(b)(ii) to protect the commercial position of the person who supplied the information.

However, the age of our buildings and equipment means we need to replace and upgrade essential infrastructure at our Grafton and Greenlane sites that will reach the end of its life in the next 10 years. This includes generators, switchboards and electrical substations, and other infrastructure that provides electricity to Auckland City Hospital, Starship Hospital, and Greenland Clinical Centre.

Auckland DHB has developed a major programme business case to address these infrastructure issues, known as the Facilities Infrastructure Remediation Programme (FIRP). The programme was recently approved by the Government, and \$305 million has been allocated for Tranche One of the FIRP. We have an active testing and maintenance plan in place to minimise risk to current patients.

Tranche One of FIRP focuses on strengthening our existing critical infrastructure so that other upgrades and improvements can follow. Projects in Tranche One include new generators, switchboards and electrical substations, along with lift upgrades, fire protection systems, air-handling, control systems, chilled and hot water systems, pumps, and ICT cabling.

Separate to FIRP, in April 2017 the Auckland DHB Board approved the construction of a new electrical substation at Auckland City Hospital. This construction is nearing completion and the new substation is expected to be commissioned before the end of 2018.

Details of the projects that have been approved and will be implemented over the next three years to improve the resilience of electrical power supply at our Grafton and Greenlane sites are below.

### **Auckland DHB Electrical Resilience Projects**

Underway prior to the FIRP:

- P6834 New ACH Main Substation – Construction of a new substation at the Grafton Road site entrance to receive a new Vector network cable to the site. This moves the main site network connection point from aged switchgear in an earthquake risk building (the ACH Boiler-house) to new switchgear in a purpose designed building. It also involves establishing a second point of supply from the Vector network giving the ACH site additional resilience. The new cable is sourced from the Vector Newmarket substation. The existing Vector cable from their Liverpool St substation will be retained as a reserve supply.

Part of Tranche One of the FIRP:

- P7146 New ACH Main Site Substation Stage 2 – Installation of two new 1.5MW diesel generators within the substation to increase the site standby power generation capacity. Additional generator connection points will also be established at this substation to allow four 1MW containerised “Plug-in” generators to be transported to the site and connected to add capacity in a longer term outage.
- P7260 New Substation H – Construction of a new HV substation in the ACH Support Building. New Sub-H will replace aged switchgear in the ACH Boiler-house and provide greater resilience for a number of buildings connected to this substation.
- P7261 New Substation R – Construction of a new HV substation in the ACH Support Building. New Sub-R will replace aged switchgear in the ACH Boiler-house which currently connects the existing site standby generators to the site essential power ring-main. These will now be connected at Sub-R.
- P7262 New Substations D, C – Construction of new HV substations to replace aged switchgear currently connecting Starship, the Mental Health facilities and the Oncology Linac Building to the site electrical ring main. As part of this project the under-rated HV cables in this section of the site ring main will also be upgraded.
- Greenlane Clinical Centre – Tranche One of FIRP also includes budget to address electrical resilience issues at the GCC site. The scope of these works is still being confirmed but is likely to include cable and switchgear upgrades as per the projects being undertaken at the ACH site.

Additional electrical upgrade and resilience works are planned as part of Tranche Two of the FIRP.

Please note that some information related to your question is covered in the Northern Region Long Term Investment Plan (LTIP) which is due for public release this month. We have decided to withhold this information under Section 18(d) of the Official Information Act as the LTIP will soon be publicly available.

I trust this information answers your questions.

You are entitled to seek a review of the response by the Ombudsman under section 28(3) of the Official Information Act. Information about how to make a complaint is available at [www.ombudsman.parliament.nz](http://www.ombudsman.parliament.nz) or freephone 0800 802 602.

Yours faithfully



Ailsa Claire, OBE  
**Chief Executive**

