

6th December 2007

Our Ref : RNSH_EA Clause 6 application 061207

Mr Sam Haddad
Director General
Department of Planning
GPO Box 39
SYDNEY NSW 2001

Dear Mr Haddad

Royal North Shore Hospital - 132/11kV Substation Development

In accordance with Section 75B of the *Environmental Planning and Assessment Act 1979* (the Act) and Clause 6 of State Environmental Planning Policy (Major Projects) 2005 (Major Projects SEPP), NSW Health seeks the Minister's Opinion that the 132/11kV Substation proposed to support the new Royal North Shore Hospital development is a Major Project for the purposes of Part 3A of the *Environmental Planning and Assessment Act 1979* (the Act). In addition, NSW Health seeks the Director General's Environmental Assessment Requirements in accordance with s75F of the Act, should the Minister's Opinion confirm the project as one to which Part 3A applies.

Project description

NSW Health proposes the establishment of a 132/11kV Substation on a 3000m² site within Lot 21 in DP 863329 within the Royal North Shore Hospital campus to meet the anticipated electrical demand of the redeveloped hospital precinct. The proposed Substation development will be constructed by Energy Australia and includes civil and electrical works necessary to establish and commission the substation. The substation is proposed to be located where the existing Breast Clinic and Gore Hill Laboratory are currently. An indicative site plan is attached.

The extent of the proposed substation works comprise:

- Construction of two new transformer bays.
- Construction of a substation building including, 11kV switchroom, battery rooms, control room, cable basement and staff amenities.
- Fencing, roadway and landscaping appropriate to the site.

The new substation building is required for operational purposes and is to be a new, architecturally designed structure that visually responds to the surrounding area. It will be a contemporary, masonry structure, reflecting materials and forms found within the hospital precinct.

The building is anticipated to be of similar construction and dimension to a substation currently being designed by Energy Australia for the Galston area and shown below. The substation building(s) are expected to be between 700 - 1000 m² in total floor area, over either one or two stories (plus cable basement), with overall building height not exceeding 9 to 12m above natural ground level.



Figure 1 Artists Impression of Similar Substation Development

The transformer enclosure structures are to be of a similar building type to existing structures utilised at typical EnergyAustralia substations. The exterior design of the structure will complement the new substation building.



Figure 2 Artists Sketch of typical transformer enclosure walls for a modern EnergyAustralia Substation

The architectural building treatments and landscaping will be developed in harmony with the existing surrounding hospital structures.

A 24 hour access for the substation will be via a driveway from Westbourne Street and will provide onsite parking for 2 vehicles.

Application of Part 3A

The proposed development is considered to be a Major Project under Part 3A of the Act on the basis that it falls within Clause 2 of Schedule 5 - Critical Infrastructure – Royal North Shore Development Site being development on Lot 21 in DP 863329.

View of Council and Other Agencies

At this stage no specific formal consultation has been undertaken for the substation.

Energy Australia will separately notify all relevant authorities under s45 of the *Electricity Supply Act 1995* in relation to the installation of cables and associated infrastructure necessary to connect the substation to the electrical grid.

I trust that the above information is sufficient to enable you to declare this project as a Major Project under Part 3A and to issue Director General's Requirements in accordance with Section 75F of the Act. . However, if you require any additional information, please contact Leoné McEntee on 9661 8019 or 0410 432 505. We would be happy to meet with your Department to discuss the proposal at any time.

Yours sincerely



Robert Rust
Chief Executive
Health Infrastructure

Health Infrastructure

ABN: "Pending"

Level 16, Tower A Zenith Centre, 821 Pacific Hwy, Chatswood NSW 2057

P O Box 1770, Chatswood NSW 2057

T: +61 2 8644 2000 F: +61 2 8644 2240

Website www.health.nsw.gov.au