



Trust Board Briefing Paper

From: Mr Owen Harkin
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To: Trust Board

Date: 24th June 2021

Subject: Outline Business Case to Upgrade Electrical
Infrastructure on Antrim Area Hospital Site

Action Required: For approval

Purpose:

To seek approval for the Outline Business Case (OBC) to upgrade the electrical infrastructure at Antrim Hospital. Following approval the OBC will be submitted to Department of Health, DoH.

The purpose of the OBC is to seek approval from the Department of Health (DoH) and describe the urgent requirement for capital expenditure to address resilience and capacity issues within the electrical infrastructure on the Antrim Area Hospital site.

Background:

Since Antrim area Hospital opened in 1994 there has been increasing demand for electrical power on the site, with extensive construction and refurbishment work over the past 10-15 years. The construction and refurbishment programme has placed additional stress on the existing Mechanical and Electrical Engineering Services Infrastructure

There is currently no ability to maintain existing high voltage and low voltage switchgear without a major interruption to the hospital. The hospital standby generators are considered end of life having suffered a number of failures and do not have capacity to provide a fully resilient standby power supply for the site. There is also no capacity within the existing infrastructure to facilitate any new capital development on site, in particular the schemes identified in the Draft 10 Year Capital Plan.

Options Appraisal:

The OBC includes a range of capital options, from a 'do minimum' option at £1.42m to option 5 at £6.24m. The preferred option, option 4, selected following an optional appraisal and assessment of the benefits and risks is £5.74m. It results in the demolition of the former SRCL, building and constructing a new portal frame structure to accommodate new standby diesel generators and high voltage and low voltage switchgear.

The revenue consequences for the preferred option 4 will decrease from £17,219 to £7,950 per year due to a reduction in unplanned maintenance however the 5 year cycle maintenance will result in an increase of £8,352 from £18,398 to £26,750 as a result of the larger switchgear.

Programme:

Following OBC approval and identification of funding it is currently estimated that the scheme will complete within 12 months and by March 2023.

Conclusion/Action Required:

Trust Board are asked to approve the OBC in order for it to be submitted to DoH.

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