Northern Health and Social Care Trust

| Trust Board Capital Business Case Briefing Paper | |
|---|---|
| **Reference Number:** | TB155/10/E |
| **Date of Meeting:** | 25th January 2024 |
| **Presenting Director:** | Paddy Graffin, Director of Infrastructure |
| **Subject:** | **Holywell hospital-Carrick Ward 4 (secure unit) ventilation** |
| **Purpose/Action Required:** | To provide an updated summary of the Capital Business Case for Trust Board approval for additional funding |
| **Background:** | This a Backlog Maintenance Capital Expenditure scheme with for the replacement of the ventilation system for Carrick 4 at Holywell Hospital, as the existing system is no longer working and cannot be economically repaired.<br><br>Due to inadequate ventilation provision within the ward there is an increased infection risk (ie mould growth and spores) to all persons availing of showering and washing facilities within this Ward. The existing ventilation system is over 20 years old and no longer meets/satisfies the minimum threshold (HTM 03-01).<br><br>When the existing ventilation systems were installed, an extract ventilation rate of 3 air changes per hour from the ward bays was required. The current Health Technical Memorandum guidance requires 6 air changes per hour for general ward areas.<br><br>As per HTM 03-01 “whenever an area of the healthcare estate is being refurbished, the condition and energy performance of its ventilation plant should be reviewed. The plant should be upgraded, refurbished or replaced as appropriate in order to take advantage of the most energy-efficient equipment and control methods available at the time.”<br><br>This scheme will see the replacement of the ventilation system to provide the correct air change rates as well as some necessary building and electrical works associated with the ventilation installation. |

| | |
|---|---|
| **Benefits:** | The benefits will be the installation of an HTM compliant ventilation system which will improve the environmental conditions for the patients and staff.<br><br>With the new ventilation system, there will be lowered Infection Control measures applied to mitigate against mould and spores. |
| **Total Capital Costs:** | Current allocation £424,000.00<br>Tender return £545,700.00<br>Fees £40,000.00<br>Miscellaneous £5,000.00<br>Shortfall -£166,700.00<br><br>£590,700 total funding now required, which results in a shortfall of £166,700. |
| **Affordability:** | Capital funding secured through the Trust original allocation (£424,000) from Estates MES (£174k) and Task and Finish (£250k). Additional funding has been secured via Task and Finish monies. |
| **Risks:** | Risk of the scheme not being carried out will be a ward that potentially cannot be occupied as the existing ventilation is not operational which in turns leads to increased mould and spores in shower rooms for patients and staff, so will lead to a poor patient environment. |
| **Conclusion:** | Additional funding has been secured which will allow appointment of the contractor to complete this much needed project. |