



**TRUST BOARD
SUBMISSION TEMPLATE**

MEETING	Trust Board	Ref No. 7.2
DIRECTOR	Maureen Edwards	Date 3 March 2022
<ul style="list-style-type: none"> BCH Battery Energy Storage System 		
Purpose	<p>To gain Trust Board approval for funding of works to install a Battery Energy Storage System at £1,500k that has been allocated Invest to Save Capital funding.</p> <ul style="list-style-type: none"> This submission is seeking the approval of Trust Board <p>The Trust's Environment & Sustainability (incl. Energy) Policy and Sustainable Development Strategy outlines the Trust's commitment to reduce energy consumption and increase the proportion of its energy from renewable sources.</p> <p>In addition the new Energy Management Strategy and Action Plan 2020 for the Northern Ireland Central Government details commitment to a target of 30% net energy consumption by 2030.</p> <p>With ever increasing energy costs this project will see the installation of an intelligent battery energy storage system which will integrate with the existing electrical infrastructure. This system will create a 'smart grid' which depicts the connection and intelligent monitoring and usage of stored supplies which enables load sharing to be carried out throughout the network as and when required.</p> <p>The benefits of the system are that energy can be stored and utilised in the event of a power failure or if required as a result of being integrated into the 'smart grid'. Should a power failure occur the batteries are designed to hold the site in normal operation for a maximum of 1 hour with no interruption to supply like the existing generator setup. This 1 hour period allows the standby generators to be initiated for a longer back-up period.</p> <p>Being a participant of this scheme ensures if required,</p>	

	our generation capacities (onsite generators, battery storage) are utilised and for this, the Trust will be adequately remunerated through availability payments.
Corporate Objective	<ul style="list-style-type: none"> • <i>Safety, Quality and Experience</i> • <i>Service Delivery</i> • <i>Resources</i>
Key areas for consideration	<ul style="list-style-type: none"> • <i>Issues /risks</i> Shutdown of existing supplies to facilitate integration – temporary supplies will be utilised Planning / Building Control – Potential delays • <i>Challenges</i> Location – Planning / Timeframe • <i>Internal/External engagement</i> Estates / Utility provider / PALS / Specialist Contractor • <i>Human rights / Equality</i> N/A
Recommendations	<ul style="list-style-type: none"> • In order to continue to develop, reduce energy costs, improve service delivery and increase resilience throughout one of our major acute sites (BCH), the option to install an intelligent Battery Energy Storage System is the preferred way forward.