

Capital Programme Review 2024-25 Project Appraisal Form

**COMMITTEE &
PROPOSAL
NUMBER**

Community & Wellbeing 2

PROJECT TITLE

Wellbeing centre - Solar PV panels with battery storage

ACCOUNTABLE OFFICER

Officer responsible for project planning and delivery of the scheme. Accountable officers are also responsible for post project review.

Ian Dyer

DETAILS OF PROJECT

<p>Project scope, what is included/excluded in the scheme</p>	<p>Criteria This scheme is consistent with the Council's Climate Change Action Plan, subject to affordability, supported by a robust business case and value for money can be demonstrated through a maximum payback period of 10 years.</p> <p>Scope of Works Supply and install a 37.8kWp PV system on pitched roof with Variole mounting system. Solar Panels are 90 number Solar 410w all black panels with a 1 x 30kW Solis 3phase inverter and Includes 1 x Tesla 3 phase battery with stacking kit, Scaffolding handrail & Access stem will be required for the works. Installation would take approx. 10 days to install.</p> <p>Financial Strategy Advisory Group comments 29th Sept 2023</p> <p>That the proposal could progress to the next stage of the capital programme. It was agreed the final proposal should confirm:</p> <p>The impact on the current boiler and whether a new boiler would be required;</p> <p>There is no impact on the new boilers as solar PV generates electricity for use by the normal day to day operation of the building.</p> <p>Why has there been a movement in the estimated cost from £45k earlier in the year to £60k now;</p> <p>The £45k cost was based on a Solar PV system only, without including a battery. The proposed scheme is attached which allows for solar PV installation and one tesla battery for storage. The initial feasibility looked at 3 batteries but after assessing the half hourly data it is likely the centre will use a high proportion of generated power in the day. However, there is still scope at high generation periods in the summer and at weekends when the building is not used as much to store up a small battery,</p>
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	<p>which will maximise the energy and carbon savings.</p> <p>How would the panels be protected, and vandalism be mitigated?</p> <p>We cannot protect the panels from vandalism, although the building opposite has panels and those have never been damaged.</p> <p>Tendering Please note that all projects over £25k must be tendered on the procurement portal in accordance with standing orders procedure and at this stage these are budget figures. By the time we get on site this process will have been running for over a year and cost of the project can increase with inflation.</p>
Project outcomes and benefits	<p>Criteria Minimum required to continue to deliver the services of Council (e.g., Minimum level of building maintenance and IT). Where the scheme is consistent with the Council's Climate Change Action Plan.</p> <p>Benefits Renewable energy, carbon reduction, in line with climate change action plan. 40 years minimal maintenance, battery storage so we can use any extra energy generated rather than giving back to the grid. Reduced revenue costs for electricity.</p>

FINANCIAL SUMMARY

		Cost of Project £	Comments and detail where necessary. Provide appendices where relevant. Examples of business cases spreadsheets can be found in the Finance Handbook
a	Estimated cost of purchase, works and/or equipment	60k	This includes a contingency sum of £9k
b	Consultancy or other fees	0	
c	Total Scheme Capital Costs (a+b)	60k	
d	External Funding Identified (e.g. s106, grants etc.) Please give details, including any unsuccessful funding enquiries you may have made.		Possible external funding available through grants
e	Net Costs to Council (c-d)	60k	
f	Internal Sources of Capital Funds Identified (e.g. repairs & renewals reserve etc.)	0	

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g	Capital Reserves Needed to Finance Proposal (e-f)	60k	
h	Annual Ongoing Revenue Additional Savings as a Direct Result of the Project	10k	Titan data figures project a £10,087 per annum and payback in 5.06 years
i	Annual Ongoing Revenue Additional Costs as a Direct Result of the Project		

Year	2024/25 £
Spend Profile of Scheme – please identify which year (s) the scheme spend will fall into	2024

REVENUE IMPACT

Can Revenue Implications be funded from the Committee Base Budget? – Please give details	N/A
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ENVIRONMENTAL IMPACT

Does the scheme meet any of the Council's Climate Change Action Plan targets, and if so, which ones?	<p>Yes, it meets the following action: Investigate the potential for the installation of PV panels and solar storage on Council operated assets and land. Implement where economically and technically viable.</p> <p>The energy generated by the solar array will cover up to half of the site's electricity demand, which will reduce annual carbon emissions by 7 tonnes of CO2, contributing towards achieving the Council's 2035 net zero target.</p>
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FOUR YEAR PLAN 2020/24

Is this investment linked to EEBC's Key Themes? If so, say which ones and evidence how. How does project fit within service objectives?	Work with partners to reduce our impact on the environment and move closer to becoming carbon neutral
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TIMESCALES

What is the proposed timetable for completion of the project? Give estimated start and finish dates for each stage of the project. These dates will be used as milestones during quarterly budget monitoring to assess performance of project delivery.

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		Target Start Date	Target Finish Date
1	Design & Planning	Jan/Feb 2024	
2	Further Approvals Needed	N/A	
3	Tendering (if necessary)	April/May 2024	
4	Project start date	June 2024	
5	Project Finish Date	June 2024	

BASELINE CRITERIA

All capital schemes are assessed against criteria set by the Capital Member Group annually. Proposals should meet at least one of these criteria. State which capital criteria(s) for assessing proposals are met and why. Leave blank any which are not met.

Spend to Save schemes should meet the following criteria:

- Payback of the amount capital invested within the project within 5 years (10 years for renewable energy projects).
- The return required on capital employed should be linked to the potential cost of borrowing (MRP) rather than potential loss of investment income.
- Risk of not achieving return on investment is low.
- Clear definition of financial cost/benefits of the scheme.

Members may consider schemes with longer paybacks on major spend to save projects going forward, especially those that incur borrowing.

Is there a guarantee of the scheme being fully externally funded and is it classed as a high priority? Please give details of funding streams, including any restrictions on the funding.	There is a possibility of grant funding
Is the Scheme a Spend to Save Project? Will investment improve service efficiency including cost savings or income generation? What is the payback in years?	This is a spend to save scheme

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Is it mandatory for the Council to provide the scheme? Is investment required to meet Health and Safety or other legislative requirements? If so state which requirements.	No
Is this project the minimum scheme required to continue to deliver the services of the Council? - Is investment required for the business continuity of the Council? If so, say how.	N/A

ASSET MANAGEMENT PLAN

Is investment identified in the Council's Asset Management Plan?	No
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PRIORITISATION

State which **one** of the four prioritisation categories are met and why.

1	Investment essential to meet statutory obligation.	
2	Investment Important to achieve Key Priorities.	This scheme is consistent with the Council's Climate Change Action Plan, subject to affordability, supported by a robust business case and value for money can be demonstrated through a maximum payback period of 10 years.
3	Investment important to secure service continuity and improvement.	
4	Investment will assist but is not required to meet one of the baseline criteria.	

RISKS ASSOCIATED WITH SCHEME

1	Outline the risks of delivering this project to timetable and budget. (Please do not include risks to the service or asset if project is not approved.)	No risks
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2	Are there any risks relating to the availability of resources internally to deliver this project	No
3	Consequences of not undertaking this project	If project does not proceed we will not continue to achieve targets in climate change action plan.
4	Alternative Solutions (Other solutions considered – cost and implications)	N/A

Is consultation required for this project? Please give details of the who with and when by.	no
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Ward(s) affected by the scheme	Town Ward
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Accountable Officer Responsible for Delivery of the Scheme

Name and Signature

Whole life revenue costs of capital project

Where savings or budget virements are being used to part fund a project, the relevant budget manager must sign the appraisal form.

Accountable Officers for the revenue implications of the project

Project Manager Name and Signature Date

Revenue Budget Holder Name and Signature Date

Service Accountant Name and Signature Date

Director Name and Signature Date