

REPORT TO: Climate and Environment
Advisory Committee

24th September
2019

LEAD OFFICER: Trevor Nicol

Progress Update – Green Energy Investment

Executive Summary

1. This report provides the Climate and Environment Advisory Committee with an update on South Cambridgeshire's District Council (SCDC) Green Energy Investment programme, including projects at the Waterbeach Depot and South Cambridgeshire Hall sites. The Green Energy Investment Officer is now in post and will lead on new investment opportunities.

Recommendations

2. The Climate and Environment Advisory Committee is invited to note and comment on the SCDC green energy investment progressed detailed within the report.

Reasons for Recommendations

3. The above recommendation is required to ensure that the Climate and Environment Advisory Committee is updated on progress towards SCDC green energy investment. It also provides an opportunity for the Advisory Committee to comment on progress.

Details

4. **Waterbeach Depot Solar Installation** – the commissioning of the project was successfully completed in March 2019. A 'lessons learned' activity has been completed and will be used to inform future green energy projects. The most up-to-date figures on energy generation, carbon savings and value of feed-in tariff payments will be shared with CEAC verbally.
5. **South Cambridgeshire Hall Site** – at the last CEAC it was reported that the High Level Assessment (HLA) outlined seven energy conservation measures; solar

carport, ground source heat pump, Building Energy Management System (BMES), Air Handling Unit fan upgrades, chiller modifications and enhancements, internal lighting upgrade to LED and EV chargers. Since the last CEAC, our Energy Project Delivery Contractor, Bouygues, has been preparing the Investment Grade Proposal (IGP) which will detail the measures and proposed savings with the aim of improving the estimates in the HLA. The IGP is scheduled for the end of September 2019.

6. **Footway Lighting High Level Assessment** – since the last CEAC, the project team has provided operational and current stock data to our energy project delivery contractor, Bouygues, to inform the High Level Assessment (HLA). The HLA is scheduled to be completed for the end of September 2019. The scope includes the transition to LED lighting and exploring feasibility for integrated SMART City Measures.
7. **Storage Battery Schemes** – a proposal for a grid-connected 50MW Battery Energy Storage System has been presented to SCDC. SCDC procured consultants to complete a financial viability assessment. The assessment presents an analysis of the battery storage sector market alongside modelling of the proposed scheme financial model, taking into consideration the minimum yield thresholds set out within the Council's Investment Strategy Stream 2. A member briefing has been drafted and officer recommendations will go to the Investment Select Team on 24 September and the Investment Governing Board on 2 October.
8. **Waterbeach Depot Phase 2** – following on from the solar photovoltaic installation at the Waterbeach Depot, there is now a proposal to explore further opportunities for energy efficiency, generation and storage measures on site. There are several strands of activity and the Green Energy Investment Officer is working to crystallise each strand and liaise with key stakeholders including the site landowner and colleagues within the Shared Waste Service and City Council.
9. **Energy Project Delivery Contract procurement** – the existing framework for procuring energy project delivery services, known as Re:fit 3 administered by Local Partnerships, will close for new projects on 20 April 2020. The framework is currently accessed via Cambridgeshire County Council, as the Project Lead for the 'Energy Project Delivery Contract' with 'Bouygues Energies and Services' the chosen delivery contractor. Cambridgeshire County Council are exploring options to put in place a new contract. SCDC with Cambridgeshire County Council and other local authority partners will explore different procurement options including conducting our own OJEU procurement as a Project Team, led by Cambridgeshire County Council. A key aspect of the chosen procurement route will be ensuring the provider guarantees defined energy savings.
10. **Other opportunities** – the Green Energy Investment Officer is making the necessary connections with local public sector partners in order to understand strategic energy projects and opportunities for SCDC involvement. Officers will look for key investment opportunities and, where possible, for integrated projects involving renewable energy generation and energy storage. Each investment

opportunity will be assessed against SCDC's Investment Strategy Stream 2 Green Investments minimum thresholds and criteria matrix.

Implications

11. There are no significant implications.

Consultation responses

12. The 'Green to Our Core' Cluster Board Members and associated officers have been consulted:

Trevor Nicoll

Jane Green

Gemma Barron

David Ousby

Phil Bird

Kevin Ledger

Helen Taylor

Siobhan Mellon

Effect on Council Priority Areas

Being green to our core

13. The projects included in this progress report demonstrate how the Council is showing leadership in 'being green to our core'. The projects will enable the Council to move towards zero carbon through energy efficiency and energy generation.

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