

Directorate: COMMUNITIES & THE ENVIRONMENT

Proposal : ENERGY INCLUDING SOLAR PHASE 1

PROPOSAL DETAILS

To develop a solar farm to provide most of the Salt Ayre Leisure Centre's electricity.

The project requires 6 acres of land to build a 1-megawatt (MW) farm with a 1MW battery. The electricity produced from this would be fed directly to Salt Ayre Leisure Centre (SALC) via a direct wire. 1MW (including a battery) would mean that SALC's electricity requirements would be met by the solar farm, except for in the darkest months.

Following achievement of land certainty, the installation would also require a planning application.

The project is combined with the purchase of an energy management system to reduce overall energy usage across the Council.

REVENUE REQUIREMENTS

	2020/21 £	2021/22 £	2022/23 £	2023/24 £
GENERAL FUND				
MRP on Solar Farm	35,800	35,800	35,800	35,800
Electricity savings at Salt Ayre	0	(122,920)	(122,920)	(122,920)
5% Council wide energy savings	0	(7,065)	(7,255)	(7,400)
Total	35,800	(94,185)	(94,375)	(94,520)

CAPITAL REQUIREMENTS

	2020/21 £	2021/22 £	2022/23 £	2023/24 £
1 MW Solar Farm	715,000	0	0	0
Total	715,000	0	0	0

APPLICATION OF RESERVES

	RESERVE	2020/21 £	2021/22 £	2022/23 £	2023/24 £
Energy Management Hardware and Software	TBC	50,000	0	0	0
Total		50,000	0	0	0

COUNCIL PRIORITIES	
A Sustainable District	The project is environmentally sustainable. It will a) generate renewable energy b) reduce the amount of energy used
An Inclusive and Prosperous Local Economy	The project will show that the Council is setting an example of contributing to the resilience of the local economy by generating renewable energy.
Healthy & Happy Communities	This project will reduce CO2 emissions and show a positive lead in terms of dealing with the climate change emergency. Failing to deal with this will have far reaching consequences for our communities.
A Co-operative Kind and Responsible Council	Tackling the climate change emergency shows the Council to be responsible

CROSS CUTTING THEMES	
Climate Emergency	This project has been developed to help address the climate emergency
Community Wealth Building	Renewable energy will be generated locally and power a local community facility.
Community Engagement	The climate change emergency was declared as a result of engagement with the community.

PERFORMANCE OUTCOMES		
Outcome	Performance Measure	Target
Reduced CO2 emissions	Amount of renewable energy produced	260 tonnes / year
Reduced energy bills	Budget	£130,000 / year