

**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 £
<b>GENERAL FUND</b>				
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)
<b>Total</b>	<b>35,800</b>	<b>(94,185)</b>	<b>(94,375)</b>	<b>(94,520)</b>

### CAPITAL REQUIREMENTS

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

### APPLICATION OF RESERVES

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

<b>COUNCIL PRIORITIES</b>	
<b>A Sustainable District</b>	The project is environmentally sustainable. It will a) generate renewable energy b) reduce the amount of energy used
<b>An Inclusive and Prosperous Local Economy</b>	The project will show that the Council is setting an example of contributing to the resilience of the local economy by generating renewable energy.
<b>Healthy &amp; Happy Communities</b>	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.
<b>A Co-operative Kind and Responsible Council</b>	Tackling the climate change emergency shows the Council to be responsible

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

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