

<b>Energy Project Manager:</b>	<b>Date:</b>
Peter Gudde	1 June 2020

<b>Project Name:</b>	<b>Project Reference number:</b>
Suffolk Energy Opportunities Assessment	MAN183

<b>Project description (brief overview):</b>
Suffolk County Council has declared a Climate Emergency and set a net zero target for its operations and estate by 2030. To help deliver this commitment, the Council wanted to explore energy-generation opportunities across farmland in the county and requested support from the Energy Hub to undertake this review.

<b>What does the project aim to achieve:</b>
<ul style="list-style-type: none"> <li>• Revenue generation for the Council / communities</li> <li>• Carbon savings</li> <li>• Improved network resilience</li> <li>• To establish a model for future projects.</li> </ul>

<b>What contribution has the Greater South East Energy Hub made to the project:</b>
<p>The Energy Hub designed an analytical process using a selection of publicly available mapping and datasets. This provided the Council with an objective way to identify and compare farmland sites for large-scale solar PV, wind and biomass production (short rotation coppice).</p> <p>The data encompassed physical constraints (including accessibility and topography), flood risk, statutory national and local ecological and historical designations, and the capacity of the local power network to connect distributed generation. In addition, a search for potential private-wire power offtakers was conducted by the Energy Hub.</p> <p>Having used the Energy Hub process to undertake an analysis, the Council has now progressed to carrying out detailed feasibility studies for the most suitable sites.</p>

<b>Capital Cost (£):</b>	<b>Kilowatt peak (kWp)</b>	<b>Partners (e.g. local authority):</b>	<b>Timeline (e.g. key milestones):</b>
£15-20m - subject to viability and access to capital, with potential community investment at some sites	Circa 30MWp	Yet to be identified	Detailed feasibility by the end of 2020