

Renewable Energy Team (RET) – Review of Activities / Summary of Achievements – 2014

2014 has seen further progress across all areas as RET prepares Guernsey for local macro renewable energy (MRE). Where possible work streams have been completed but the medium / long term nature of MRE means that much of the work is completed over more than one year.

Summary of 2014 tasks and achievements – measured against key areas in RET’s 2014 published strategy (short version)

2014 Strategic Goals	Summary of 2014 progress
Support the enactment of legislation and access to the seabed (including extending access to a 12 mile limit) that will permit macro renewable development in Guernsey waters – by end of 2015.	Progressed in 2014 and on track for 2015 completion. Secondary legislation final draft completed and for public consultation in Q4 2014. The objective of securing sea bed rights for MRE development and extending territorial sea from 3 to 12 miles was further progressed through a joint project with ERG, St James Chambers and Jersey. Independent legal advice (jointly with ERG) associated with the risks of acquiring these rights has been requested and is due in Q4 2014.
Seek to assist in zoning suitable areas for marine renewable with initial zoning by end 2014 – after which further data is likely to be required.	The first stage of a marine atlas was completed in 2014 with an audit of all available data completed and mapped – a follow up project is underway looking at making the atlas a States wide facility.
Develop the best mechanisms for Guernsey with regards to leasing of the seabed to a developer (which may include GEL) looking at potential returns, cost, risk and opportunities of supply of electricity to the island or for export – by end of 2015.	In early stages with some economic understanding in relation to offshore wind impact. Further consideration required in 2015.
Have a comprehensive understanding of the renewable resources that Guernsey possesses and their potential regarding wider socio-economic value.	The wind resource continues to be monitored by RET owned equipment and modelled with other data. An external report was commissioned which verified RET’s economic modeling for wind showing the potential energy output and effect on electricity prices and the next steps to progress offshore wind. PV potential and possible SoG projects assessed in 2014 and being progressed. Restricted access to tidal data is in process of being lifted – discussions with Universities for further analysis. RET are aware of and in communication with the Environment Department over plans for a wave rider buoy, information from which could be useful for wave power analysis in the future.
Understand the marine environment and renewable resources to a sufficient level (by 2015)so that:	Seabed surveying work with Sea Fisheries and private company is still under discussion – the original intention was to progress this in 2014 but for reasons beyond RET’s and Sea Fisheries’ control it has not

<ul style="list-style-type: none"> • data is useful to a developer and; • development can take place within Guernsey waters (post 2015). 	<p>happened.</p> <p>Environmental baseline data is potentially very cost intensive, therefore RET have reassessed the aim to ensure that Guernsey is in a suitable position to make high level decisions and collect data when opportunities arise at reasonable cost.</p> <p>Resources are being assessed as outlined above.</p>
<p>Work with the other Channel Islands and wider international governments to progress renewables.</p>	<p>Channel Island Marine Renewable Energy Group (CIMREG), being a CI wide group at political and officer level (now including the IOM), to progress MRE continued with Guernsey RET members key in driving CIMREG forward with meetings held in Guernsey and chaired by C&E's Policy Advisor.</p> <p>CIMREG signed an MOU and Framework for Cooperation with Regen SW's SWMEP and France's ONEM respectively – the latter was signed at a large scale conference in Cherbourg in April. Continued liaison under these agreements gives RET additional insight into the industry and maintains the CI's as an area of interest going forward.</p> <p>Discussions have continued with the UK (at Minister and officer level) and France in terms of accessing their energy markets and subsidies / support mechanisms with continued active involvement at BIC. UK's DECC issued a policy paper "CfDs for no-UK renewable electricity projects" which clarified the timing of potential support from the UK due to be considered from 2018.</p> <p>RET continues to work very closely with all CIs and the Board of GEL with members routinely attending RET meetings and assisting with its work.</p>
<p>Look to ensure that the public and stakeholders are engaged and well informed of where Guernsey is and why with regards to renewables – continuous.</p>	<p>RET continued to engage with the public to ensure informed and balanced debate by publishing findings and reports on its website as well as through the media (TV and radio) and public presentations.</p> <p>RET Officers continued to engage with EPG presenting at and keeping EPG informed.</p> <p>Described as "groundbreaking" the RET co-sponsored stakeholder engagement PhD is in its third and final year. It is focused on engaging with the local population and stakeholders regarding renewable energy with study 2 of 3 completed by the end of 2014 and the early results being published. Planning for study 3 of 3 is well underway and should be undertaken in early 2015.</p> <p>It has been noticed in 2014 that a number of people with private agendas have been courting the media and others within Guernsey. As such it is important that over the course of the next year RET are visible in outlining the reality of renewables and the work that is underway.</p>
<p>Look to assist in facilitating the development of a solar array at a States' site such that the electricity will be a saving for the SoG. – 2015</p>	<p>Potential for macro photovoltaic on Guernsey has been further assessed with potential projects on States properties still being progressed with EPG supportive of outline proposal and more detailed business cases are being considered.</p>
<p>Explore the potential for a renewables research/development base.</p>	<p>Continued engagement with Universities, but this is now recognised as a long term project.</p>

The following were identified as the “top3” priority objectives for 2014 within main strategy document	
Understand whether Guernsey is a suitable test site for tidal (and or wave)	In progress. Position being finalised. Paper due to go to RET in Q4 2014.
Commercial PV – project completed / near approval	Ongoing. A small number of SoG projects identified with economic case made and are in process of being further developed. Airport site still under investigation but issues with permissions re navigational safety.
Secondary legislation(finalised) / licensing/ territorial seas and seabed rights (progressed) (top 3 priority)	Secondary legislation final internal draft has been received and has been released for public consultation. Significant progress in seabed, and territorial seas, access - with further legal advice taken, liaison with Jersey, on their progress and potential to approach together, and HMP – all working with ERG.
The following were identified as other areas to focus on in 2014 main strategy document	
Continued analysis of marine energy resources	Continued monitoring of wind resource. Exploring opportunity for cost effective sea bed surveying. Liaison with Environment over wave rider buoy.
Continue to forge links, cooperate and liaise with stakeholders in CI, Universities	Signed during year: MOU with SWMEP, FFC with ONEM, France. CIMREG met quarterly. University work continued with UK and French Universities. Discussions with UK as outlined above.
Continued Environmental baseline data collection	Minimal. Continued monitoring of wind resource. Collation of pre-collected data (both within and without the States where available) through Marine Atlas work.

Note that the RET strategic plan for 2015 and beyond has been agreed by RET, and is due for final sign off at the next RET meeting, and is also with the board for endorsement at this meeting. Through the work undertaken in 2014 in particular, there has been a clearer focus for RET on a couple of tangible projects.

Proposed 2015 priorities – brief summary (detail available in updated strategy)

2015 will see RET make further progress in all the key areas identified in the latest strategy document with particular focus on the key areas:

1. **Undertake the next stage of research into offshore wind to take Guernsey closer to making a final decision**
2. **Commercial PV** – project completed / near approval
3. **Secondary legislation (finalised) / licensing / territorial seas and seabed rights (progressed)**
4. **Substantial progress in Public consultation** – conclusion of Public Perception PhD