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## CUMBRIA LEP TENDER SPECIFICATION FOR THE PROVISION OF A STUDY OF DE-CENTRALISED ENERGY SYSTEMS POTENTIAL

### 1. INSTRUCTIONS FOR TENDERING

#### Introduction

**Services Required:** The **Cumbria Local Enterprise Partnership (CLEP)** in conjunction with **North-West Net Zero Hub** is seeking the services of a consultancy with relevant expertise to provide a techno-economic feasibility study of the suitability and potential for a range of renewable technologies. The study will identify locations and sites appropriate for these technologies so that the LEP can better inform industry, landowners, developers, local authorities, SME's, community hubs and the general public.

The study will assess the following technologies:

Onshore Wind   Bio Energy   Hydro   Heat Networks/Deep Geothermal   Tidal and  
Wave Power   Solar   Emerging Technologies

Funding for the project is provided by the North-West Net Zero Hub, which is a government programme to support regions deliver on Net Zero. The output report will be endorsed by the CLEP Clean Energy Panel, posted on our website and will be briefed to Cumberland and Westmorland & Furness Local Authorities, The Lake District Authority and local government officers from across the North-West and Borderlands regions.



Supported with funding from **Department of Energy Security and Net Zero** and **North West Net Zero Hub**  
The Hub programme supports public engagement through **North West Route to Net Zero** ([LINK](#)).

North-West Net Zero Hub supports organisations across the North-West of England to identify, develop and implement energy projects. The programme is supported by central government and is overseen by the five local enterprise partnerships in the North-West of England. Aligned with the government's net zero strategy and an ongoing transformation of the whole energy system, local energy projects begin at the scale of building estates and business parks and have impacts on neighbourhoods and utilities networks.

North-West Net Zero Hub is one of five net zero hubs that have been established across England. Each hub has a self-determined role suited to the region in which it operates, so that activities reflect local contexts. All net zero hubs have the overarching aims of bringing investment into energy infrastructure projects and making strategic linkages between local institutions.



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### **Submission Date**

Tender submissions must be returned by 5pm on **Friday 4<sup>th</sup> August 2023**. CLEP will then undertake an assessment to select the Tenderer whose tender most appropriately matches the desired outcomes listed in this brief, in terms of programme, methodology, experience and price.

### **Tender Queries**

Queries should be raised with Ian Wheeler, CLEP Head of Sectors. [ian.wheeler@thecumbrialep.co.uk](mailto:ian.wheeler@thecumbrialep.co.uk)

### **Interviews**

The organisation with the highest scores following tender submission may be invited to a clarification interview during week commencing Monday 7th August 2023, should this prove necessary.

### **Tender Award**

We aim to inform the successful consultant of our intent to award by Friday 11th August 2023, at latest.

## **2. BACKGROUND**

### **The LEP**

The Cumbria LEP (CLEP) is the government-endorsed body with the strategic responsibility for economic growth and productivity in Cumbria. It currently has responsibility for delivering on the roles and responsibilities outlined within government's "Strengthened Local Enterprise Partnerships." However, this role is changing as a result of the LEP Review, which sees all LEPs on an integration path with local democratic institutions by 2030. Cumbria has been identified as a 'priority place' in the Levelling Up White Paper and as such it is anticipated that this integration will take place earlier in the timeline, in comparison with other geographies.

CLEP delivers a range of services for Government, with the bulk of its income coming from delivering these programmes, which are now all revenue based.



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## About Cumbria

The CLEP geography is co-terminous with the County boundary of Cumbria. It is a strategically important geography, with assets that are of consequence to the nation. Our economy generates £12 billion and we are home to 500,000 people. Across England's LEP areas we stand out in terms of our large geographical size (at 6,800 sq. miles we are the 8<sup>th</sup> largest LEP area) combined with a relatively low population (at around 500,000 the third smallest LEP area population). This means that Cumbria has by far the lowest population density and economic output density (GVA per hectare) of any LEP area. Cumbria therefore faces particular challenges from the degree to which our businesses are spread out over a large area in terms of delivery of services, linkages between businesses and travel to work and learn distances.

Cumbria's economy is:

- one of the most **concentrated areas of manufacturing in the UK**: over 21% of our GVA and 16% of our employment comes from manufacturing. We are home to world class manufacturing firms that export globally and are at the forefront of innovation.
- a major player in the UK's **energy sector**: a world recognised centre for **nuclear expertise**, especially in de-commissioning technologies and innovation; in integration development of defence nuclear power transmission in submarines; is home to significant windfarm generation capacity and home to a strong cluster of firms in the offshore sub-sea sector; a centre for the oil and gas sector; and a location of opportunities and expertise in several other forms of energy including fusion through our application to site UKAEA's Spherical Tokamak for Energy Production (STEP) and Carbon Capture Underground Storage and Hydrogen through re-purposing existing energy assets.
- **globally recognised for its beauty and natural capital** – with over 45 million visits each year and the world-renowned Lake District, the country's most visited National Park with the greatest level of tourism activity and now a World Heritage Site. The Lake District along with parts of the Yorkshire Dales National Park, Hadrian's Wall World Heritage Site and three Areas of Outstanding Natural Beauty mean that we have the most extensive coverage of protected landscapes in England.
- a market-leader in the **practical application of natural capital** to the sustainable management of land and agriculture, building on the opportunities from World Heritage Status for both the Lake District and Hadrian's Wall and a centre for innovative **value-added production** from land-based industries.



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### **3. STUDY REQUIREMENTS**

**Study Aims:** To produce an informed report on the potential for the renewable technologies named in the brief that can be used by local authorities, developers and communities to pursue clean energy generation opportunities in Cumbria

This report should build upon previous work undertaken to develop national energy scenarios and a regional energy masterplan.

#### **Scope of Study:**

##### **Baseline**

The consultant should make themselves familiar with existing research that sets the context for the renewables study. A set of references that may help are included in Appendix 1.

CLEP produced a Clean Energy Strategy in 2022 that highlighted the potential of a wide range of renewable technologies. This proposed study addresses an action in the strategy to further explore wider renewables. Action plans are already in place for the large-scale renewables of Offshore Wind, Nuclear, Hydrogen and CCUS.

As part of the Baseline review, CLEP will provide an up-to-date overview of our level of understanding against each of the technology areas.

Limited but sufficient project time should be devoted to restating the key findings of this work as a way to identify the opportunity for action and the constraints that will help narrow down the focus to viable and investable sites and schemes.

##### **Renewables Assessment**

Taking each technology in turn, the study should:

- Establish the current status of the technology in the UK in terms of government policy and deployment to date. Identify areas of best practice.
- Summarise current level of deployment in Cumbria (If any) and then estimate unconstrained renewable generation potential within Cumbria.
- Identify relevant constraints on the technology (eg Planning, Grid, Public Acceptance) and potential actions to address. CLEP can arrange interface meetings with key stakeholders such as Electricity North-West and Local Authority Planning.
- Highlight at least 3 areas of strongest potential across the technologies and for each;
- Identify sites owned by public, private, utilities, major landowners, national parks
- Recommend a development approach that could deliver a viable scheme.
- Produce a strategic outline investment case for these sites.



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The output of the study should be a report that addresses the above scope with a set of actions that can be incorporated into the overall CLEP Clean Energy Strategy Action Plan. This report and action plan will be endorsed by the CLEP Clean Energy Panel and the consultant would need to deliver a presentation to the Panel and to the NW Net Zero Hub Programme Board. (Both via MS Teams.) The final report would be posted on CLEP website.

At the close of the project the researcher should supply the background research evidence including spreadsheets and GIS maps.

#### **4. SUBMISSION**

The following information is required from tendering organisations:

##### **A. Experience**

Details of the skills and experience of the team member(s) providing the services requested, including:

- Evidence of experience in delivering this service for other organisations;
- A CV containing a synopsis of their skills and experience relevant to providing the service; (maximum three sides A4);
- The names and organisations of two referees for whom similar activity has been conducted.

##### **B. Approach**

Details of the proposed approach for successfully delivering the role, in a timely manner.

##### **C. Price**

The assessment will be made upon the proposed cost for delivering the function. It is proposed that the payment of fees would be monthly, in arrears.

##### **D. Duration.**

The contract will run from 14<sup>th</sup> August 2023 to 14<sup>th</sup> November 2023

#### **4. EVALUATION OF SUBMISSION**

CLEP will undertake to select the organisation whose tender most appropriately matches the desired outcomes listed in the brief, in terms of price, experience and approach.

The assessment of this submission will be based on 70% quality and 30% price, which will be based on the day rate provided, and the following evaluation table will be used to score submissions.



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CRITERIA	SCORE (1-10)	WEIGHTING	TOTAL (score x weighting)
Quality – Experience		40	
Quality – Approach		30	
Price		30	Pro-rata (max score 300)*
<b>TOTAL</b>			<b>Max score 1000</b>

\* Lowest price will be awarded a score of 300. All other prices will be given a pro- rata score: e.g. (lowest price/submitted price)\*300.

The highest scoring submission will be the one securing the highest total score against all criteria. The evidence matrix below will be used to ensure a consistent approach when awarding a score of 0 to 10 against each of the criteria. A score of 2 (weak) or below in any category will automatically disqualify that submission.

Scores	Assessment	Interpretation
10	Excellent	The approach has been tailored specifically to suit the contract's objectives and the requirements of the specification, uses innovative approaches to deal comprehensively with the main management and service risks, and is likely to maximise performance and deliver continuous improvement.
8	Good	The approach demonstrates a good understanding of the contract's objectives and the requirements of the specification. It deals fully with the main management and service risks and provides for delivering continuous improvement over the life of the contract.
5	Acceptable	The approach demonstrates an adequate understanding of the contract's objectives and the requirements of the specification. It covers the main management and service risks to an acceptable standard.
2	Weak	The approach meets the specification but fails to demonstrate an adequate understanding of the requirements of the specification.
0	Fail	The approach does not meet the requirements of the specification.

CLEP reserves the right to cancel the tender process at any point. CLEP is not liable for any costs resulting from any cancellation of this tender process or for any other costs incurred by those tendering for this contract.

Submissions should be made by email to [info@thecumbrialep.co.uk](mailto:info@thecumbrialep.co.uk) quoting De-Centralised Energy System in subject field.



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## **Appendix 1 – Useful Links**

### **1. UK Policy Links**

- Net Zero Strategy: Build Back Greener <https://www.gov.uk/government/publications/net-zero-strategy>
- • Energy white paper: Powering our net zero future  
<https://www.gov.uk/government/publications/energy-white-paper-powering-our-net-zero-future>
- • Powering up Britain <https://www.gov.uk/government/publications/powering-up-britain>
- • British energy security strategy <https://www.gov.uk/government/publications/british-energy-security-strategy/british-energy-security-strategy>

### **2. Cumbria Clean Energy Strategy**

- [https://www.thecumbrialep.co.uk/resources/uploads/pages/net\\_zero/2208-CumbriaCleanEnergyStrategy.pdf](https://www.thecumbrialep.co.uk/resources/uploads/pages/net_zero/2208-CumbriaCleanEnergyStrategy.pdf)

### **3. Borderlands Energy Masterplan**

- [Borderlands Energy Masterplan](#)