

Request for Tender for Consultants to develop an Feasibility Study for an Anaerobic Digester for the Dingle Sustainable Energy Community

1. Tender Process

Tenders are invited, on behalf of Molteic (Dingle Hub), to undertake a feasibility study for an Anaerobic Digester for the Dingle Sustainable Energy Community.

The closing date for the submission of an expression of interest is **Monday, 25 February 2018 (at 16:00hrs)** and submissions should be sent to the following:

'Tenders for Feasibility Study for Anaerobic Digester', Molteic (Dingle Hub), Cooleen Business Park, Dingle, Co. Kerry and a copy by email to tenders@dinglehub.com

2. Documents associated with the Request for Tender

- a. *Award criteria and scoring to be utilised in the assessment of the tenders (Appendix I)*
- b. *Feasibility Study for an Anaerobic Digester on the Dingle Peninsula for the Dingle Sustainable Energy Community (SEC) - Scope of Work (Appendix II)*

Any queries should also be addressed to tenders@dinglehub.com

GENERAL CONDITIONS

1. The lowest cost proposal received is not a guarantee of award of contract.
2. A Current Tax Clearance Certificate must be provided by the selected proposer.
3. Payment for services covered by the proposed contract will be on foot of appropriate invoices, which will be based on agreed deliverables. Invoicing arrangements will be agreed with the successful proposer, following the award of contract.
4. Payments to the selected proposers will be processed on receipt of funds from Togra LECO (Local Energy Communities) Údarás na Gaeltachta and Gas Networks Ireland.
5. The proposer will be subject to the same reporting; accounting, administrative and other requirements imposed on Mol Teic by Údarás na Gaeltachta and Gas Networks Ireland and will be required to comply with these to the fullest extent.
6. All costs must be quoted in Euro, exclusive of VAT. The total estimated costs should be clearly stated and must be a single fixed figure quotation.
7. Suppliers/providers will be required to have adequate insurance in place and to indemnify Mol Teic against all risks.
8. The contracting organisation will not be bound to accept any of the proposals received or may decide to enter into negotiations or discussions with one or more of the invited potential providers.

9. Conflicts-of-Interest. Any conflicts-of-interest involving a tenderer must be fully disclosed to Mol Teic. Failure to disclose a conflict-of-interest may disqualify a bidder or invalidate an award of contract, depending on when the conflict-of-interest comes to light.
10. Right of Cancellation. The award of a tender does not give rise to any enforceable rights by the successful tenderer. Mol Teic may cancel the tender process at any time, prior to a contract being entered into.
11. No Additional Fees or Costs. No additional fees or costs, other than those originally quoted by the firm for the goods and services when tendering for the project, will be paid and any additional fees or costs will be borne by the consultants themselves.
12. Mol Teic will not be liable in respect of any costs incurred by consultants in the preparation of tenders, or any associated work effort.

Appendix I

Award Criteria and Scoring to be utilised in the assessment of the tenders

1. ASSESSMENT OF PROPOSALS (Tenders will be assessed under the following criteria)

CRITERION	MAX SCORE AVAILABLE	%
1. KEY PROJECT PERSONNEL, QUALIFICATIONS & EXPERIENCE OF PROPOSED CONSULTANTS Demonstrated range and depth of previous relevant experience and quality and level of resources to be applied to the project (Tenderers must score a minimum of 170 in this criterion in order to be eligible for contract award);	300	30%
2. PROGRAMME CONTENT AND METHODOLOGY Demonstrated understanding of requirements; quality of tender in response to requirements; proposed approach, including creative/innovative interpretation of the requirements, proposed management, deliverables and measures for ensuring quality (Tenderers must score a minimum of 240 in this category in order to be eligible for contract award.);	300	30%
CERTIFICATION (WHERE APPLICABLE) & CURRENT TAX CERT	100	10%
EXPERIENCE WORKING WITH COMMUNITY GROUPS INCLUDING GAELTACHT GROUPS	100	10%
PROPOSED COSTS This should include the total costs (with and without VAT) Scores based on Procurement Guidelines formula of: $\text{Max Score} * \text{Lowest Price} / \text{Price in Question.}$	200	20%
TOTAL MAXIMUM SCORE AVAILABLE	1,000	100%

The tender will be awarded to the most economically advantageous tender, taking account of criteria that reflect qualitative, technical and sustainable aspects of the tender submission, as well as price, when reaching an award decision.

Appendix II

Feasibility Study for an Anaerobic Digester on the Dingle Peninsula

for the

Dingle Sustainable Energy Community (SEC)

Scope of Work

The proposed project aims to deliver a comprehensive *feasibility study on the development of anaerobic digestion on the Dingle Peninsula* and to inform a strategic plan to support its deployment. The Dingle Peninsula, with its strong agricultural economy and food sector (including a vibrant tourism and restaurant sector), appears to be well positioned to develop anaerobic digestion, as part its transition towards a low-carbon, circular economy.

The deployment of biogas on the Peninsula has the potential to ensure competitive and affordable (renewable) energy for consumers; to create new opportunities for growth and jobs; and to provide greater security of energy supply. The remote location of Dingle, and the significant distance to the nearest connection point to the gas network (Listowel, 80 km away), pose interesting challenges in terms of technological pathways and business models, but this issue can be addressed as part of the study. There are also some benefits from the introduction of anaerobic digestion that would enhance the environmental quality of the Peninsula, particularly in respect of water and air, in addition to decreasing emissions and increasing energy independence.

The proposed study will address the challenges and opportunities outlined above, through a holistic, integrated approach, considering the whole value chain of anaerobic digestion on the Peninsula and its contribution to the development of a local circular bio-economy. The team will be expected to leverage state-of-the-art knowledge in science, technology and business models, and to apply co-creation principles involving local stakeholders, to identify and test feasible pathways for the deployment of anaerobic digestion on the Dingle Peninsula.

The general objective of the proposed study is to harness biomass resources within the Dingle Peninsula to contribute to the transition to sustainable energy and to support the socio-economic development of the Dingle Peninsula, by becoming a leader in the transition to a rural bio-economy in Ireland. The specific scope of work for the proposed study is to:

- a) Conduct a quantitative and qualitative assessment of the biomass feedstocks available within the study area.
- b) Define potential pathways for anaerobic digestion using indigenous biomass resources to meet the energy requirements of the Peninsula, including thermal, transport and electrical energy.
- c) Undertake a spatial multi-criteria analysis to identify preferred locations for the installation of anaerobic digestion projects on the Peninsula.
- d) Develop a high-level design for the recommended anaerobic digestion systems and the associated value chain.
- e) Conduct a lifecycle cost/benefit analysis of the proposed anaerobic digestion system/project and associated supply chain.

- f) Following discussions with relevant stakeholders, recommend appropriate business model(s) for the proposed anaerobic system/project, considering community ownership.
- g) Prepare a Community Roadmap for Anaerobic Digestion deployment within the Dingle Peninsula and an Action Plan for project development.

Community Engagement

1. The feedstock assessment, energy requirements and potential location analysis specified above should be informed and guided by the community, under the leadership of its Anaerobic Digester Steering Committee. It is expected that an appropriate level of engagement and consultation with key stakeholders will take place at key stages of the study, to help understand the needs and capabilities of the community. The study should leverage local knowledge, as well as facilitate knowledge development for the community. Proposers should indicate their ability to conduct business through Irish and experience in providing advice to community groups including Gaeltacht groups.

Meetings, Milestones and Reports

A minimum of six one-to-one meetings will be expected over the course of the project (Project kick-off, completion and 4 progress meetings). Presentation of the study findings at a community meeting should also be included in the proposal.

Two reports should be delivered, as part of the study, to coincide with key milestones:

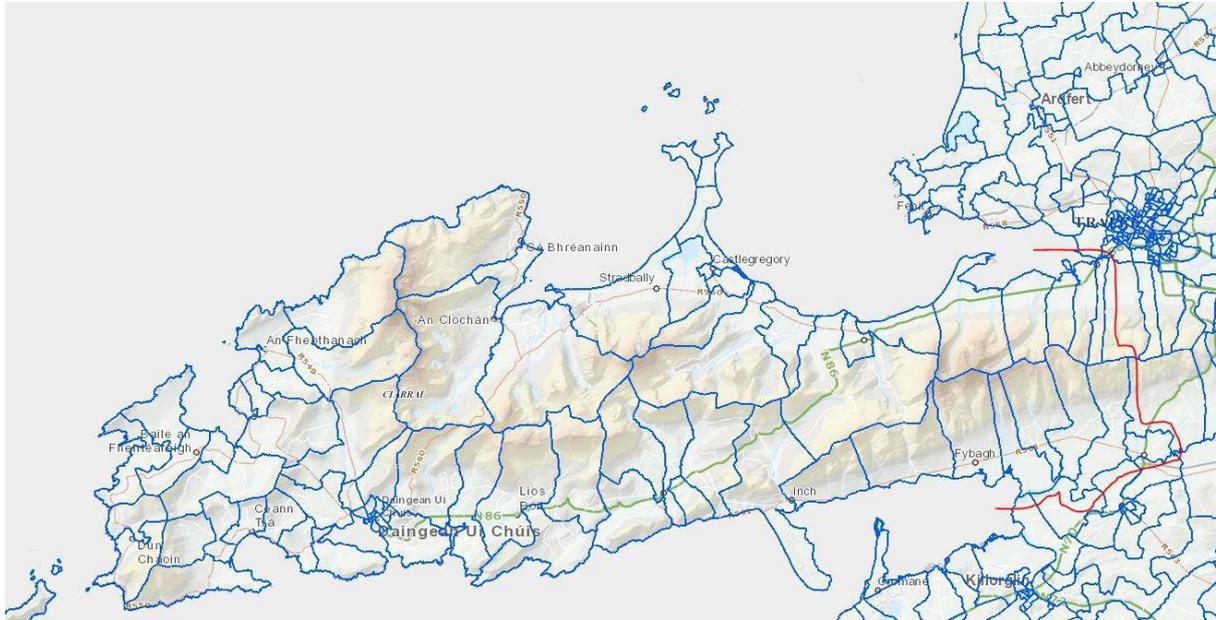
- Milestone 1: Feedstock, energy and location assessment
- Milestone 2: High level design
- Milestone 3: Financial Analysis and Business Model
- Milestone 4: Roadmap for project development

The reports shall be reader-friendly, concise and accessible to a wide audience. Ten hard copies and a digital version of the reports shall be provided. Use of good quality illustrations and infographics is expected. Proposals shall include for the preparation of a set of Powerpoint slides and a leaflet that can be distributed publicly (in Irish and English), summarising the findings of the study and their presentation to the study area community and relevant stakeholders at the completion of the project. A copy of all relevant data shall be provided with the final report so that this data can be built upon over time and provided on a suitable website.

The proposed timescale for this project is 8 – 10 months.

Appendix III

Map of Dingle Peninsula



The Study Area is the area west of a line from Blennerville to Castlemaine.

January 2019