

## Individual Project Support Requirement ATLAS Multidisciplinary Support (HCAP16049)

Reference Name	Grimsby HZ & GW – Stage 2 (Phase 2)		
Reference Number			
Issued to	Arup	Date	14 <sup>th</sup> March 2016

### Part 1: Project Overview

Project Name	Grimsby Large Sites & HZ's
Local Authority	North East Lincs Council (NELC)
Key Stakeholders	<p>The sections / services of the LA involved to date are:</p> <ul style="list-style-type: none"> <li>• NELC as overall service managers</li> <li>• Engie as service providers on behalf of NELC</li> </ul> <p>Other key public agency stakeholders are:</p> <ul style="list-style-type: none"> <li>• Local Enterprise Partnership</li> <li>• Registered Providers</li> <li>• HCA Operating Area – given the site is with a potential Housing Zones (HZ)</li> </ul> <p>There are a number of landowners.</p>
Summary Project Background	<p>Overall Context</p> <ul style="list-style-type: none"> <li>• NELC have bid for HZ status for a number of sites within Grimsby town centre, Cleethorpes and Immingham but the designation has not yet been successful and the bid is classed as 'being in development'.</li> <li>• In addition to the HZ sites (as above) that will deliver up to 1000 homes in total, NELC are also in the process of allocating a site on the West of Grimsby for 3350 homes and associated infrastructure.</li> <li>• NELC have ambitions, on the back of the Renewable Energies Coast (along the Humber Estuary) to promote Grimsby as a location for renewable energy excellence and are looking to retain and grow the population in line with and to support these ambitions.</li> </ul>

Planning status:

- Many of the HZ sites benefit from extant permission and/or are in established residential areas. NELC are open to creating Local Development Orders to facilitate development.
- NELC are due to publish a draft Local Plan in Spring 2016, with a proposed allocation for 3350 homes (in addition to the above) on the western side of Grimsby. An outline application will be prepared in 2016 for submission in early 2017.

Key issues:

- NELC wish to marry their overall renewable energy and digital technologies ambitions with their housing growth ambitions to create an improved quality of housing stock that has clear market differentiation (in a weak market area) and will link to the growing renewable energies sector on the Humber Bank (either physically and/or by way of aspiration).
- Work is required to assess and understand how the solutions can be implemented across both the HZ sites and the Grimsby West Urban extension. It will be important to understand

Renewable Energy

- which solutions are best for individual sites;
- what are the implications for design, layout and phasing;
- what the likely cost of such solutions will be to understand the impact on overall viability;
- how this could lead to market differentiation across Grimsby and for Grimsby as a whole;
- how could any solutions link into Grimsby wide renewable energy aspirations and proposals.
- How could options for the site deliver a holistic approach renewable energy and design informed by the UK Carbon Plan.

Digital Technologies

NELC is interested to understand how digital technologies can be planned and provided for within new developments and any opportunity to explore the deliverability of such infrastructure would be beneficial

Arup has completed Stage 1 of the commission which has comprised preparation of information on demographics, and scoping meetings with the council.

This commission relates to Stage 2 of the process which is detailed below:

<b>Overall Project Objectives/Outcome</b>	<p>Project objectives:</p> <p><b><u>Phase 1</u></b> – Instruction Confirmed – see attached</p> <p><u>Renewable Energy</u></p> <ul style="list-style-type: none"> <li>To prepare an assessment of options for Grimsby West and HZ (4 site) for their potential to deliver cost effective but high quality renewable energy solutions.</li> <li>To provide practical advice on how planning for and providing such infrastructure will impact upon the masterplanning / urban design, planning application, viability and overall delivery process and how NELC can play an active role, with their partners to promote relevant outcomes.</li> </ul> <p><u>Digital Technologies</u></p> <p>Assuming that the development will be delivered with fibre to the home, how is technology developing and is there anything further that should be consider for delivery at development phase to realise the ambitions for the site.</p> <p>This stage is nearly complete – the report outputs are to be tied into the outputs for Stage 2 Phase 2.</p> <p><b><u>Phase 2</u></b></p> <p>Phase 2 is the work now proposed – this relates to developing the thinking around the options that were explored at the workshop and making suggestions around proposals that could be pursued further.</p>
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#### Key Stakeholders

Organisation	Individual	Role
NELC	██████████	Head of Legal Services
Cofley	██████████	Planning Lead

#### Key ATLAS Team Members

Individual	Role
██████████	Project Lead
██████████	Project Officer
██████████	Project Officer
██████████	Project Officer

## Part 2: Work Specification

<p><b>Support Expectations &amp; objectives</b></p>	<p>See attached scope and fee proposal.</p>
<p><b>Tasks/ Nature of Support required</b></p>	<p>In undertaking the study you may have regard to the following elements:</p> <p><b>1. <u>Renewable Energy</u></b></p> <p><u>Strategic [sectoral] opportunities</u></p> <ul style="list-style-type: none"> <li>• Using the UK Carbon Plan as framework investigating low carbon opportunities by sector: <ul style="list-style-type: none"> <li>- Buildings</li> <li>- Transport</li> <li>- Industry</li> <li>- Low Carbon Electricity</li> <li>- Agriculture, Forestry, Land Management</li> <li>- Waste &amp; Resource Efficiency</li> </ul> </li> </ul> <p><u>Site wide opportunities</u></p> <ul style="list-style-type: none"> <li>• Investigation of feasibility of heat network and associated funding.</li> <li>• Consideration of accompanying low carbon technology and associated fuels eg: <ul style="list-style-type: none"> <li>- Biomass boilers</li> <li>- CHP plants</li> <li>- Heat pumps</li> <li>- Electric boilers</li> <li>- Waste to energy [eg anaerobic digestion, gasification etc]</li> <li>- Geothermal</li> </ul> </li> </ul> <p><u>'On- plot'</u></p> <ul style="list-style-type: none"> <li>• Consideration of the main microgeneration options for heat and power: <ul style="list-style-type: none"> <li>- solar thermal</li> <li>- individual biomass heaters</li> <li>- heat pumps</li> <li>- photovoltaics,</li> <li>- micro-wind</li> <li>- micro- hydro and</li> <li>- micro-chp [heat &amp; power]</li> </ul> </li> </ul>

	<p><b>2. <u>Digital Technologies</u></b></p> <p>The advice should cover the following and given the scale of the development coming forward potentially over 20 – 30 yrs, the advice should address basic and adpitational options.</p> <ul style="list-style-type: none"> <li>• What are the options for delivering digital infrastructure to the site including details on emerging technologies.</li> <li>• What will the options cost.</li> <li>• What are the implications for the masterplan and design and layout for the options and timescales for delivery.</li> </ul> <p><b><u>See Attached</u></b></p>
<b>Skills required</b>	Knowledge of renewable energy solutions/sector; understanding of site wide viability and delivery vehicles/mechanisms; and knowledge of planning policy and development management.
<b>Interactions</b>	Initial introductory meeting with ATLAS personnel, as listed above. Further meetings with NELC and Cofley officers and representatives from other key stakeholders, as stated, above.
<b>Deliverables</b>	Deliverables are:  2 reports – on GW and one for HZ sites
<b>Programme / Milestones</b>	To be completed by 31 March 2016

### Part 3: Resource Allocation & Budget

*Note this section is to be finalised and agreed with the individual consultant based upon previous sections. It is anticipated that ATLAS will set out an initial estimate of grades required, days and overall budget to be entered into the formal ITP system. [Karl – we'll need to know how best to do this to control nature of time allocated and manage budgets, but knowing that engagements can be fluid]*

#### Service Delivery

See attached fee proposal from Arup 9 February 2016 – Phase 1 only

Staff Name	Grade	Day Rate	Days	Total

#### Other Support

Staff Name	Grade	Day Rate	Days	Total

#### Management & Quality Assurance

Staff Name	Grade	Day Rate	Days	Total

<b>TOTAL BUDGETARY ALLOWANCE</b>	£11,793
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#### Agreed by

<b>On behalf of</b>	ATLAS
<b>Name</b>	
<b>Role</b>	ATLAS Project Manager/Lead
<b>Dated</b>	
<b>Signature</b>	

<b>On behalf of</b>	
<b>Name</b>	
<b>Role</b>	Consultant Project Manager / Lead
<b>Date</b>	
<b>Signature</b>	