

Network Innovation Competition Full Submission

Supplementary Answer Form

Tick if this answer is Confidential: ☐

Tick if this answer has been provided verbally: ☐

Project code:	NGGDGN01	Question Number	6
Question date	15/8/13	Answer date	19/8/13
Submission section question relates to			
Topic	Business Case		
Question	If the demonstration plant is successful, could you estimate how many full scale plants it would be possible to build by 2020?		
Notes on question			
Answer	<p>Assuming that the current incentive plans for the UK and Western Europe for the production of renewable gas remains as they are then we have estimated that the share of the available market from the biogenic waste feedstocks should lead to the construction of between ten and fifteen trains of plant by 2020 (either as single or potentially some double train facilities). This represents production of 2.5-3.5TWh. This would require ~1-1.5million tonnes of Refuse Derived Fuel per annum. This capacity estimate has been based on calculations of the available wastes in the UK and the Western European countries and an estimate of the early market share that would be expected for a new technology. Given the time to develop plants and to establish the demonstration plant as successful we would expect plants to come in to operation in 2018, giving three years to include 2020 during which these plants can be delivered.</p> <p>This is a realistic estimate of early stage growth. With an established base, it would be expected that over the following 30 years, the expansion could be up to the 30 fold increase proposed, ie 100TWhrs of annual capacity.</p>		

Attachments	
Verbal Clarifications (Consultants)	