

Electricity Network Innovation Competition Full Submission
Supplementary Answer Form

Project: EVOLUTION

Tick if this answer has been provided verbally: ☐

Project code	SPD/EN/01	Question Number	29
Question date	10 September 2015	Answer date	11 September 2015
Submission section question relates to	Page 45		
Topic	Benefits		
Question	Please explain the basis for two assumptions: - the number of affected GSPs will double by 2030; - the number of affected GSPs will start to level off by 2050.		
Notes on question			
Answer	<p>When we projected the number of new GSPs that will experience significant constraints between 2020, 2030 and 2050, we studied the expected growth of the demand and generation profile of our customer base, National Grid's Future Energy Scenarios and also the Electricity Ten Year Statement to understand the future penetration of embedded generation. The continued increase in embedded generation and the associated constraint costs are expected to stabilize after 2030. We also realise some sections of our network will not greatly benefit from the DSO model for example those situated in built up areas with little or no embedded generation and substantial clustered demand.</p>		
Attachments			