**Technical Description** 

Attachment 1 -

Ireland's Climate Action Plan<sup>1</sup>, sets a target of 70% of electricity to be generated from renewable sources by 2030. It also commits to an early and complete phase-out of coal and peat-fired electricity generation. This leaves natural gas as being the only back up for intermittent wind generation.

But despite its reliance on natural gas for renewable energy support, Ireland has very limited supply sources of natural gas. The country's sole gas field, Corrib, is rapidly declining by about 20% per year, resulting in a growing reliance on UK imports to meet its gas demand. Ireland currently imports over 50% of its gas needs from the UK via a single supply point and these imports will grow to over 80% by 2025 and 90% by 2030. The impact of losing this single gas supply from the UK has been assessed by the Commission for Energy Regulation (CRU) as being "disastrous" for electricity production in Ireland.

Recently<sup>3</sup>, the Department of the Environment, Climate and Communications has also noted "the UK has left the European Union which will lead, at the end of the withdrawal period, to difficulties for Ireland in meeting the requirements of EU law in relation to gas security of supply including potential challenges for future compliance with EU law including the "N-1" infrastructure standard and the supply standard"

Consequently, Government polices clearly support the urgent need for the development. For example, the National Energy & Climate Plan (NECP) 2021-2030 contains a policy goal to support natural gas infrastructure projects, such that enhance Ireland's security of supply. Eirgrid's All-Island Generation capacity Statement 2020-2029 confirms the need for additional conventional power plants.

compliance with Ireland's climate change objectives as set out in the <i>National Energy &amp; Climate Plan (</i> 2030. Additionally, the will have the capability to in the form	

<sup>1</sup> Climate Action Plan 2019. Department of the Environment. Climate and Communications. 17th June 2019

<sup>2</sup> Identification of National Electricity Crisis Scenarios for Ireland. CRU/20/138. Commission for energy regulation. 20/11/2020

<sup>3</sup> Request for Tenders dated 2 November 2020 for the provision of Consultancy Services to undertake a Technical Analysis to inform a Review of the Security of Energy Supply of Ireland's Electricity and Natural Gas Systems

