

[REDACTED]

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To: Energy Consultation
Subject: submission

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Risks

1. Are there any other security of supply risks that you can identify in addition to those set out in section 6?

- Increased demand from on shoring energy dependent industries
 - due to trade gaps with China or as a result of war
 - due to trade changes in technology - 3D printing factories, data centres, enclosed farm practices
- Storm damage to off shore wind generation
- Storm damage to over ground transmission systems

2. If there are other risks that you have identified, could you outline some mitigation options to address the risk(s)?

- Personal wind energy generation subsidization
 - Examples are Halcium.com Icewind.is
- Invest in energy producers (as Norway does with Equinor) and have direct impact on resolving issues
- Knowledge centralisation and transparency
 - all regulators (coms/utilities) should be amalgamated
 - public graphical database of all utility connectors from gas to power and data

3. Are the five shock scenarios that were considered, and the additional scenarios related to the Russian invasion of Ukraine, sufficiently broad?

- Intentional disruption of energy production sites
 - Ringsend incinerator

Mitigation Options

4. Do you have any additional mitigation options that you think should be considered?

- Legislate for regulators to regulate all prices listed on every bill. Especially standing charges or any novel charges (switching, closing, commencing)
- Legislate for regulators to have monthly access to internal predictive documents by companies in the sector (planned expansion, contraction, consumer changes)

5. Which gas supply mitigation options, if any, should be considered for implementation?

- Dairy farms should have free methane power generators
Aid the regulator
Build a contracts commission.
The utility regulator needs control over all energy users contracts but does not have the expertise. This can be B2B or B2C, but all contracts in this field need to be explicitly understood to be factored into energy crisis planning

Source initial finance

charge royalties on Corrib in the form of a carbon extraction administration charge.

<https://cleanenergynews.ihsmarkit.com/research-analysis/nordic-developers-win-state-funding-to-tackle-offshore-wind-bo.html>

<https://www.offshore-energy.biz/green-hydrogen-systems-for-norways-h2-project/>

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<https://www.euronews.com/green/2021/04/06/could-this-be-the-safest-most-powerful-wind-turbine-in-the-world>

<https://www.halcium.com/>

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<https://www.ecohome.net/guides/3605/small-wind-turbines-for-homes-which-are-best/>

<https://icewind.is/>