

Not Here Not Anywhere are a nationwide, grassroots, non-partisan group campaigning to end fossil fuel exploration and the development of new fossil fuel infrastructure in Ireland. We advocate for a just transition to renewable energy systems both here and around the world.

As part of the Climate Action Charter, Kerry County Council is committed to driving forward meaningful climate action. This encompasses processes for carbon proofing major decisions, programmes and projects, including investments in transport and energy infrastructure. Not Here Not Anywhere has made the following recommendations.

### **Impacts of Liquefied Natural Gas Projects**

Research states that if we are to keep global temperature rise below 1.5°C and avoid catastrophic climate change, fossil gas must be phased out of the energy mix in Europe by 2035 {i}, discrediting claims that gas is a "transition fuel" in the transition to a decarbonised economy {ii}{ii}. Research also states that we can't develop any new fossil fuel infrastructure from 2019 onwards if we are to have a 64% chance of limiting temperature rise to less than 1.5°C {iv}. Currently, 69% of all gas produced in the US and imported to Europe as LNG is sourced through hydraulic fracturing {v}. New LNG exports will super-charge additional fracking, as 80% of the increased exports will come from new, i.e, fracked, wells {vi}. Recent research shows that this is 40% more damaging to the climate than coal {vii}. The lifespan of a project like Cork LNG is at least 30 years which would increase our dependence on dirty fossil fuels and impinge on the development of renewable energy projects {viii}.

### **Energy Security and LNG**

Cork LNG is not required for energy security. A 2020 study by leading independent consultancy Artelys concluded that "existing EU gas infrastructure is sufficiently capable of meeting a variety of future gas demand scenarios in the EU28, even in the event of extreme supply disruption cases" {ix}. The European body of gas network operators, ENTSO-G, in its 2017 Security of Supply Review, found that Ireland and the UK would suffer no curtailment in gas supply faced with a variety of supply disruption scenarios {x}. Historically, the UK has provided most of Ireland's gas supply, and Ervia states that in the UK "there is ample import capacity over and above demand" {xi}. Demand for gas in the UK has decreased by a fifth since 2004 and gas-fired electricity generation is expected to drop by 40% by 2025 {xii}. This is due to the existing over-capacity of the EU gas grid; gas import infrastructures have import capacity 200% higher than what Europe actually imports.

#### **Recommendations:**

- Ban the development of LNG projects within the county development plan

### **Other Fossil Fuel Infrastructure**

New fossil fuel infrastructure or upgrades to existing infrastructure should be consistent with Ireland's fair share net cumulative carbon dioxide (CO<sub>2</sub>) quota in line with the Paris agreement or future equivalent {xiv}.

### Recommendations:

- All-new large scale fossil fuel infrastructure projects are mandated to undertake climate impact assessment to ensure they are consistent with Ireland's fair share net cumulative carbon dioxide (CO<sub>2</sub>) quota in line with the Paris agreement or future equivalent

### **Data Centres**

Eirgrid estimates that demand from data centres could account for up to 36% of Ireland's electricity demand by 2030, along with 75% of new electricity demand growth (Eirgrid, 2017:30) {xvi}. The Irish Academy of Engineering predicts that data centre development will add at least 1.5 million tonnes to Ireland's carbon emissions by 2030, a 13% increase on current electricity sector emissions, and will require an investment of €9 billion by 2027{xvii}.

For example, if Amazon's eight centre project in Mulhuddart, Dublin 15, is realised, by 2026 it would use c. 4.4% per cent of the State's entire energy capacity, the equivalent of Galway city, but employ only 30 people post-construction, largely in facility maintenance {xviii}. The Apple data centre proposed for Athenry, Co. Galway, would ultimately use over 8% of the national capacity, more than the daily entire usage of Dublin, and would require 144 diesel generators as back-up {xix}.

The government has acknowledged that "data centres pose considerable challenges to the future planning and operation of Ireland's power system"{xx}. These challenges include higher electricity costs for consumers {xxi}. The Danish Council on Climate Change recommended in April 2019 that the Danish government legally binds data centre owners and developers to contributing to the infrastructure required to supply the centres with renewable energy, such as wind and solar farms {xxii}.

Currently, many companies claim to operate data centres powered by 100% renewable energy. However, the energy is largely sourced indirectly through Renewable Energy Certificates or Purchase Power Agreements {xxiii}, which means that the energy is sourced from the grid, which in Ireland is 69% fossil fuel-powered {xxiv}. If we continue to allow companies to virtually purchase clean energy where it is cheapest to create, while actually using and increasing demand for dirty energy in Ireland, we allow them to profit while our real emissions continue to rise. It is crucial therefore that data centres are powered directly by onsite renewable energy generation such as rooftop solar farms or new offsite generation such as offshore wind or solar

farms. Data Centers also generate large quantities of waste heat which could be utilised in district heating systems {xxv}.

### Recommendations:

- New data centres must be powered by onsite or new offsite renewable energy, with existing centres required to transition rapidly to onsite or new offsite renewables.
- Where technically possible, heat recovered from Data Centres should be utilised for district heating systems.

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