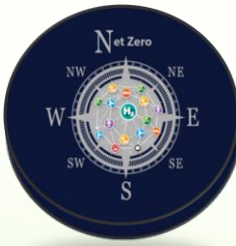




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NORTHERN IRELAND'S ENERGY TRANSITION

- ▶ Edward Kerr
- ▶ Director
- ▶ Hydrogen, Gas policy, Transport, Minerals & Petroleum
- ▶ Department for the Economy
- ▶ May 2023

OVERVIEW



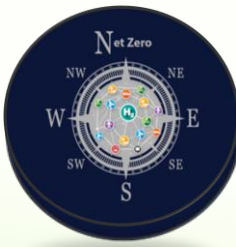
- ▶ What will the energy transition achieve?
- ▶ The policy landscape

1. Northern Ireland Energy Strategy “Path to net zero.” December 2021
2. Climate Change act (NI) 2022
3. Energy Strategy Action Plans and the Climate Action Plan (CAP)

- ▶ Northern Ireland now and next - highlights.



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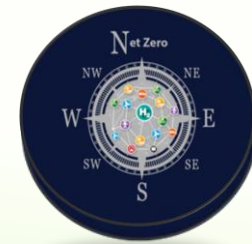
What will the energy transition achieve?

It will deliver self sufficiency in affordable renewable energy

- ▶ Provides energy security.
- ▶ We will have locally generated energy decoupled from volatile world market pressures.
- ▶ New regulated energy markets & fuels to reduce fuel poverty and inequality.
- ▶ Flexible energy systems and storage to mitigate seasonal impacts.
- ▶ Grow the green economy by integrating new technologies and adopting new skills

Future focus remains on increasing renewables (wind), developing hydrogen, energy efficiency, electrification, eFuels, carbon capture, consumer support & sustainable biomethane

THE POLICY LANDSCAPE



▶ Northern Ireland Energy Strategy “Path to net zero.” December 2021

1. Deliver energy savings of 25% from buildings and industry.
2. 80% of electricity consumption from a mix of renewables.
3. Double the size of our core green economy (£2billion).

▶ Climate Change Act (NI) 2022 June 2022

1. Produce a system of carbon budgeting and setting 2030 and 2040 targets;
2. produce 5-year Climate Action Plans (CAP) to set out the policies and proposals that Northern Ireland departments will implement to meet a carbon budget.
3. Establish a Just Transition Commission for Northern Ireland and an office for a Northern Ireland Climate Commissioner.
4. Set regulations in regard to climate change reporting duties by public bodies and a Just Transition Fund for Agriculture;
5. Establish a system of reporting and statements against targets and budgets.

THE POLICY LANDSCAPE



► Energy Strategy Action Plans and The Climate Action Plan (CAP)

Action Plan 2022 (completed)

Early work on one stop shop, early work on fuel poverty plan by DfC, UR launched a call for evidence for consumer protection in energy decarbonisation, £4.5m innovation funding through CASE in 2022, energy skills audit actioned, BC for HyTechNI launched (£15m,) Invest to save scheme launched, review of building regs started, review on permitted development, OREAP consulted on with statement of intent on floor bed leasing signed, low carbon heat demonstrators, biomethane working group started, EV infrastructure plan launched

Action Plan 2023

Launch one stop shop, fuel poverty consultation, skills audit, multi year energy efficiency program consultation, launch design of renewable electricity support scheme, consultation on low carbon heat support scheme, call for evidence on biomethane, plan for decarbonizing Rathlin, planning consultation for renewables, smart metering plan development.

Climate Action Plan (CAP)

DAERA along with sectoral department leads will consult on specific targets and climate change committee recommendations in summer 2023, workshop dates are to be confirmed and will be sector specific.

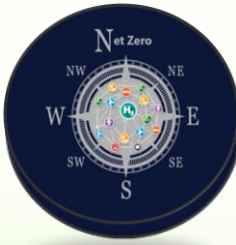


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NORTHERN IRELAND NOW

- ▶ **Green** Hydrogen focus.
- ▶ Translink hydrogen buses.
- ▶ Translink hydrogen refuelling in Belfast
- ▶ Hydrogen production active
- ▶ Synthetic fuel production proven
- ▶ Innovation base at QUB AMIC, UU HySAFER, H₂ Academy, CASE.
- ▶ 51% of NI electricity demand met by renewables.
- ▶ Biomethane blending in 2023.

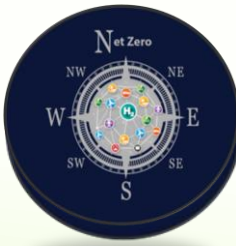


Northern Ireland next

- ▶ Development of HyTechNI.
- ▶ Range of Hydrogen demonstrator projects, 2023 - 2028.
- ▶ North/South green transport corridors.
- ▶ Commence hydrogen blending by 2024.
- ▶ More zero emission buses on our roads.
- ▶ Focus on zero emission eFuel options for aviation, road, maritime & heat.
- ▶ Green gas policy & offshore renewables



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THANK YOU

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