



Department for the
Economy

Thomas Byrne

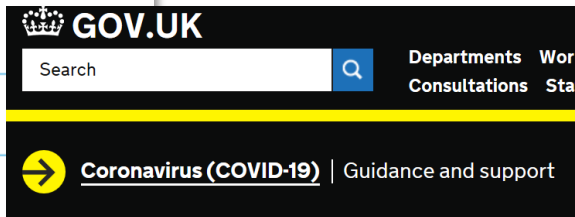


Northern Ireland Energy Strategy

Thomas Byrne
Department for the Economy
Fermanagh & Omagh District Council

Context

Energy



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Coronavirus (COVID-19) | Guidance and support

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News story

UK becomes first major economy to pass net zero emissions law

New target will require the UK to bring all greenhouse gas emissions to net zero by 2050.

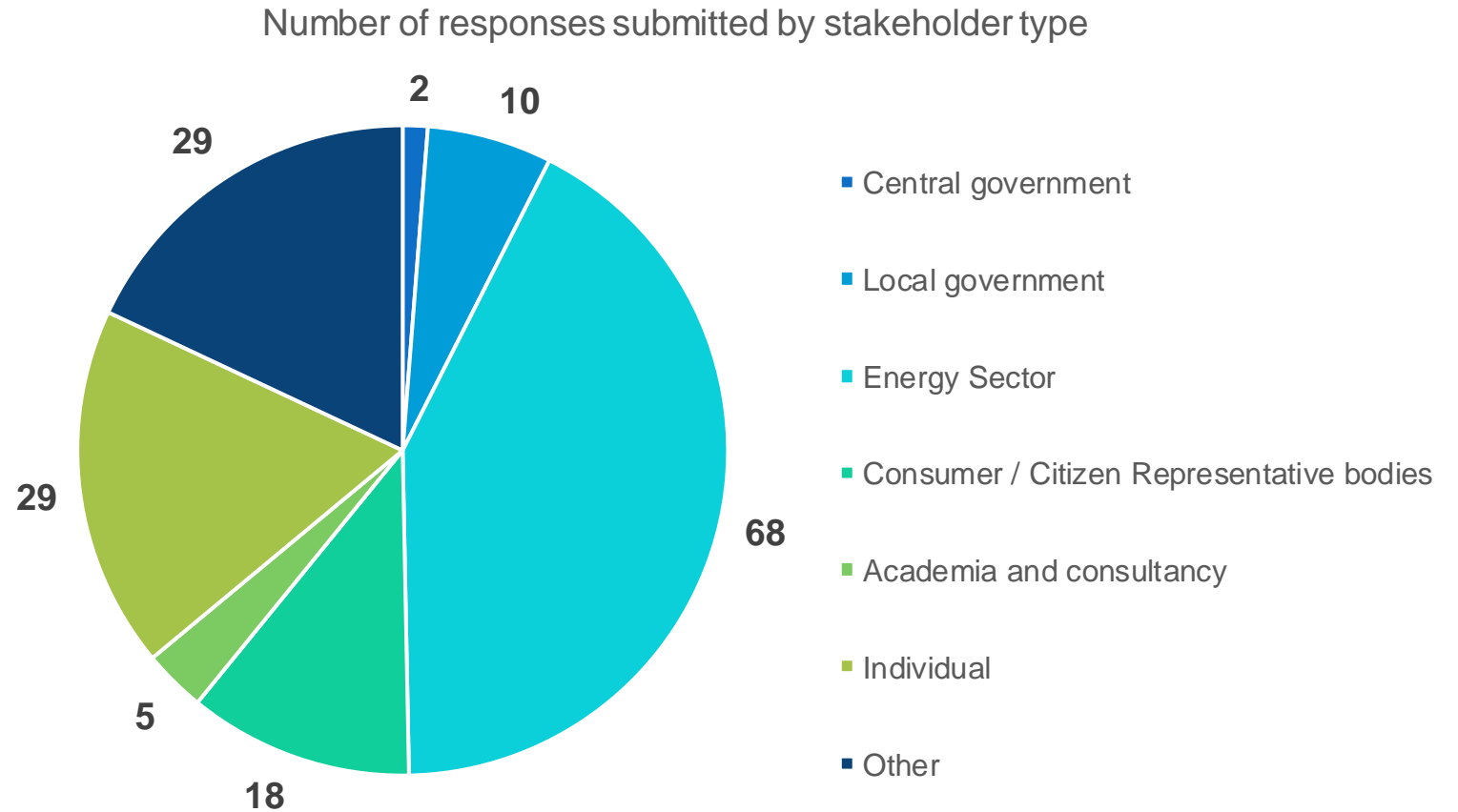


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Northern Ireland Assembly declares a 'climate emergency'
By Conor Macauley
BBC NI Agriculture & Environment Correspondent
3 February 2020
Climate change

Call for evidence responses

161
responses
received

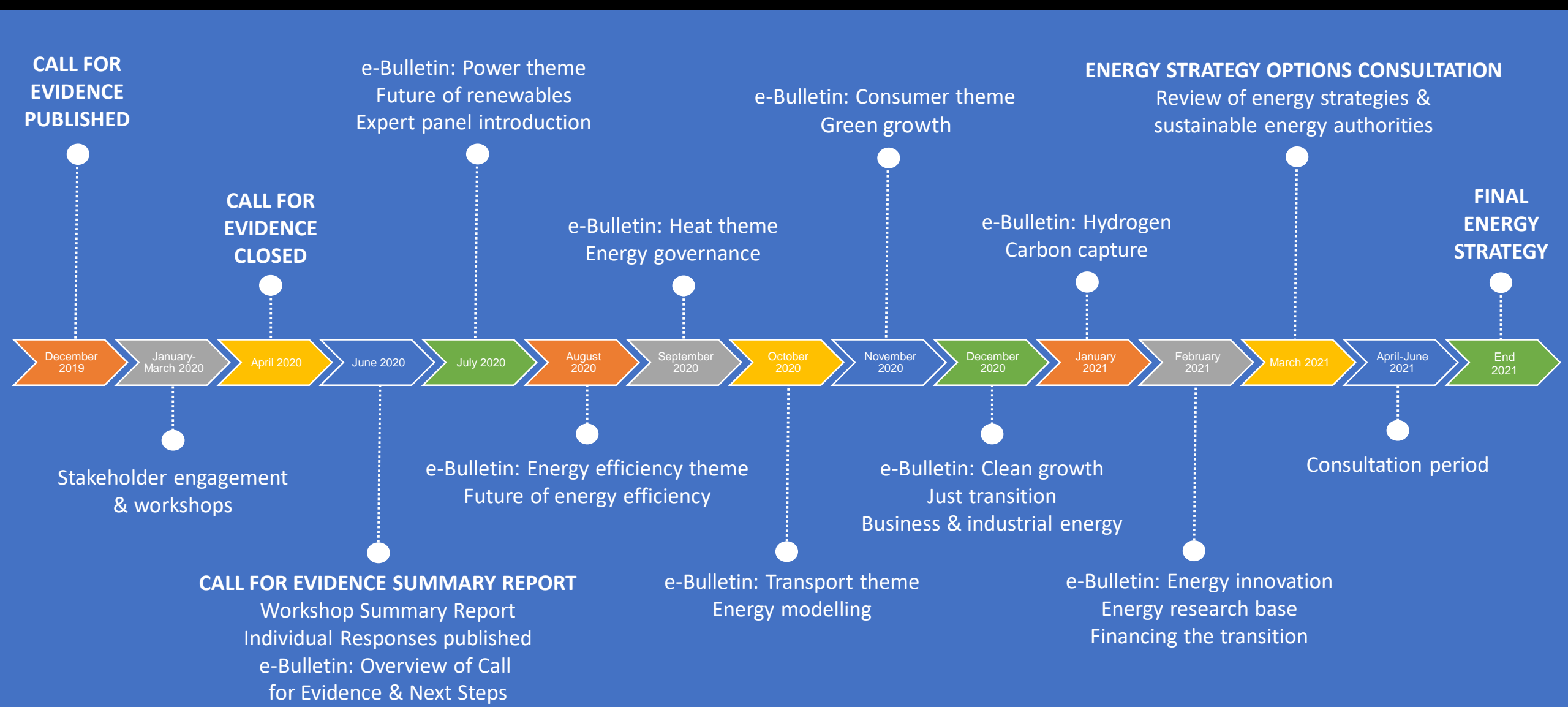
June 20
summary report
and responses
published



Collaborative approach

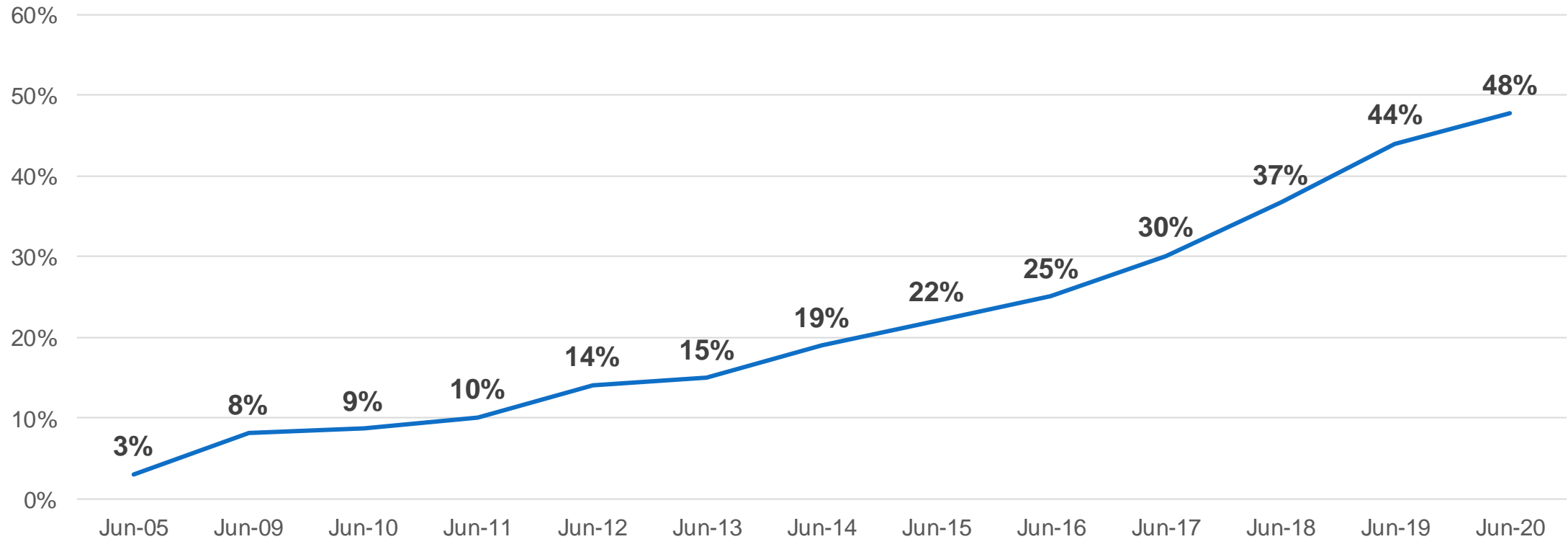
- **Government Stakeholders Group** brings together key departments and local government.
- **Five** working groups established:
[Consumers](#) | [Energy Efficiency](#) | [Heat](#) | [Power](#) | [Transport](#)
- Considering evidence, carrying out new research and providing **evidence-based** options for consultation.
- Membership from a mix of government (both central and local), industry and other representatives where appropriate.
- More than **70 members** from **30 different organisations**.

Energy Strategy Timeline



Our renewable electricity success

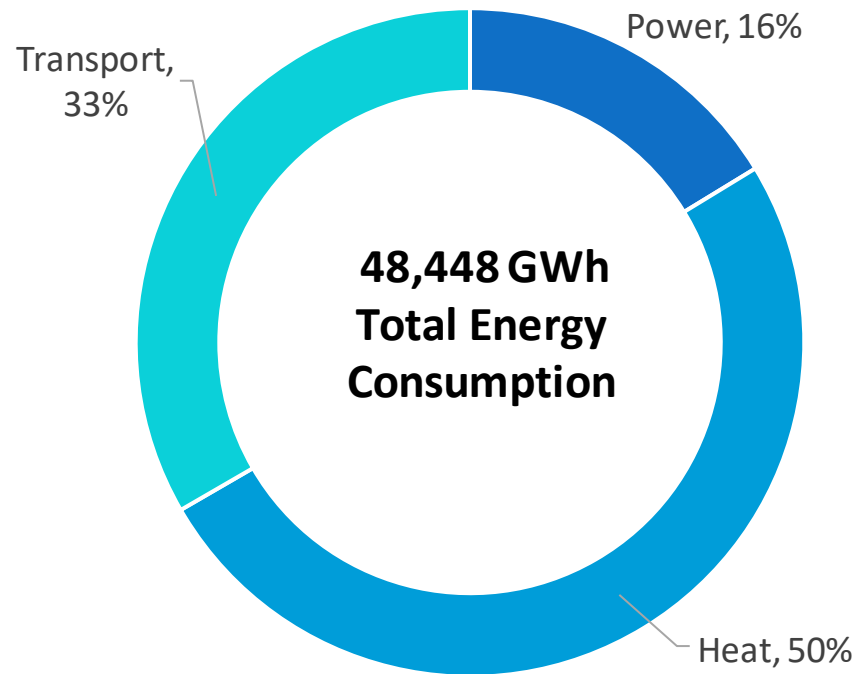
Electricity consumption in Northern Ireland generated from renewable sources located in Northern Ireland, % 12 month rolling average



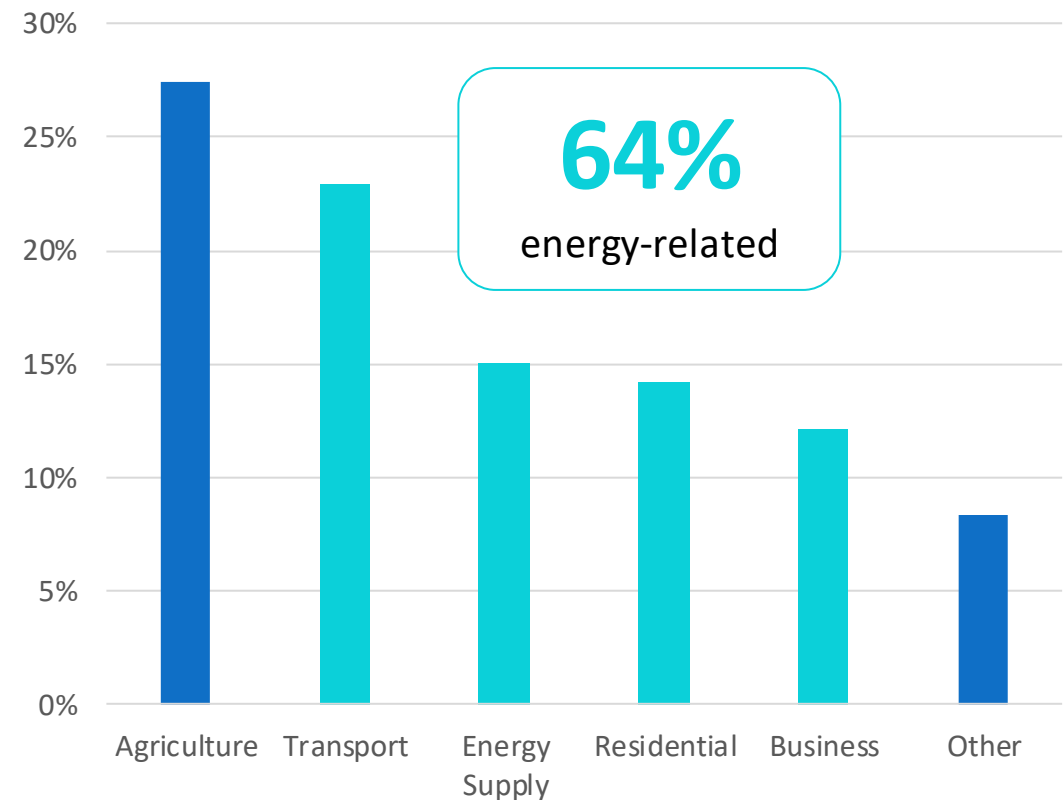
Source: NISRA Electricity Consumption and Renewable Generation Statistics

Northern Ireland's energy mix

Total final energy consumption, 2018

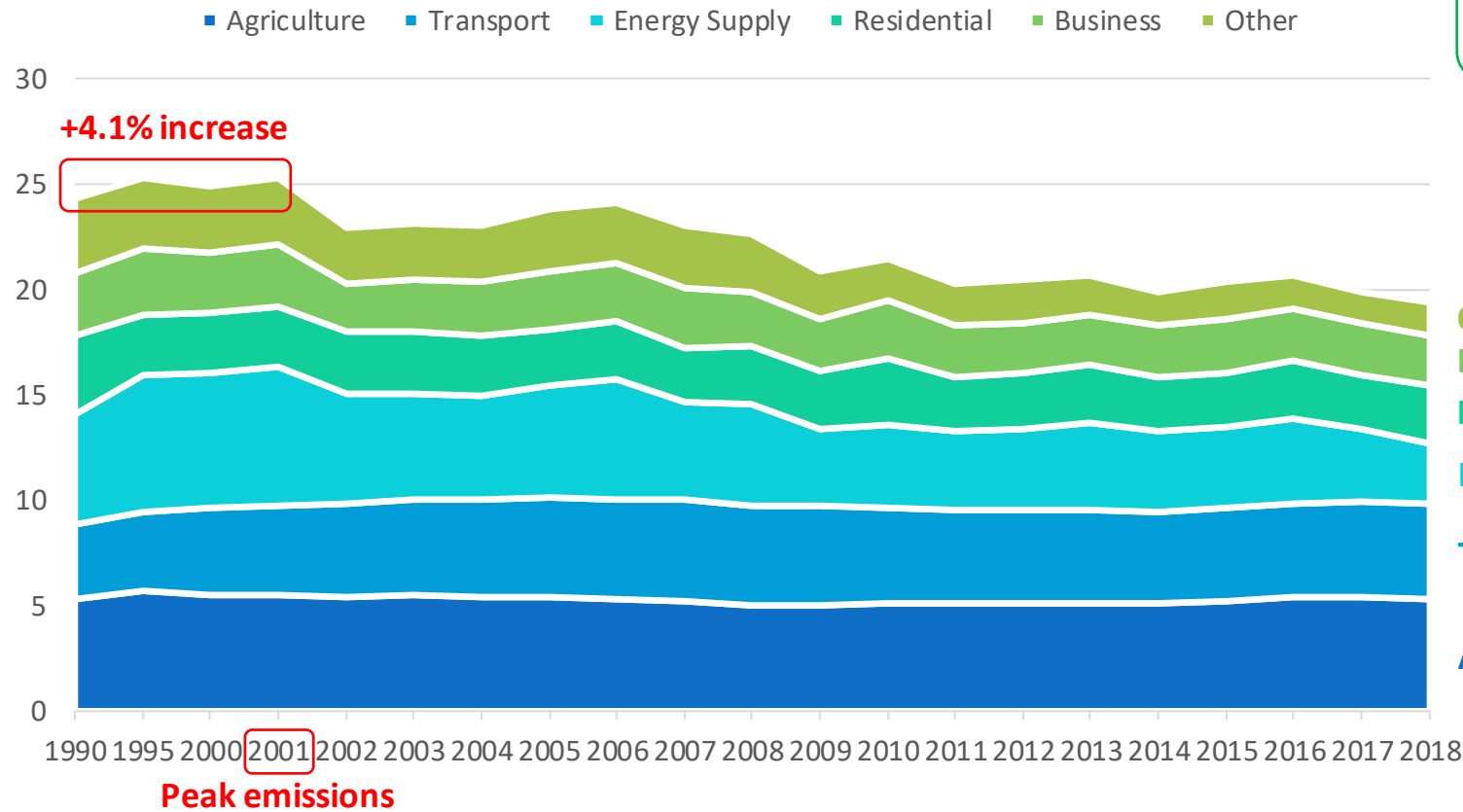


GHG emissions by sector, 2018



Trends in emissions

NI GHG emissions by sector, MtCO₂e, 1990-2018



23% decrease in GHG emissions since 2001

1.3% reduction per annum on average

- Other -48%**
- Business -21%**
- Residential -3%**
- Energy Supply -56%**
- Transport +5%**
- Agriculture -2%**

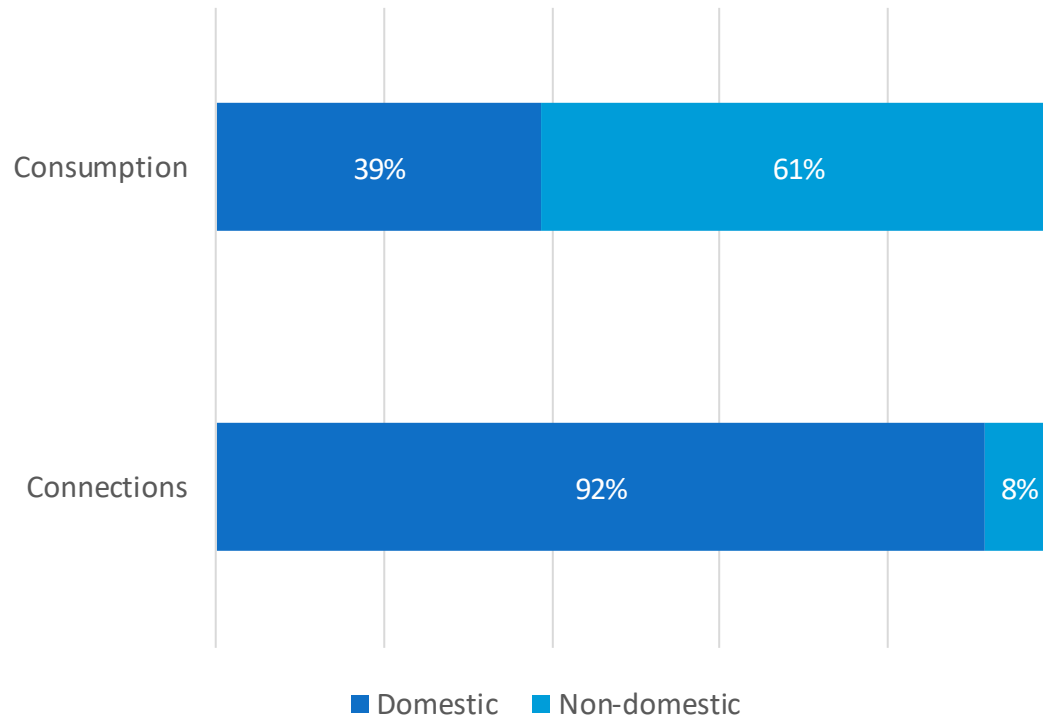
61% of emissions still remain if we continue at same rate to 2050

2.5 times the current annual rate of decrease needed to eliminate emissions by 2050

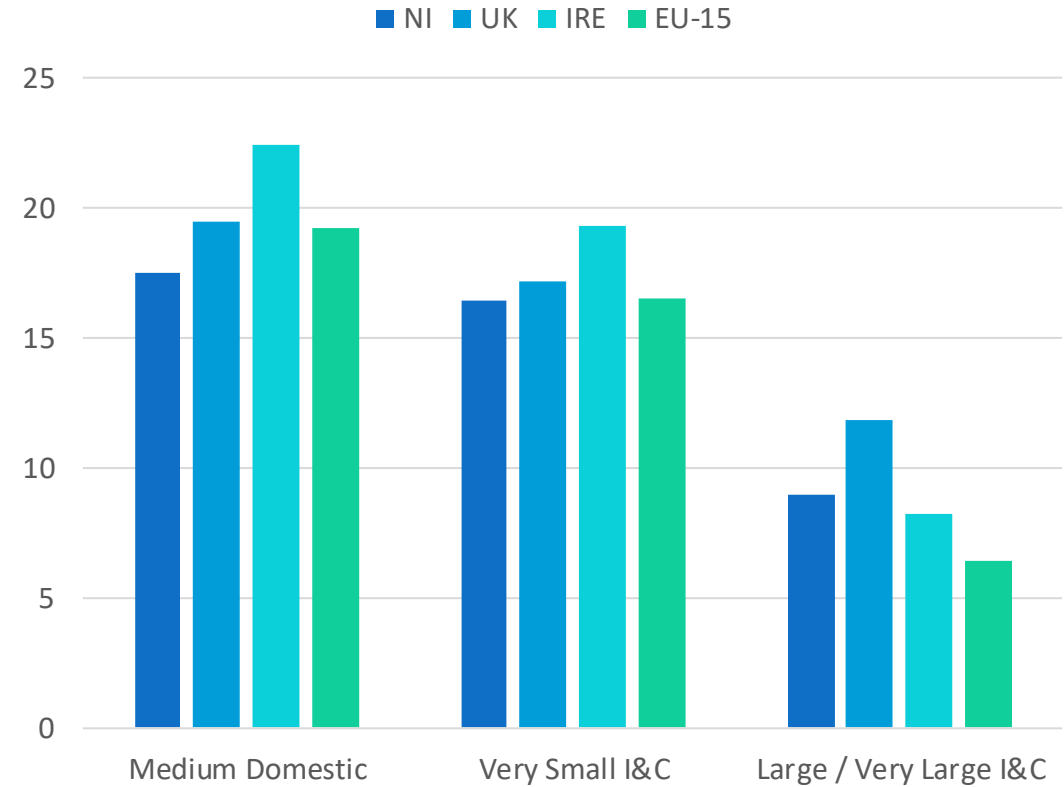
Source: DAERA, Greenhouse Gas Inventory

Costs and consumers

Electricity Connections & Consumption , Q2 2020



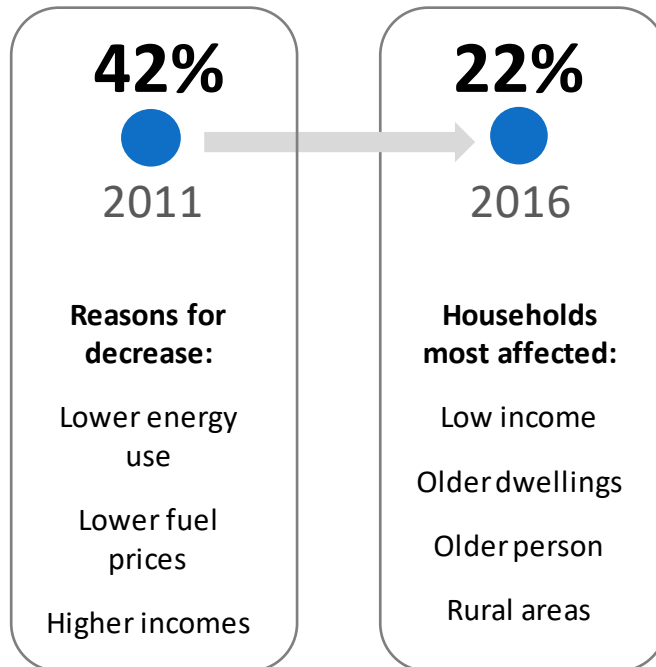
Electricity Tariffs, Q4 2019, p/kWh



Source: Utility Regulator, Quarterly Transparency Report

Domestic fuel poverty

Fuel poverty under the 10% definition
(household needs to spend more than 10% of income to maintain house heating at satisfactory level)

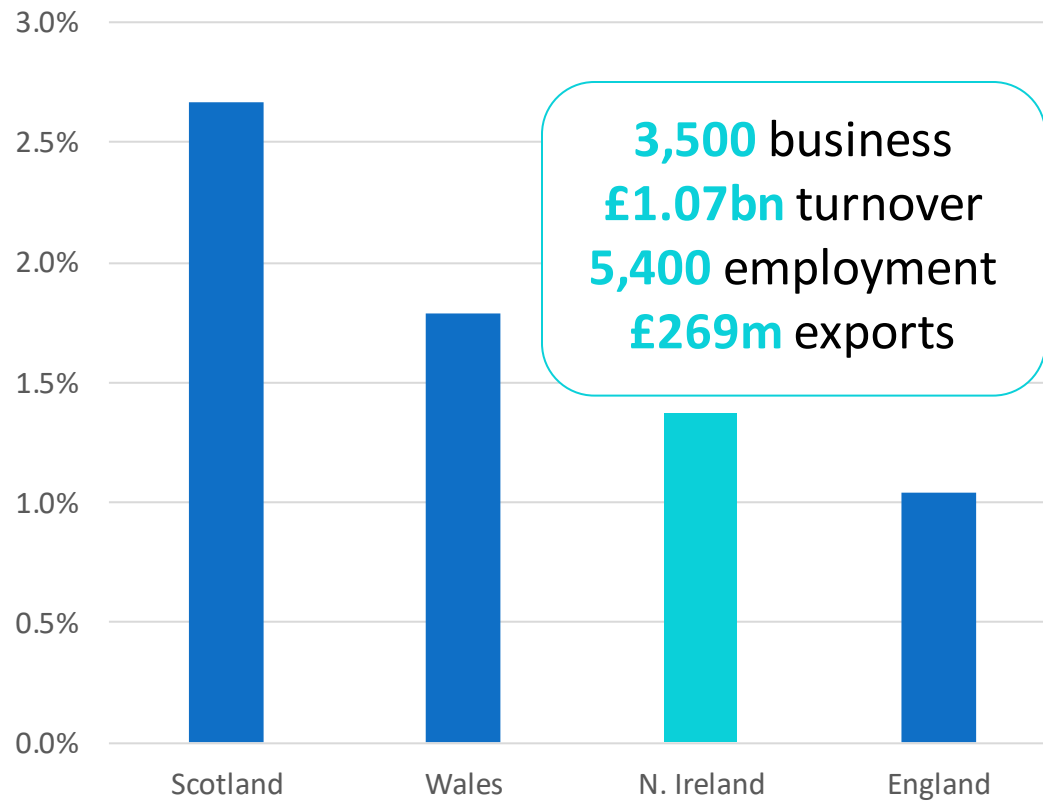


Percentage of households in fuel poverty in Northern Ireland for various fuel price scenarios with 2016 as a base figure

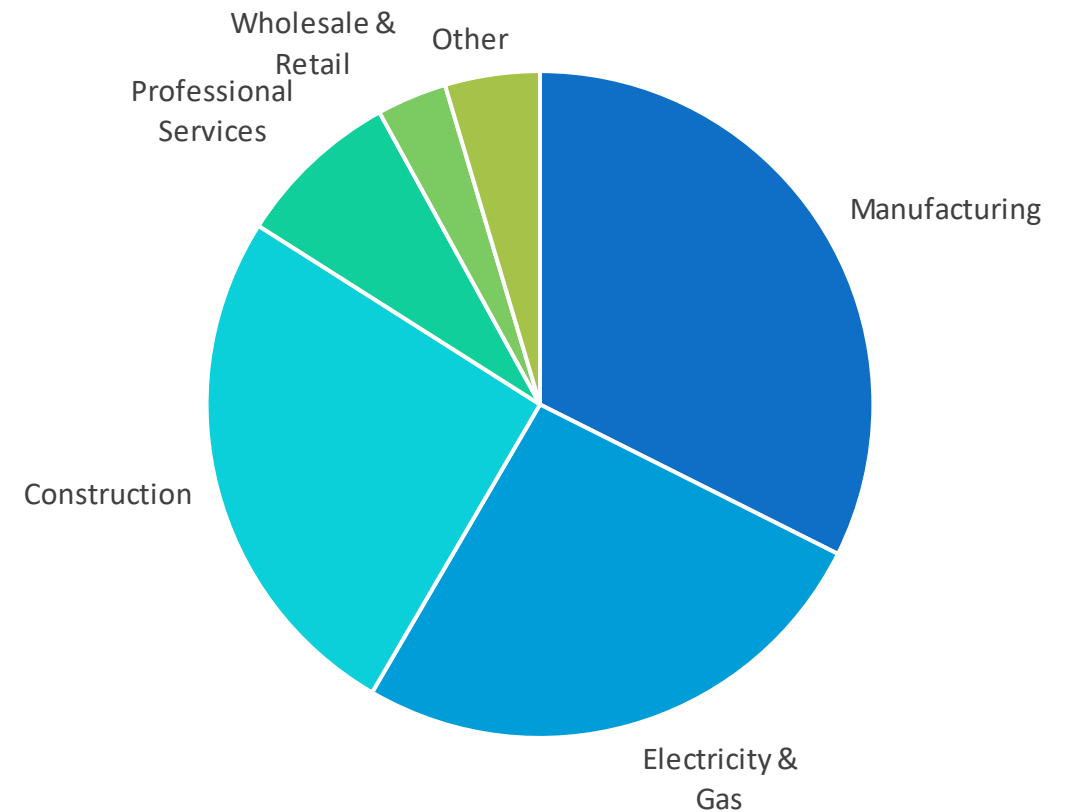
	-25%	-10%	-5%	BASE	+5%	+10%	+25%	+50%
Gas	21	21	21	21.5	22	22	23	24
Electricity	16	20	21	21.5	23	24	29	37
Solid Fuel	21	21	21	21.5	22	22	22	23
Oil	15	19	21	21.5	23	24	29	35
All	10	16	19	21.5	25	28	38	52

Low carbon and renewable economy

Turnover as % of total private sector, 2018



UK turnover by industry, 2018

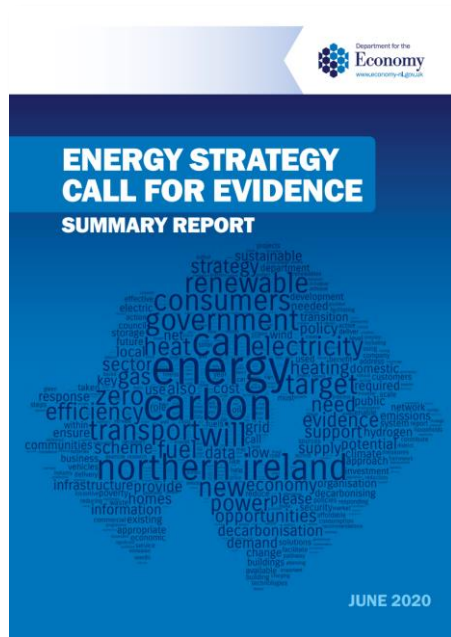


Overview of key themes

Energy Efficiency	Power	Heat	Transport	Consumers	Other
<ul style="list-style-type: none">• Energy efficiency target• Standards & regulations• Financing options• Sector capacity & capability	<ul style="list-style-type: none">• New target• Route to market• Technology mix• Public support• Transforming the power sector	<ul style="list-style-type: none">• Future of oil & solid fuels• Future of gas• Future of renewable heat• Local heat solutions	<ul style="list-style-type: none">• Modal shift• Electrifying transport• Alternative transport fuels• Future mobility	<ul style="list-style-type: none">• Consumer populations• Impact assessment• Enable & protect• One stop shop• Citizen energy	<ul style="list-style-type: none">• Hydrogen & biogas• Green economy• Governance• Legislation & regulation

Keeping in touch

Join our stakeholder mailing list:
energystategy@economy-ni.gov.uk



The image is a composite background. In the foreground, there are several dark blue solar panels on the left, and a vast field of bright yellow sunflowers on the right. In the middle ground, a dense line of green trees stretches across the horizon. In the background, several white wind turbines are visible against a clear blue sky with scattered white clouds. The overall scene represents clean, renewable energy.

Thank you

thomas.byrne@economy-ni.gov.uk