

Climate Emergency

Paul Nelson, North Tyneside Council.

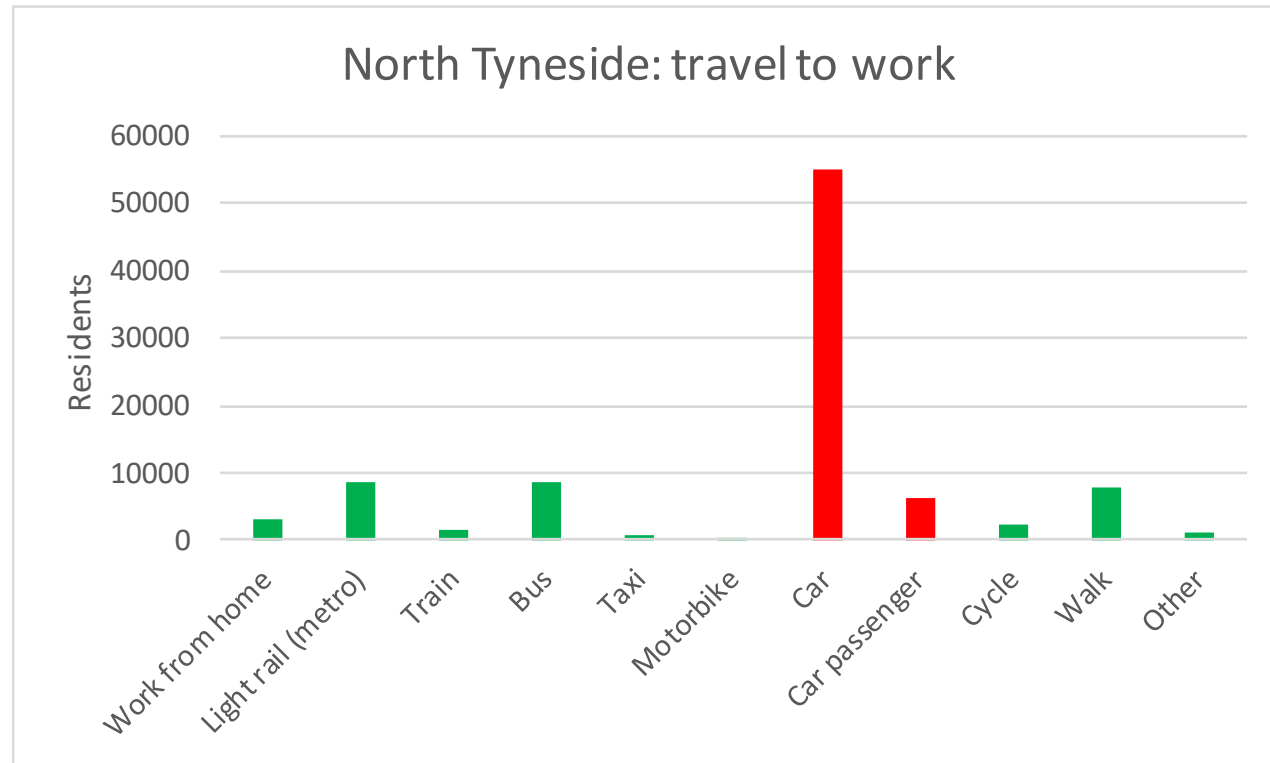


Content

- Local context
- “This ain’t my first time at the rodeo”
- What Climate Emergency?
- Where are we now?
- Challenges



- 206k pop.
- 94k homes
 - 3.6k solar pv
 - 3k not on gas
- 92k cars (312 ULEV)
- 5,000 businesses
- UK's largest office park
- Tyne & Wear metro



Big changes....



Background

Intergovernmental Panel on Climate Change 1.5°C Special Report

- Limiting global warming to 1.5°C requires major and immediate transformation.
- A 1.5 degree rise is still not 'safe'
- Carbon emissions must decline by about 45% from 2010 levels by 2030 and will need to reach net-zero around mid-century.
- Everyone – countries, cities, the private sector, individuals — will need to strengthen their action, without delay.



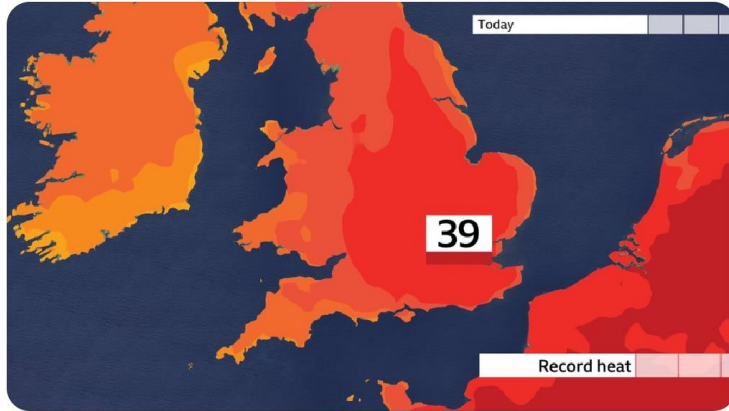


Oxford Dictionaries declares 'climate emergency' the word of 2019

Usage of the term increased 100-fold in the space of 12 months, dictionary says



Morning, if we're going to do it
TODAY'S THE DAY! We will of
course keep you posted. Lou L



5:47 · 25 Jul 19 · [WeatherPresenter](#)

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WE DID IT!!!!!!!



In other completely unrelated and totally coincidental news.....



Tyre tracks left on A14 after road melts in blistering heatwave

There are visible marks from where cars have driven through the melted tarmac

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19:49, 25 JUL 2019

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In YourArea



UK heatwave: Sweltering commuters face heatwave woes

🕒 25 July 2019

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UK heatwaves



Policy

North Tyneside
Council

Low Carbon Plan

2016 -2027

Positive Action In
North Tyneside



Target;

- 50% carbon emission reduction by 2027

Action plan;

- Energy Reduction
- Energy Efficiency
- Energy Generation
- Fuel Poverty

CLIMATE EMERGENCY DECLARED

50% 2023

Carbon neutral 2050



North Tyneside Council

What is a carbon footprint?

Council

- Buildings, Street Lighting, Fleet, Staff Business Miles
- We 'own' the data

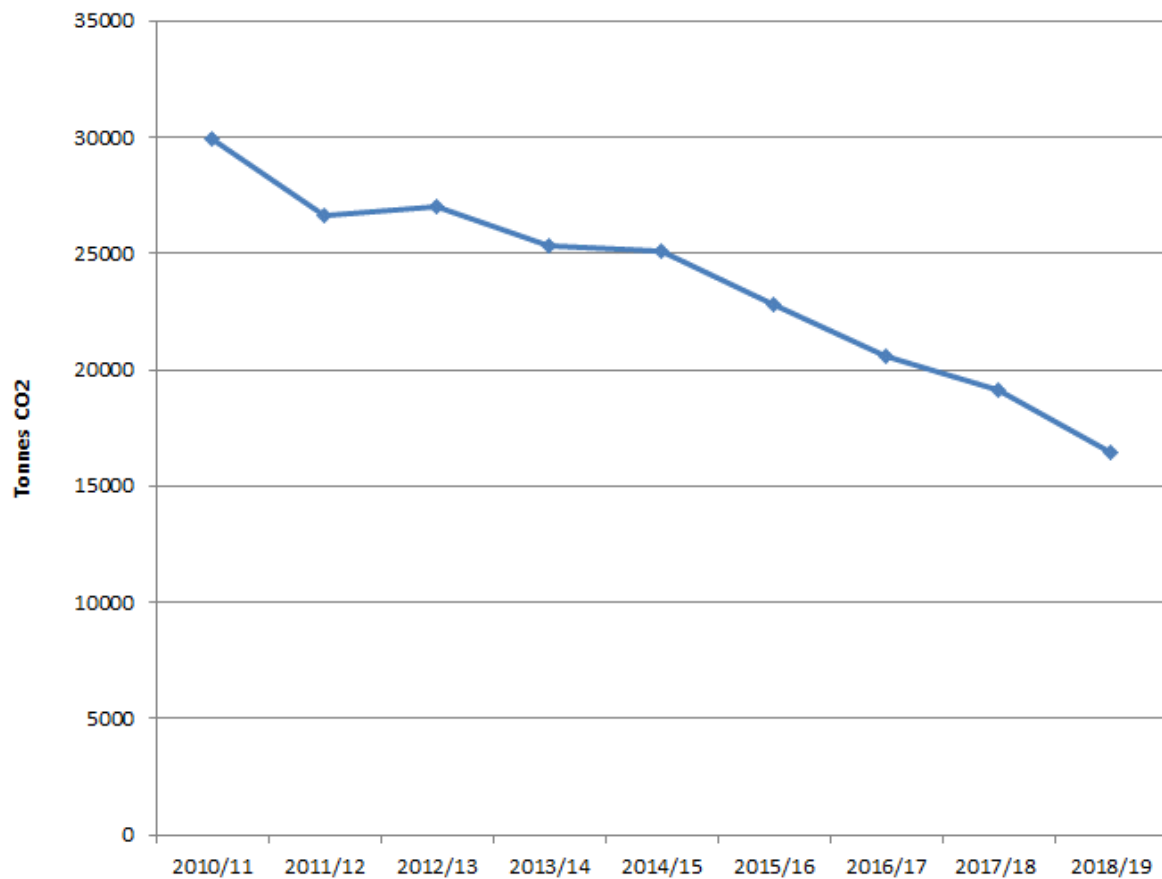
Borough

- Domestic, Commercial & Industrial, Transport, Land Use
- Data provided by Central Government

Does not include procurement, aviation, shipping, waste.



Council Carbon footprint 2010/11 - 2018/19

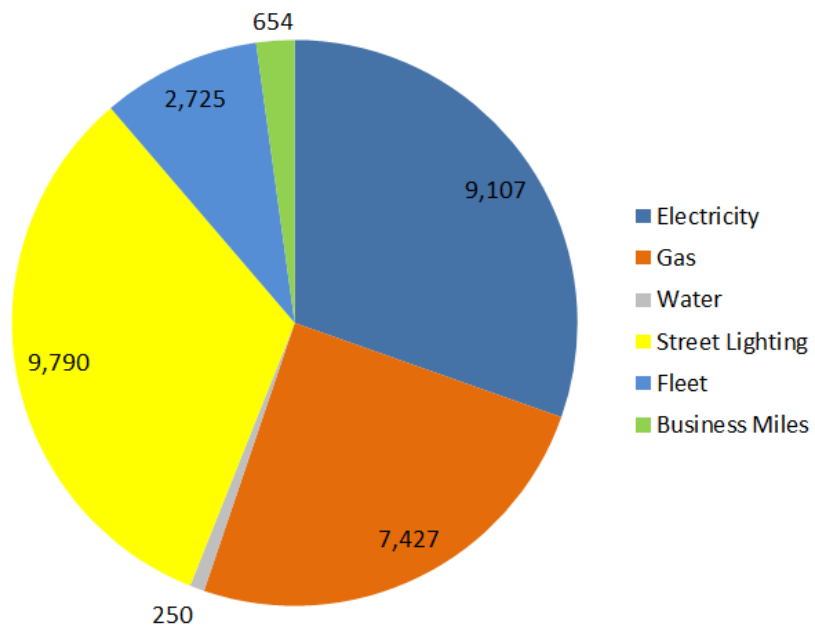


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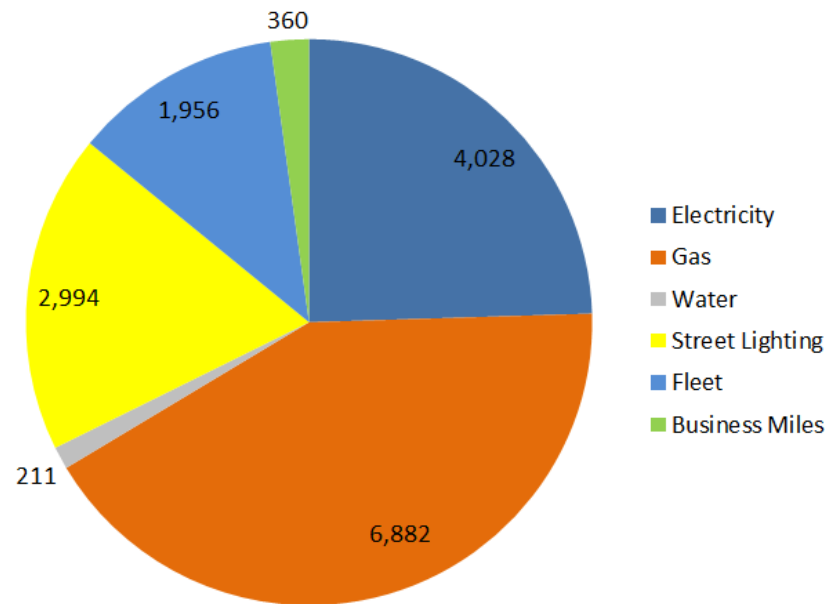


North Tyneside Council

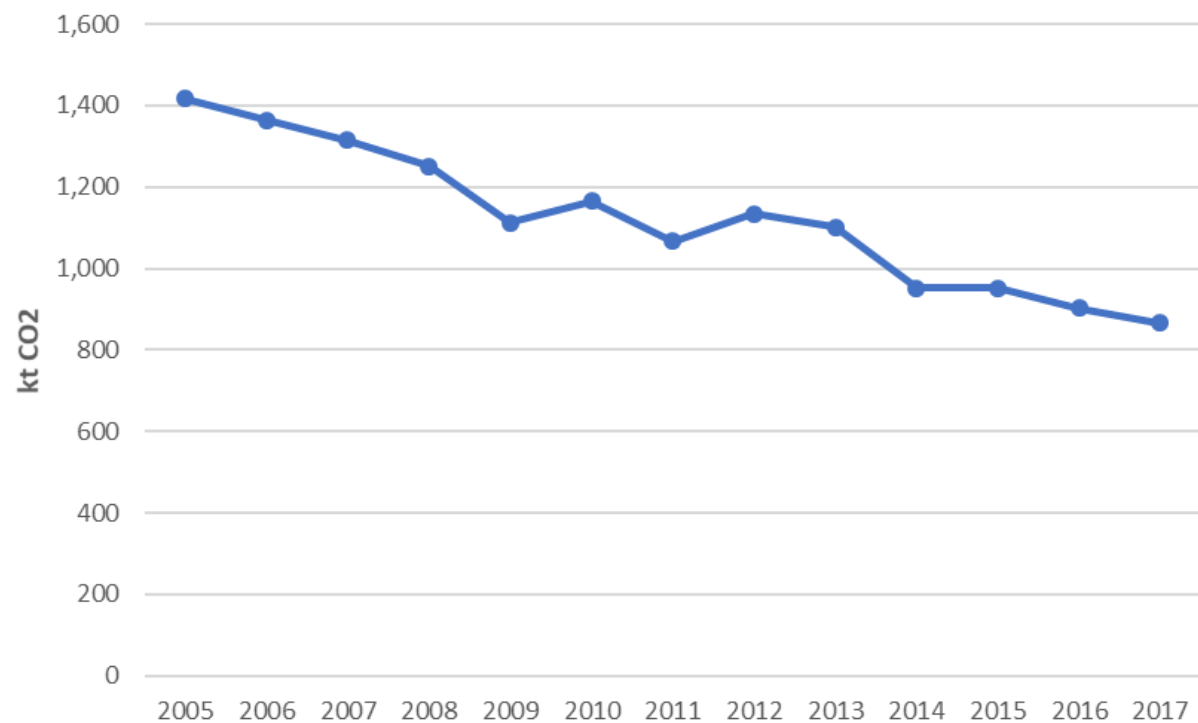
Council carbon footprint 2010-11 - 29,954 tonnes



Council carbon footprint 2018-19 - 16,431 tonnes



Borough Carbon Footprint 2005-2017

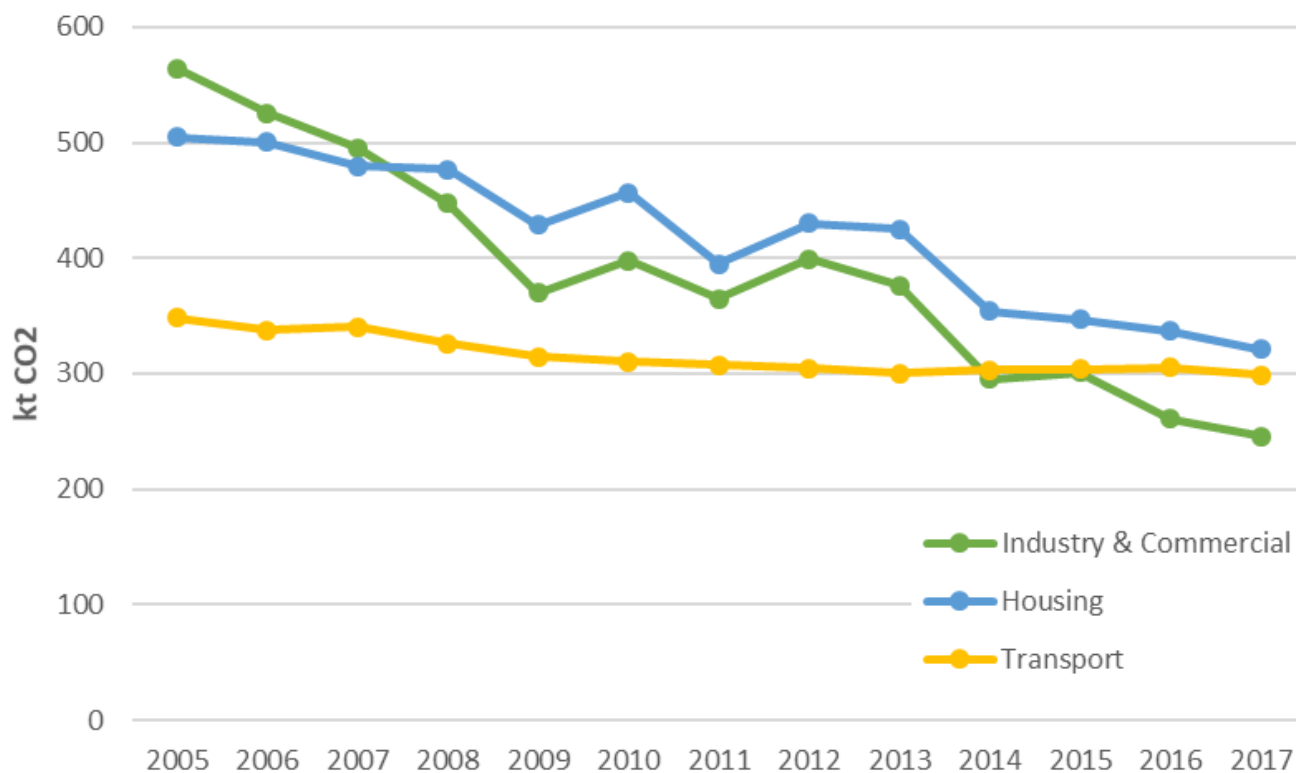


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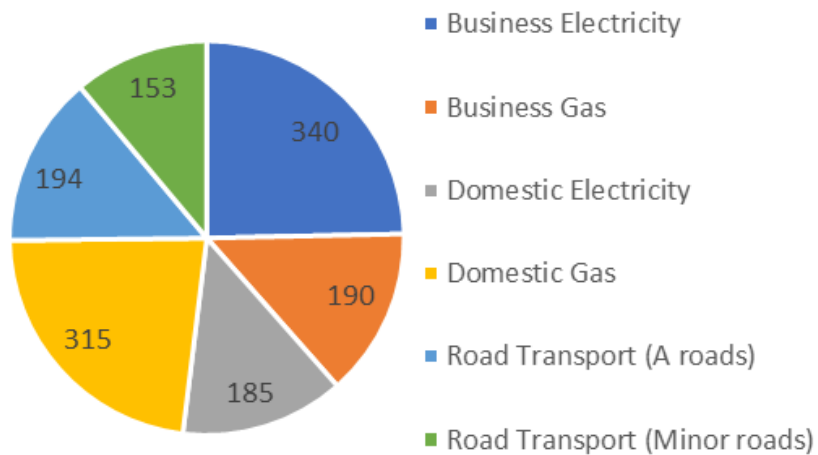


North Tyneside Council

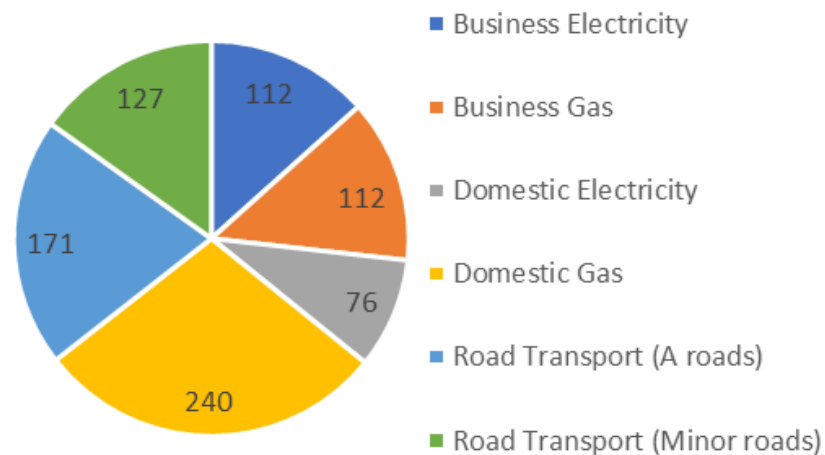
Borough Carbon Footprint 2005-2017



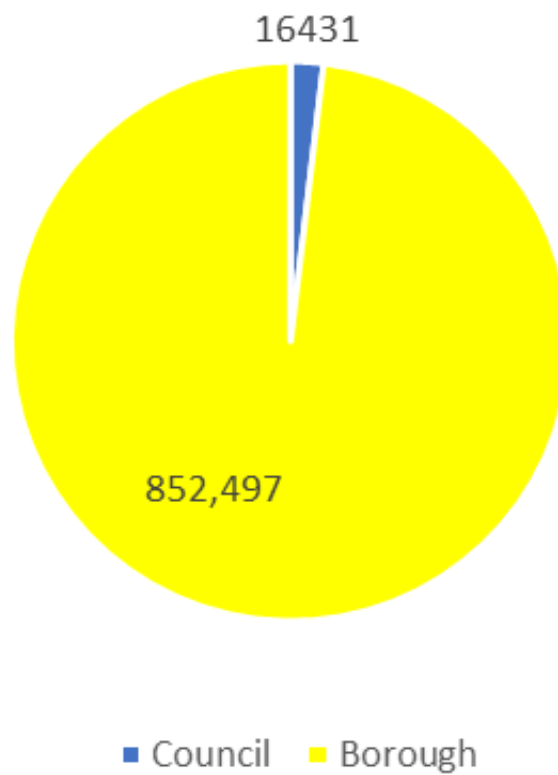
Borough carbon footprint 2005; 1423 kt CO2



Borough carbon footprint 2017; 869 kt CO2



Borough and Council Carbon Footprint



Key challenges;

- **Collective approach**
 - Govt, LA, people
 - Stakeholder engagement
 - Citizens Assembly
 - Lifestyle
 - Population
- **Efficiency**
 - Retrofit
 - New standards
 - Appliances



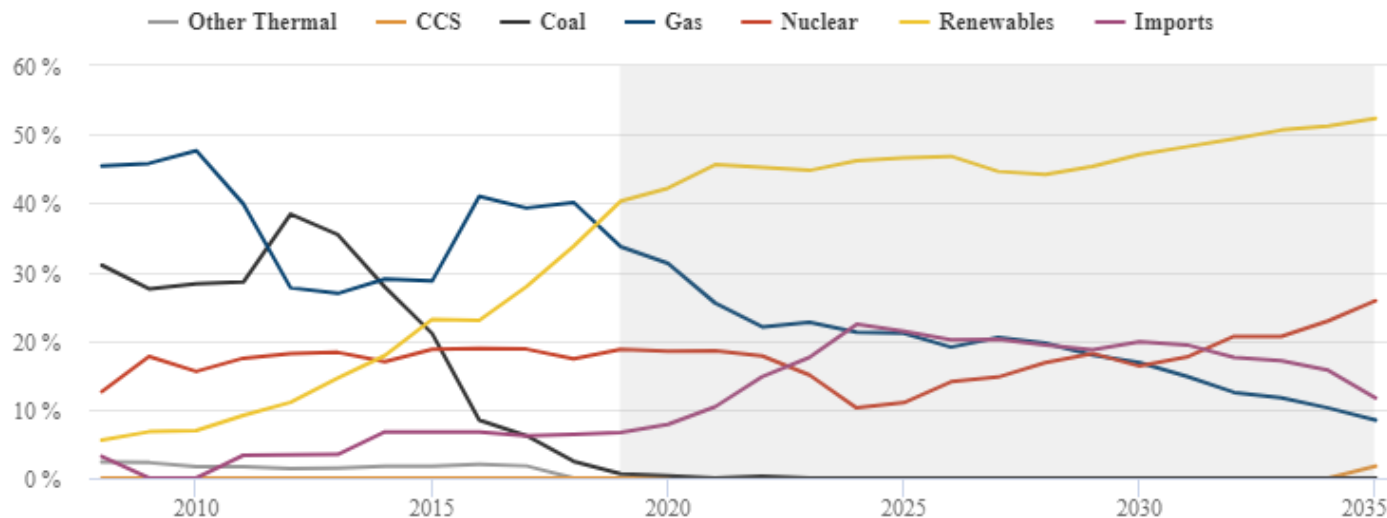
North Tyneside Council

Key challenges;

- **Cleaner power**
 - Renewables, inc imports
 - Assets
 - Hydrogen
 - CCS
 - Storage



Source: MyGridGB, BM Reports



Key challenges;

- **Cleaner heat**
 - Boiler replacement
 - Heat pumps
 - Electrification
 - Hydrogen
- **Cleaner travel**
 - Electric vehicles
 - Agile working & technology
 - Travel plans
 - Hydrogen
 - Design in modal shift

