

# Decarbonising Assets

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# Path to Net Zero

- Energy accounts for nearly 60% of GHG emissions in buildings
- Deliver energy savings in buildings by 25% by 2030
- Energy efficiency first
- Replace fossil fuels with renewable energy

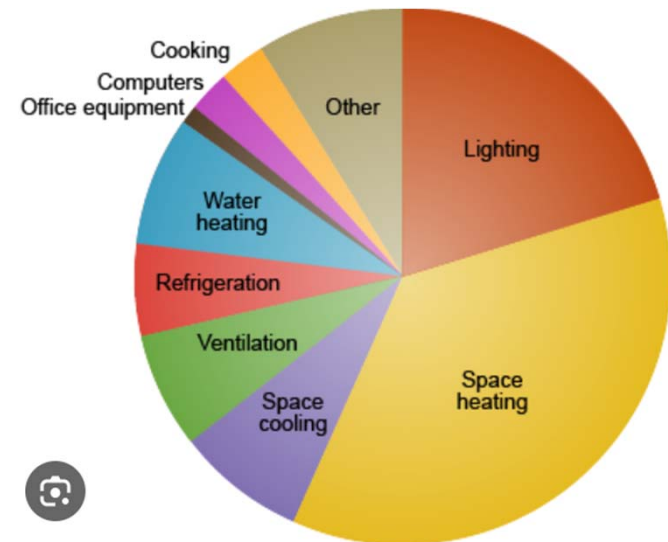


# Net zero across the estate

- Own activities or wider council area
- Gathering data on buildings
- Benchmarking activities
- Opportunities for reducing energy,
- Energy efficiency, renewables, heat networks

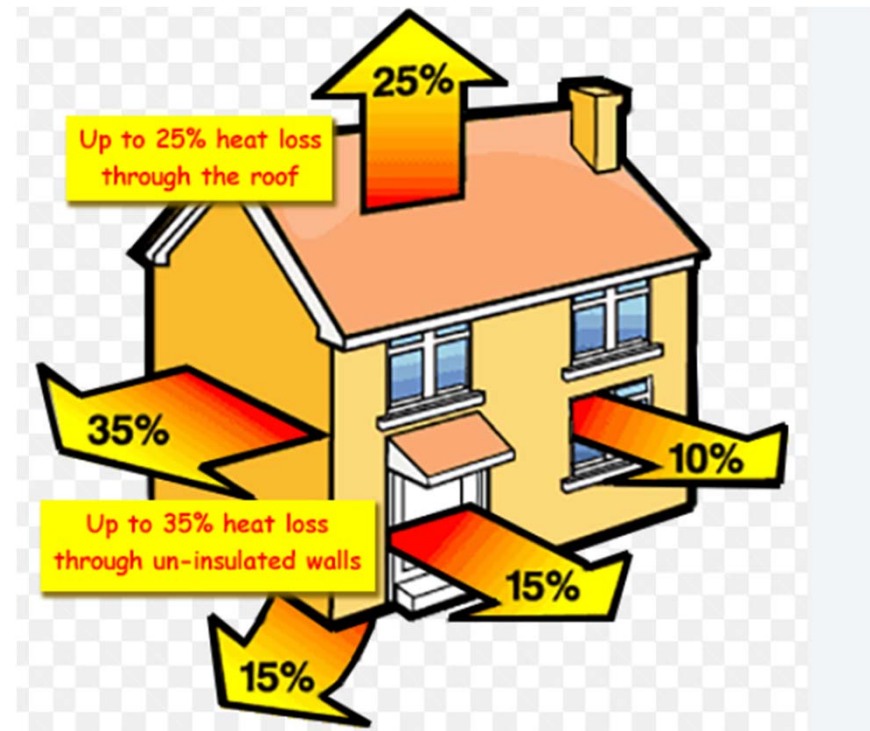
# Consider building's energy consumption

- Building fabric
- Heating, ventilation & controls
- Power and lighting
- Renewable energy



# Building fabric

- Walls,
  - Cavity wall insulation
  - External wall insulation
  - Internal wall insulation
- Roof
  - Insulation levels
  - Opportunities to upgrade
- Windows
  - Single, double, triple



# Heating system & controls

- Boiler
  - Age, fuel, size
- Controls
  - Time and temperature
  - Number of zones
- Alternatives
  - Renewable gas
  - Heat pump
  - Biofuels

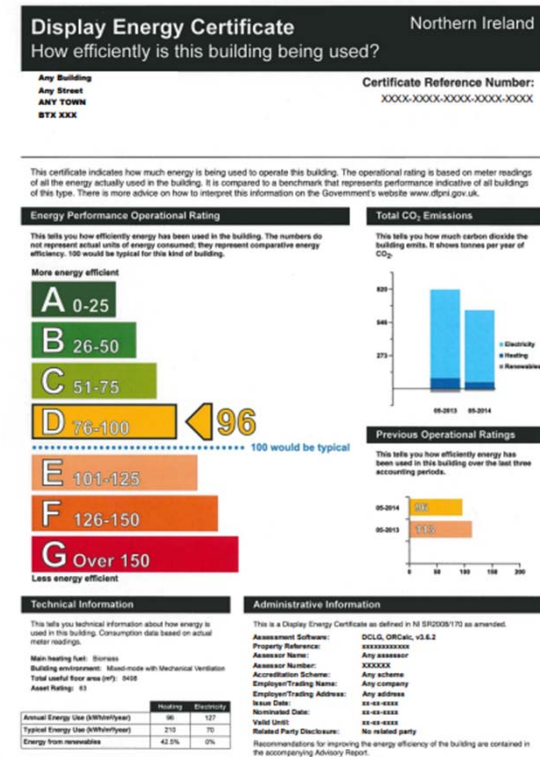


# Lighting survey

- Substantial contribution to energy within a building
- Upgrade fluorescent to LED
- Room by room lighting survey
- Opportunities for controls / sensors
- Calculation of savings in kWh, £, CO<sub>2</sub>

# Energy Consumption

- Electricity
- Natural gas
- Oil
- LPG
- Renewables
- Display energy certificates





# NI Gas Network

## NI Gas Network Pathway to Net- Zero

Northern Ireland's five Gas Network Operators have launched their joint plan to fully decarbonise the region's gas network by 2050.

- £1bn network of pipework
- Estimate 430k properties connected 2030
- 15% renewables by 2030
- 75% renewable by 2040
- 100% renewables by 2050

# **NEW MUNICIPALISM**

Delivering for local people and local economies

# Contact details

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