



RESILIENT

BELFAST

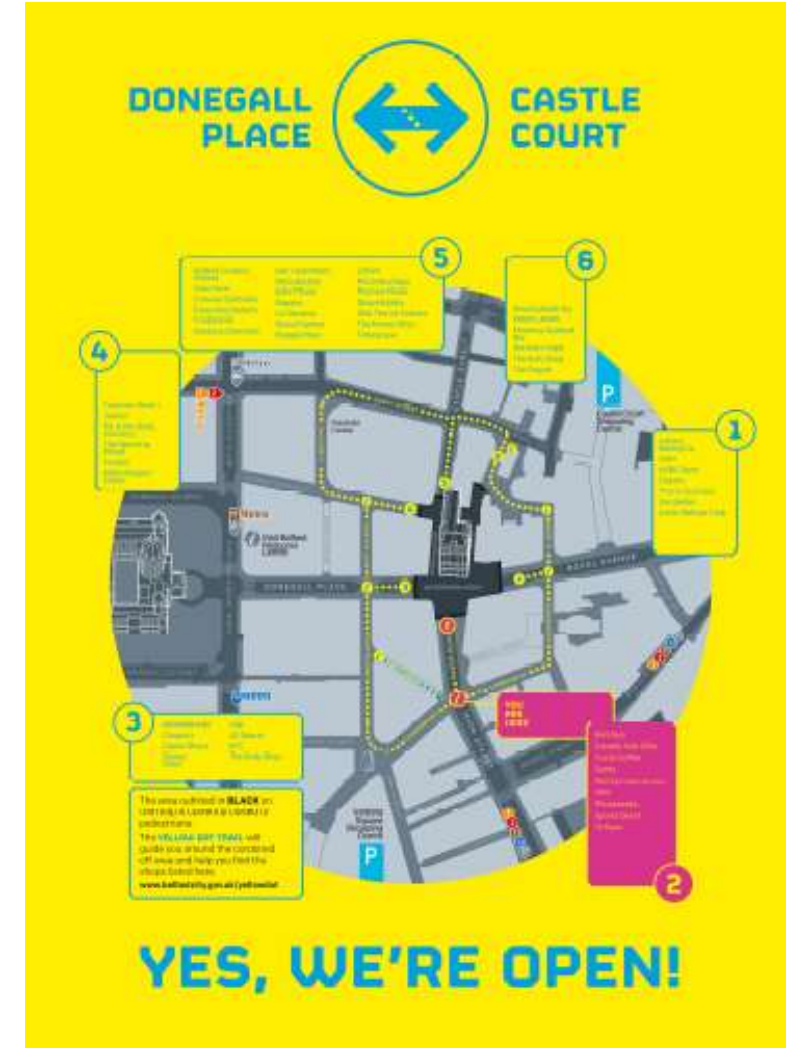
Vision

Our vision for Belfast in 2035

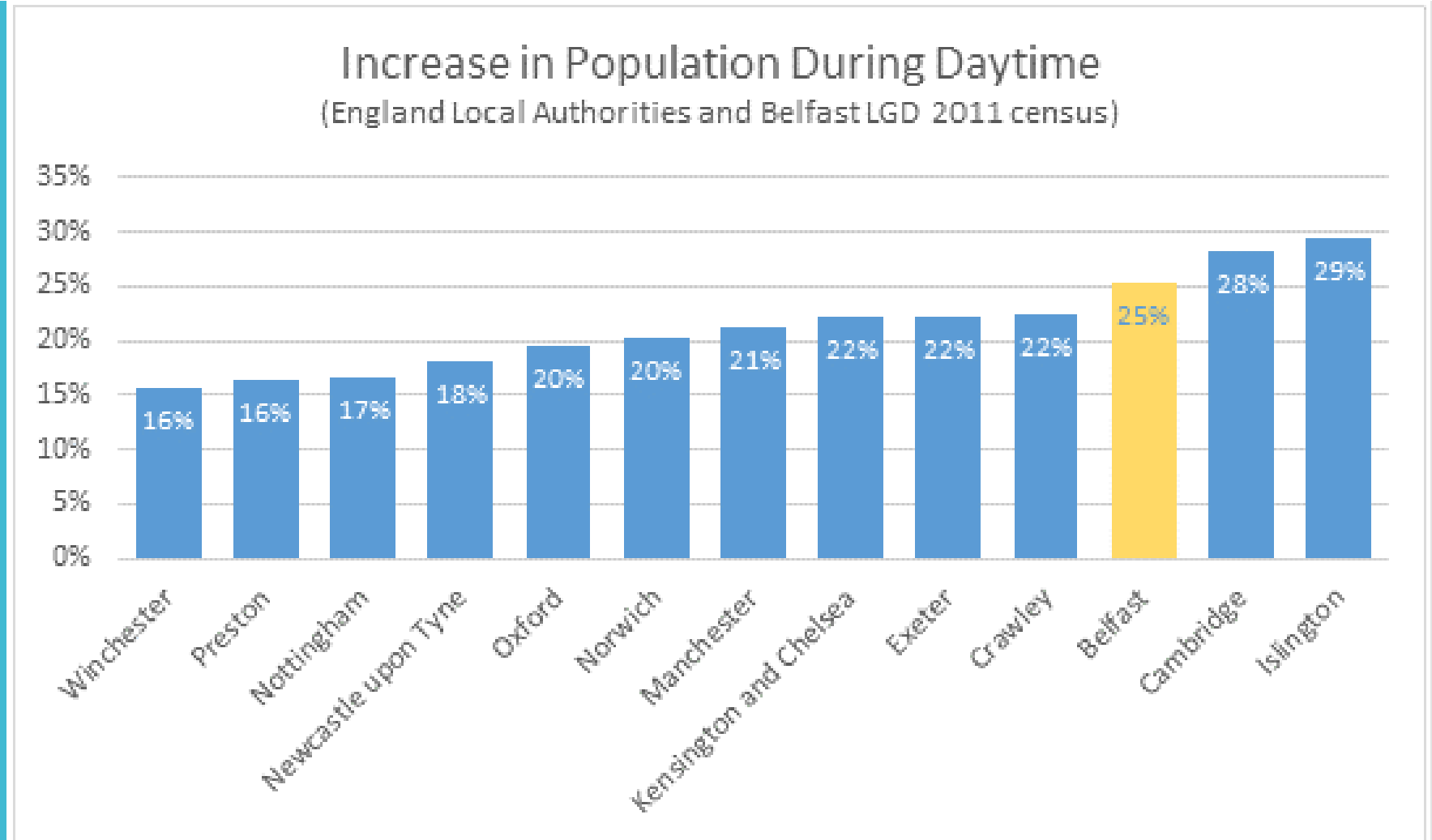
Belfast will be a city re-imagined and resurgent. A great place to live and work for everyone.

Beautiful, well connected and culturally vibrant, it will be a sustainable city shared and loved by all its citizens, free from the legacy of conflict. A compassionate city offering opportunities for everyone. A confident and successful city energising a dynamic and prosperous city region. A magnet for talent and business and admired around the world. A city people dream to visit.





Numbers
travelling into
Belfast to work

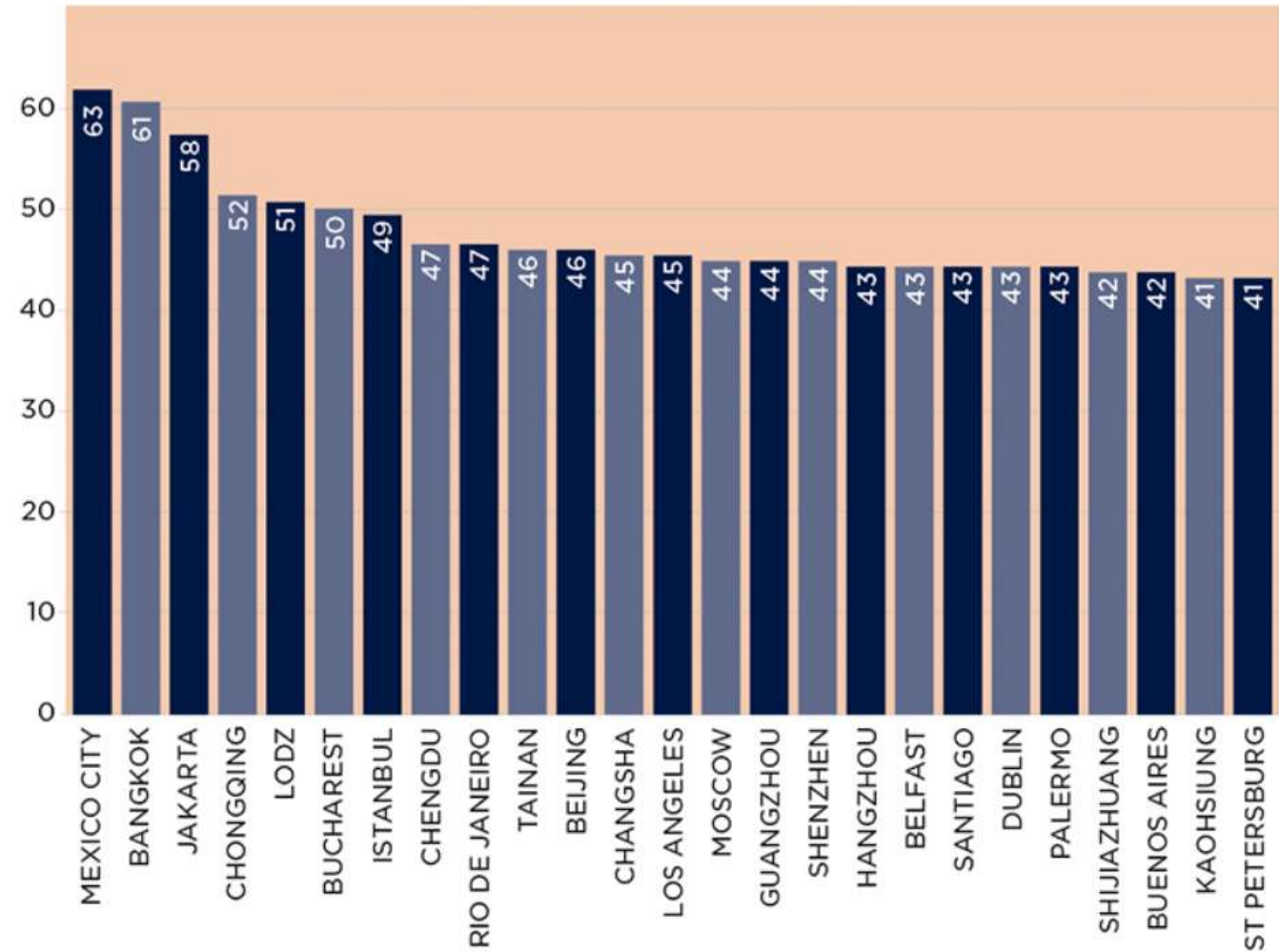


Prevalence of hard infrastructure



Levels of congestion...

Top 25 Global Congested Cities. Increase in travel times compared with free-flowing traffic.



Source: *TomTom Traffic Index* Note: *Percentage increase in overall travel time compared with free-flowing traffic

Sea-level rise

Increase will generally be greater in the south than in the north

■ Range in low emission scenario ■ Range in high emission scenario

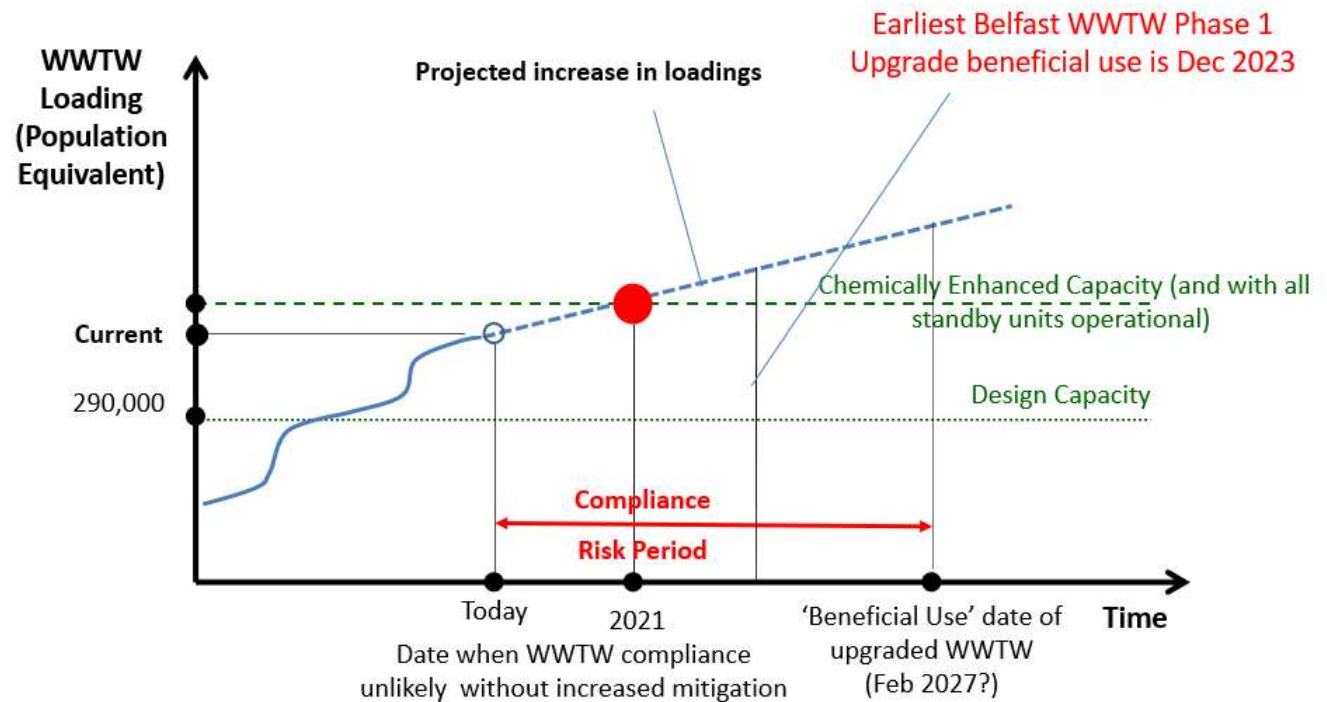
(by 2100 relative to 1981-2000)



Major
potential to
constrain
growth



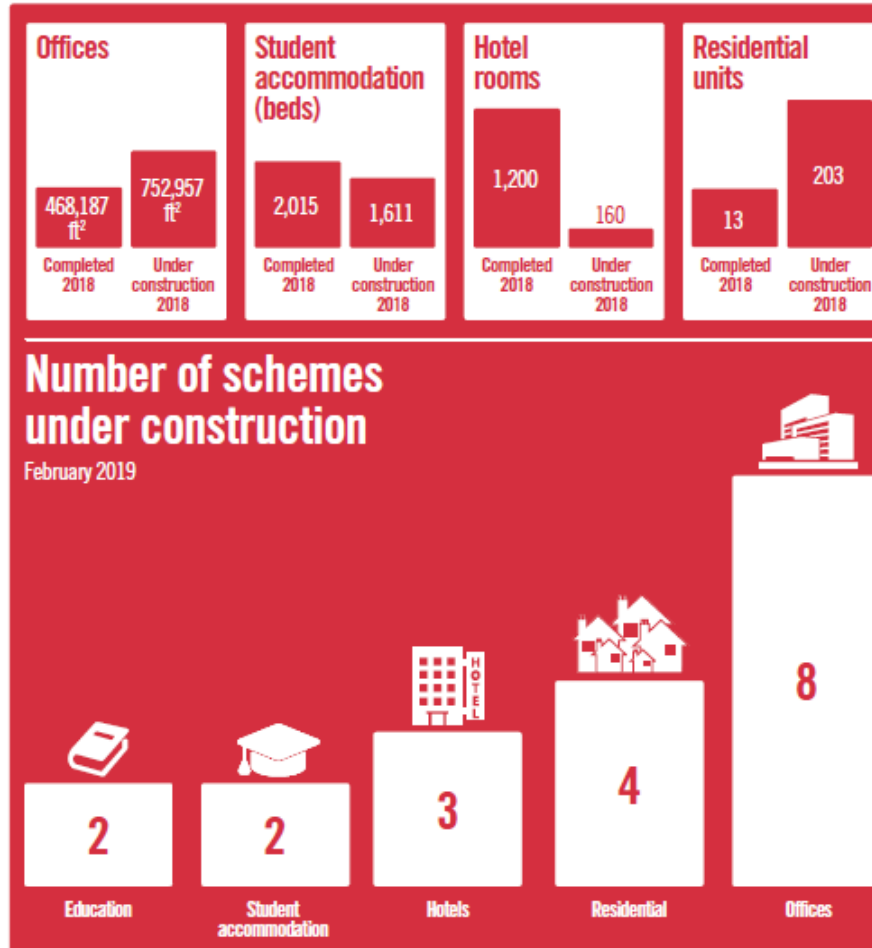
Belfast WWTW Capacity Challenge



Pace of residential development in city core

City development

Belfast Region City Deal
partners secured
£850m
co-investment
BRCD, 2018



Characteristics unique to NI and Belfast

- Nearly 30% of GHGs in NI are from agriculture, compared with 10% in the UK
- More than 60% of homes in NI reliant on oil for heating
- Fuel poverty consistently high- a quarter of homes
- Forest coverage 40% lower in Northern Ireland than rest of UK
- £1bn shortfall for investment in social housing stock- a further £318m to make NIHE social housing stock in Belfast energy efficient.
- Prevalence of micro businesses and SMEs- without capacity to respond to climate risks



Not all doom and gloom!

The good news...

- NI has exceeded its target of 40% of energy to come from renewable sources- a year early
- Rapidly growing renewables industry with capacity to innovate further
- Non-renewables industry decarbonising
- City Deal with Treasury- core focus on innovation
- 35% of our population are 25 and under...behavioural change already taking place
- Single energy market on the island of Ireland
- Smaller land mass means less 'range anxiety' as we transition to EV
- Our ability to network... 100 Resilient Cities; P-CAN etc.

Where we are today...

- Belfast Climate Commission
- Priority for Lord Mayor and cooperation across parties
- City wide structure- Resilience and Sustainability Board – all city partners
- Business sector coming together to plan
- Mini-Stern Review
- Mapping major risks to our infrastructure
- Examining international practice

Some lessons already learned...

- Climate resilience/climate action at a city level is an economic and social priority
- No one organisation can own the problem or all of the solutions
- Requires large scale institutional coordination and planning (Copenhagen)
- GDP @ Risk- can we afford not to?
- Science based targets are critical but clarity required on HOW to meet them....



100

RESILIENT

CITIES

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