



FROM AMBITION TO ACTION: THE DECADE OF DELIVERY

Dr. Sam Gardner Chair Edinburgh Climate Commission





Edinburgh Climate Commission

Independent group working together to **accelerate climate action and impact in Edinburgh.**

Launched in February 2020 it aims to:

- Identify and address Edinburgh's challenges to meeting climate targets
- Support the city's transition to net zero emissions by 2030
- Catalyse action, challenge the city's decision makers and convene stakeholders
- Act as a forum where organisations can exchange ideas, findings and best practice on carbon reduction and climate resilience

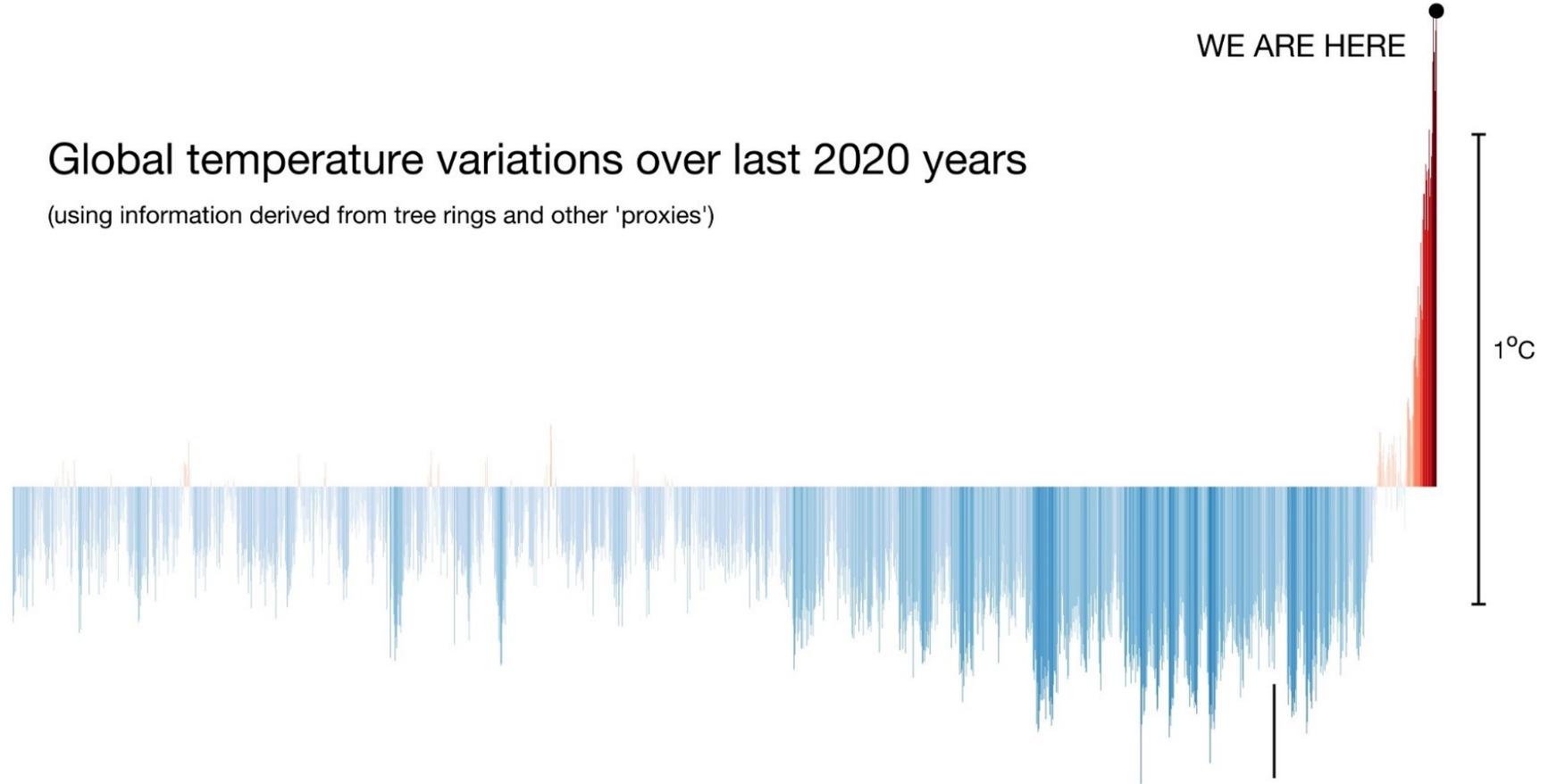
The work of the Commission is co-sponsored by the [City of Edinburgh Council](#) and the [Edinburgh Climate Change Institute](#) at the University of Edinburgh. We are also part of the [Place-based Climate Action Network \(PCAN\)](#).





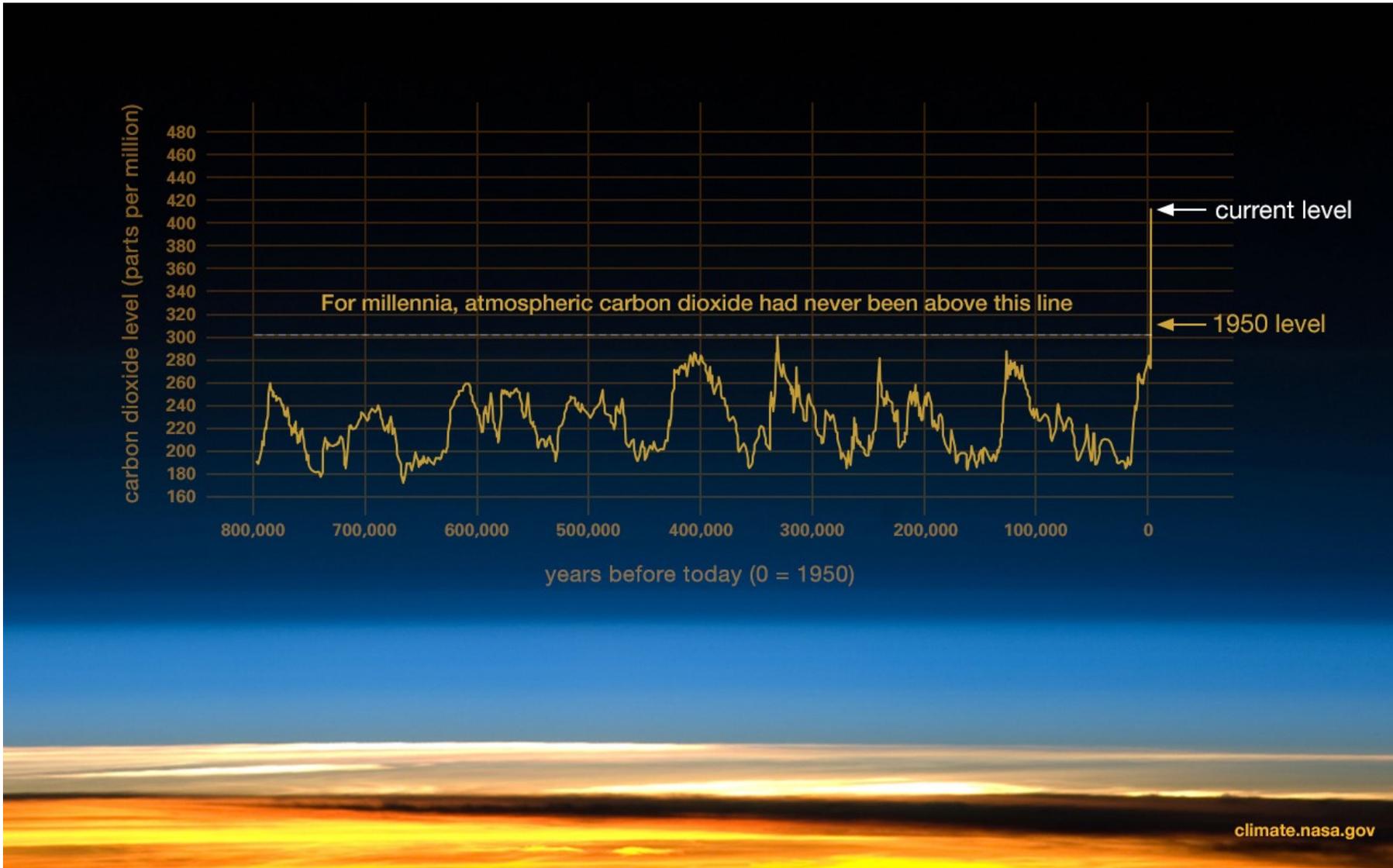
Global temperature variations over last 2020 years

(using information derived from tree rings and other 'proxies')



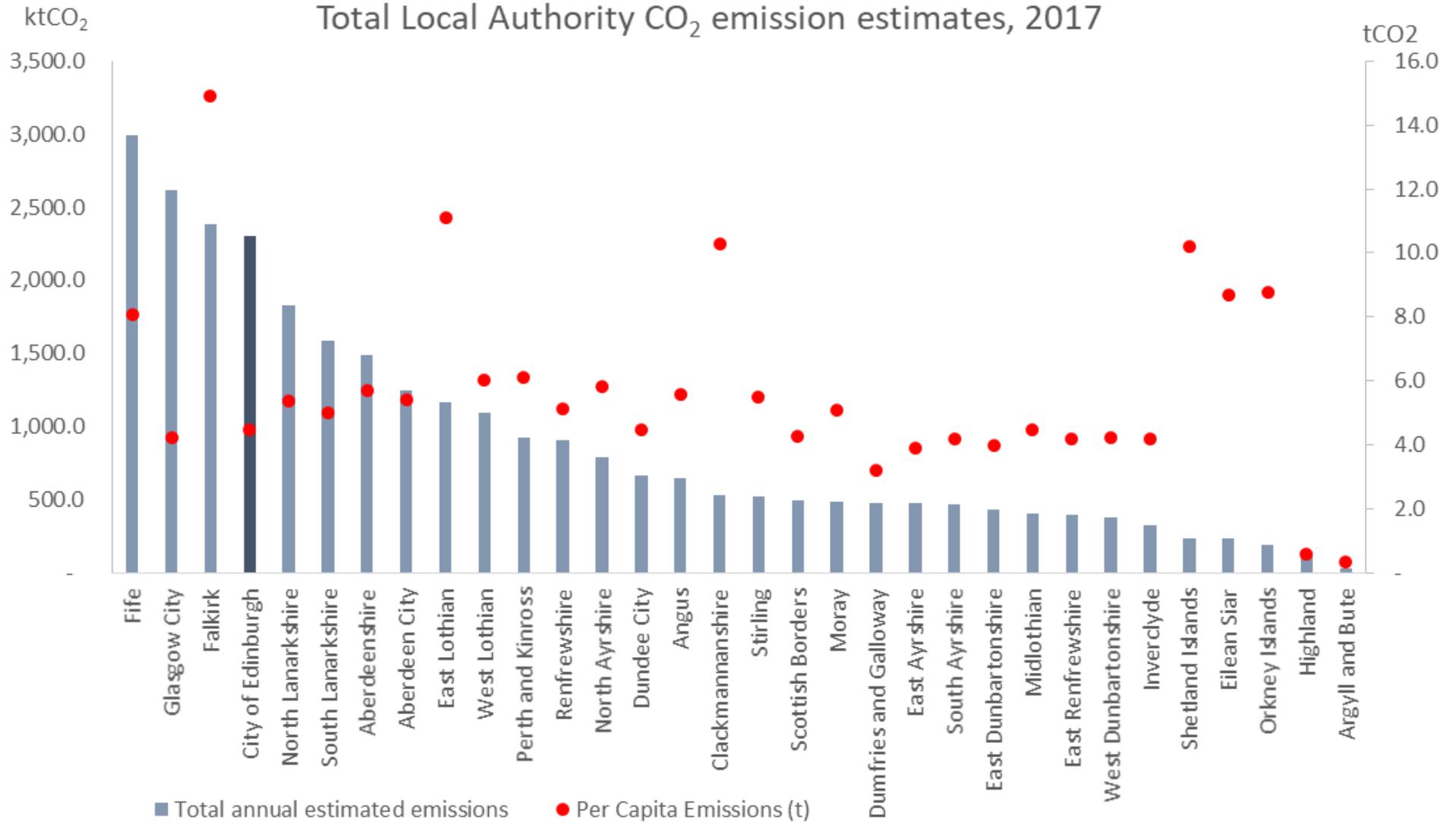
Graphic: @ed_hawkins
 Data: PAGES2k (years 1-2000) and HadCRUT5.0 (2001-2020)
 Reference period: 1901-2000

Invention of steam engine



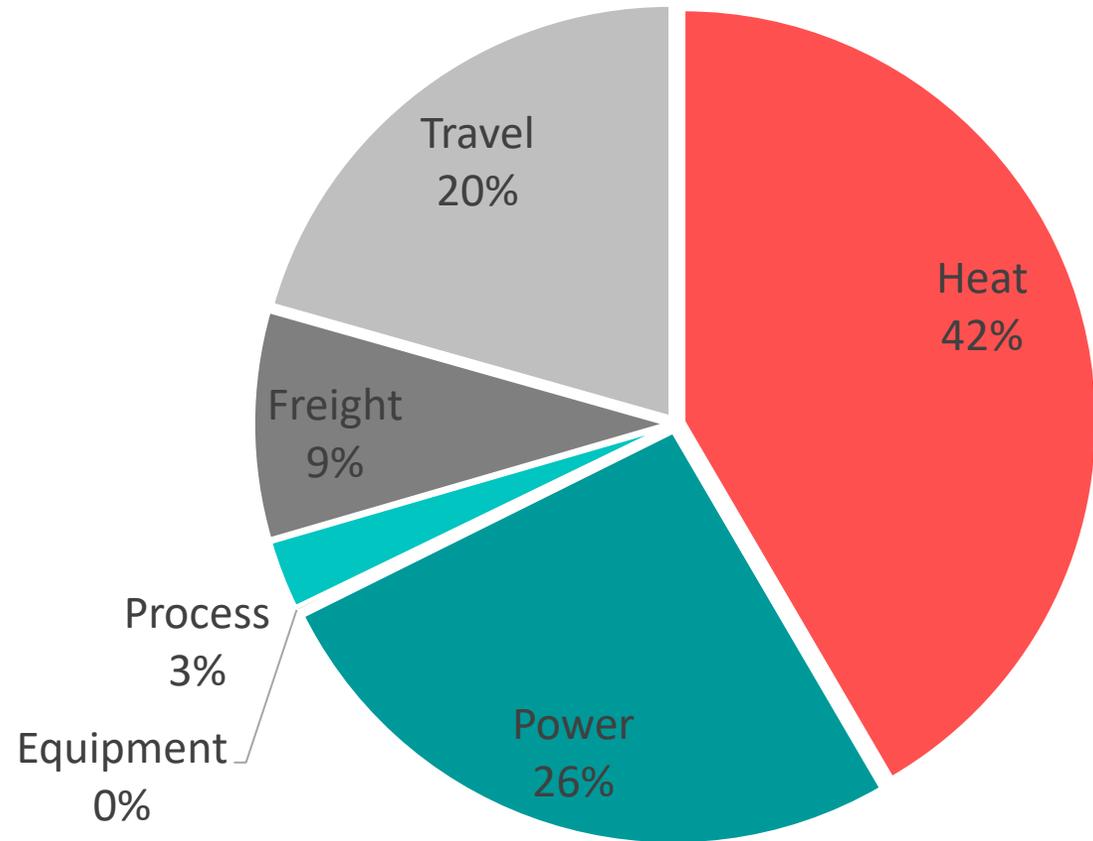


Total Local Authority CO₂ emission estimates, 2017

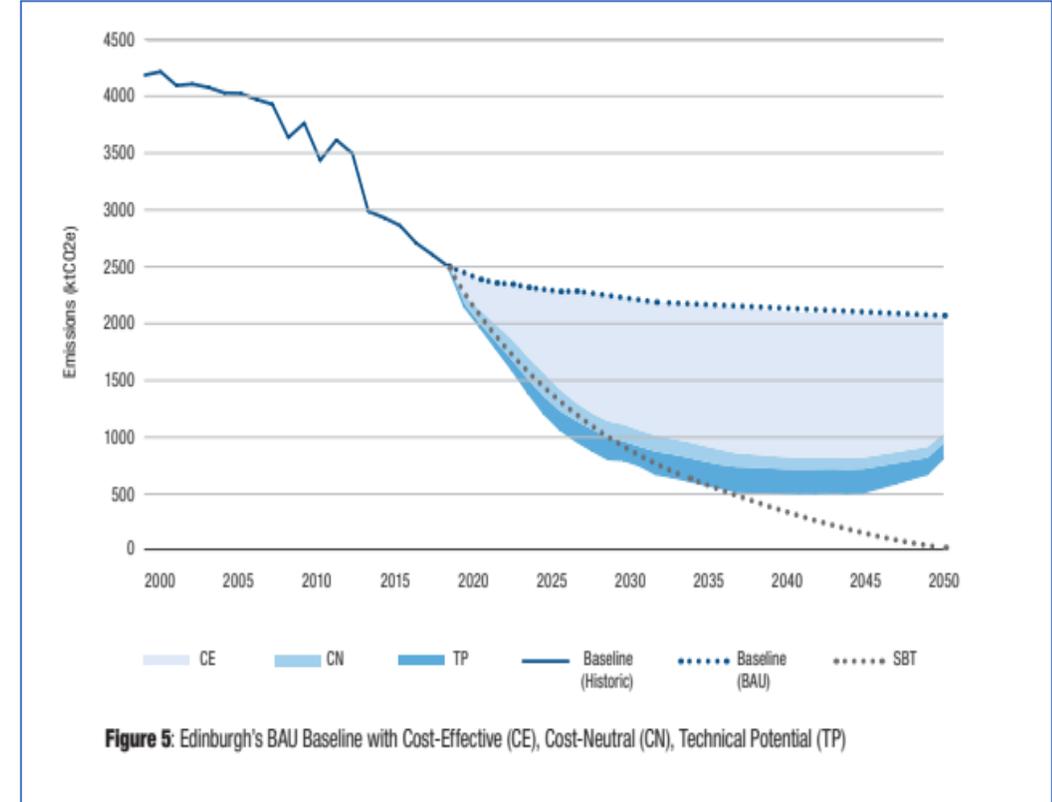
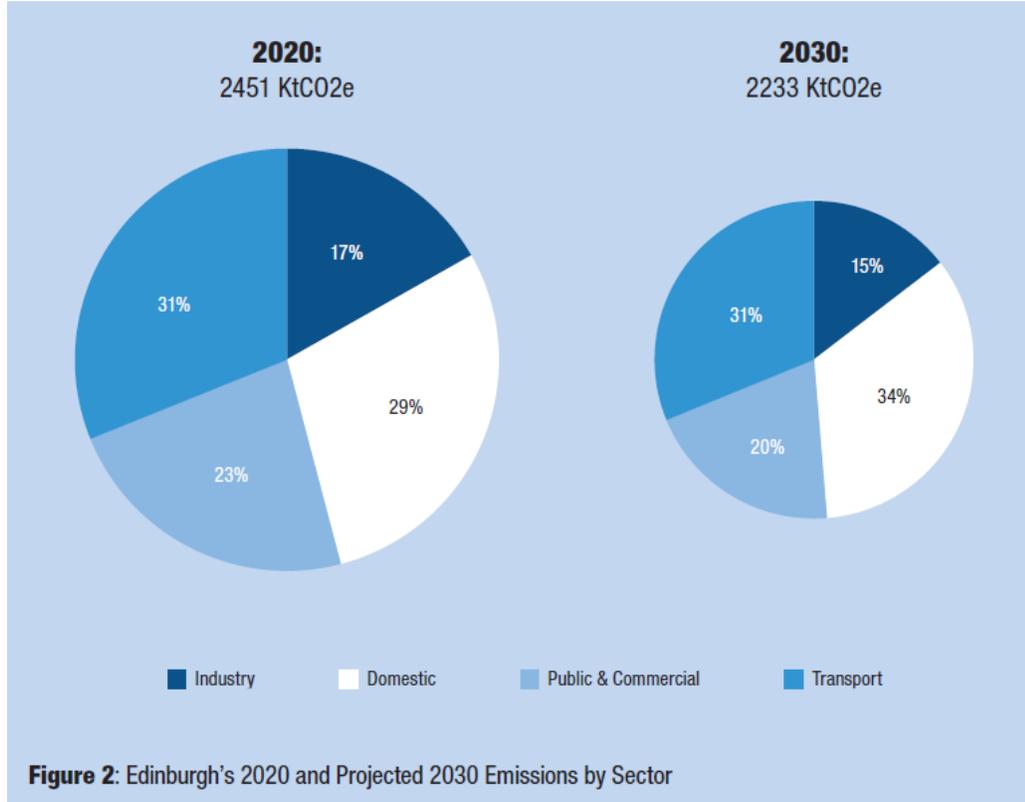


Split of footprint by activity

1. Largest source of emissions from heat
2. Travel and freight contribute 29%
3. Power and process contribute 29%
4. Total is 2.207 MtCO₂e

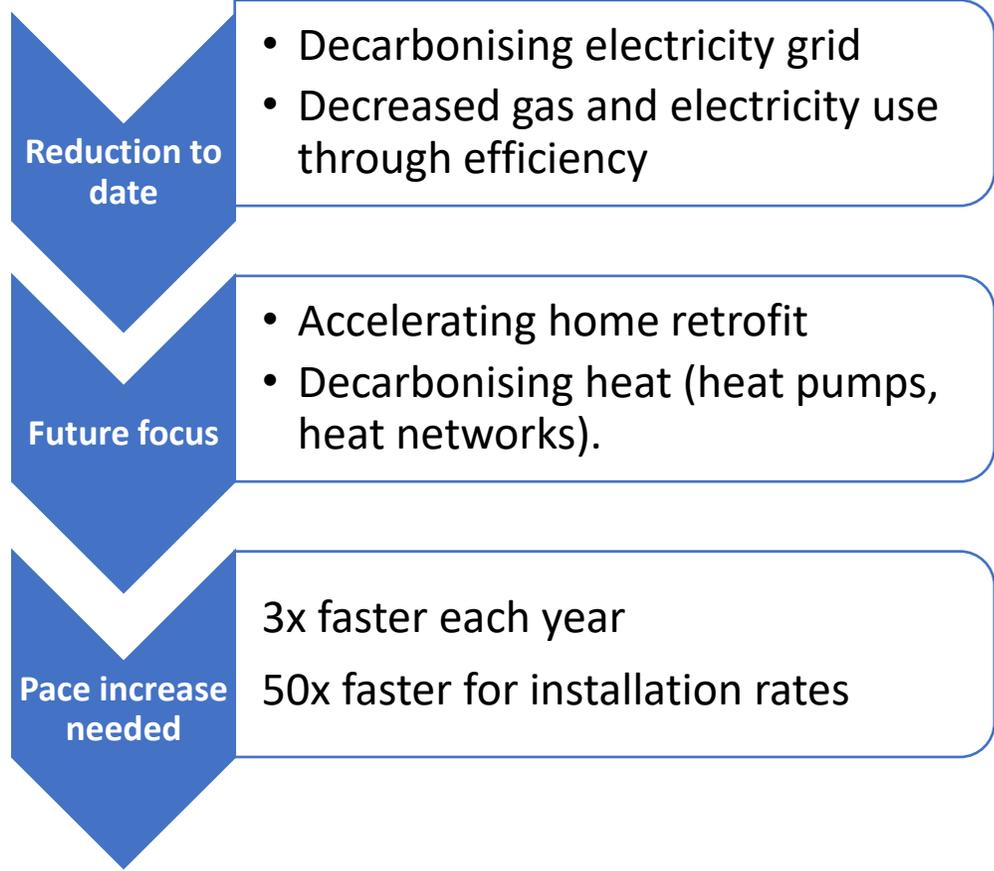
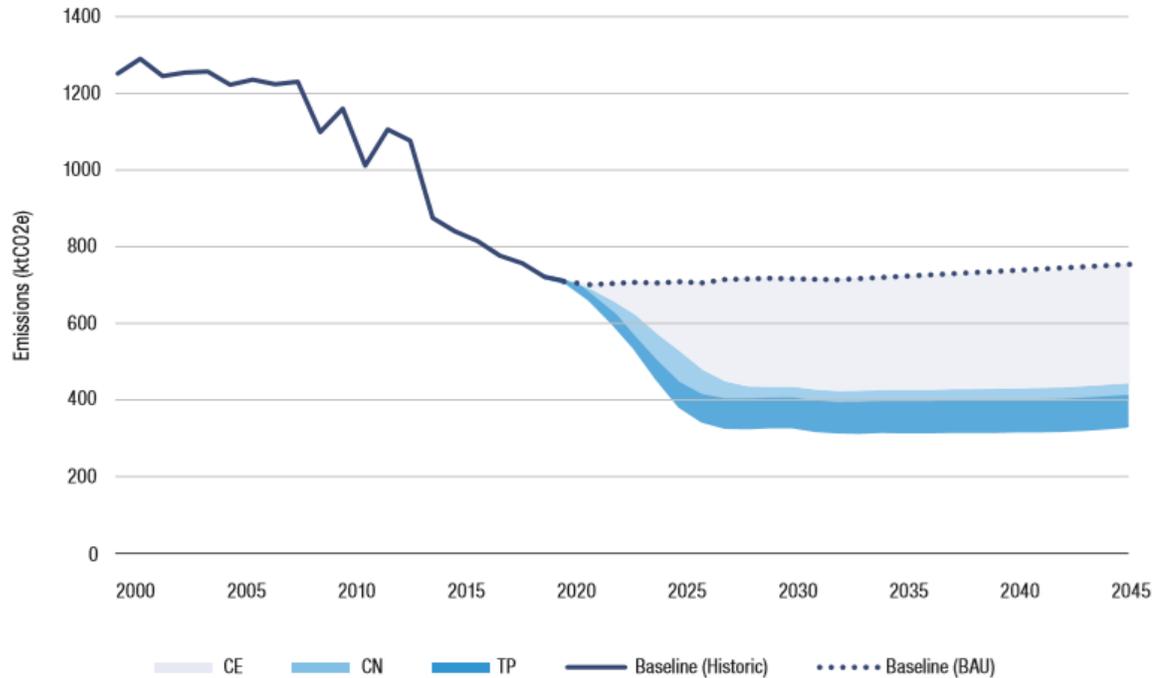


Edinburgh's Emissions Footprint



Reductions needed by sector

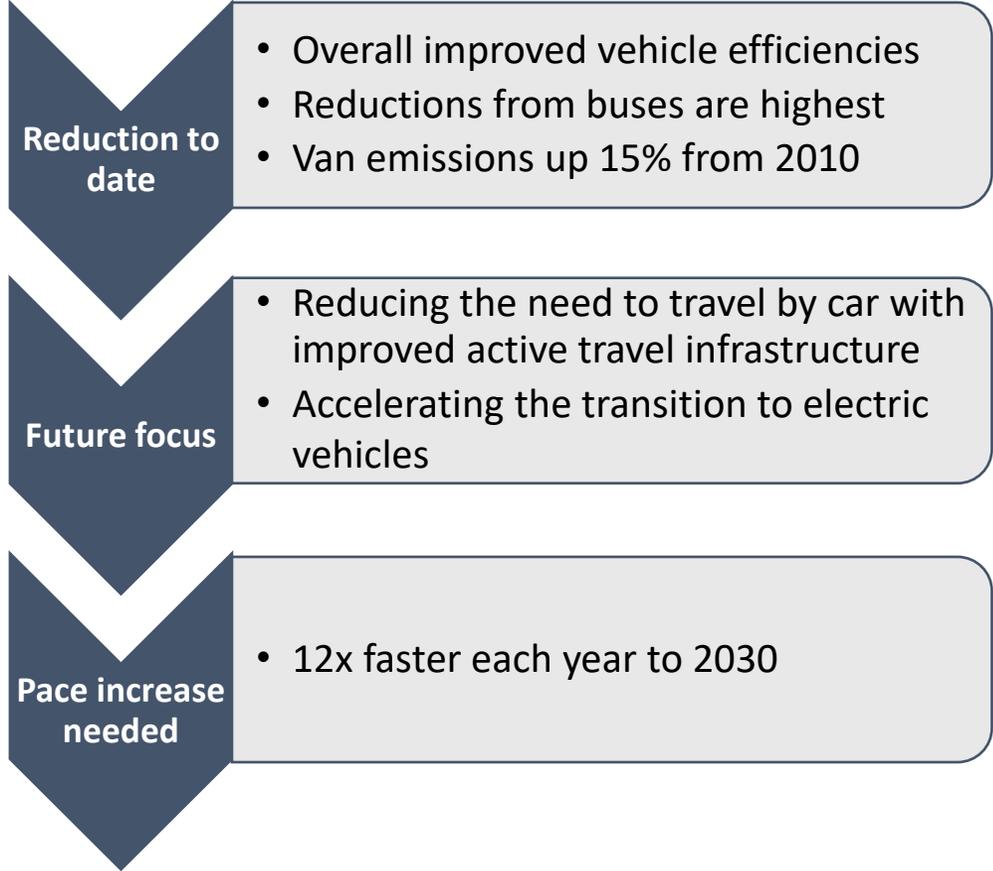
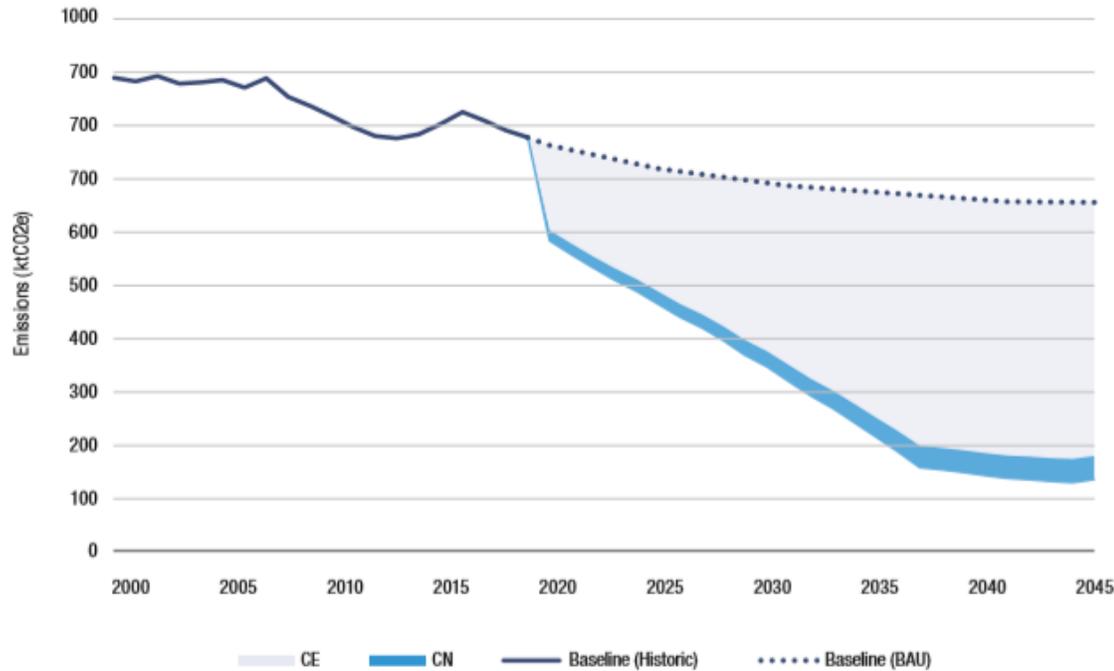
Domestic housing



Housing BAU Baseline with Cost-Effective, Cost-Neutral and Technical Potential Scenarios. (PCAN Net Zero Roadmap)

Reductions needed by sector

Transport



Transport BAU Baseline with Cost-Effective, Cost-Neutral and Technical Potential Scenarios. (PCAN Net Zero Roadmap)

Cost Neutral Measures

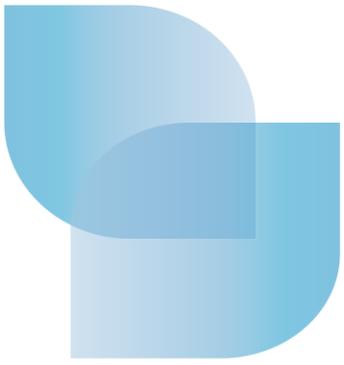
Climate Impact	57% Reduction in Overall Emissions
Return on Investment	Economic Return on Commercial Terms £535M/year in Energy Cost Savings across the city Payback in 12.5 years
Economic Opportunities	18,235 Years of Employment Created Savings for Individuals, Businesses & Communities
Social, Environmental and Economic Benefits	Improved Public Health Reduced Fuel Poverty Improved Economic Productivity

Investment Required £7.492 Bn

A scenic view of Edinburgh Castle at sunset. The castle's stone walls and towers are silhouetted against a vibrant, orange and yellow sky. In the foreground, a stone wall runs along a path where several people are walking. Below the castle, the city of Edinburgh is visible, with its buildings and streets illuminated by the setting sun. The overall atmosphere is warm and dramatic.

Criteria for delivery:

- **Coordination**
- **Collaboration**
- **Learning while doing**
- **Acceleration**
- **Engagement**
- **Fairness**



Thank you and any questions?



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