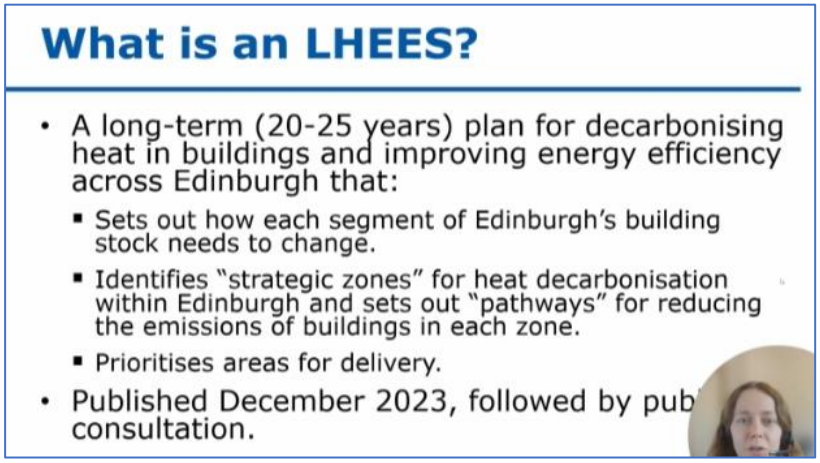
Edinburgh Development Forum 10 December 2024

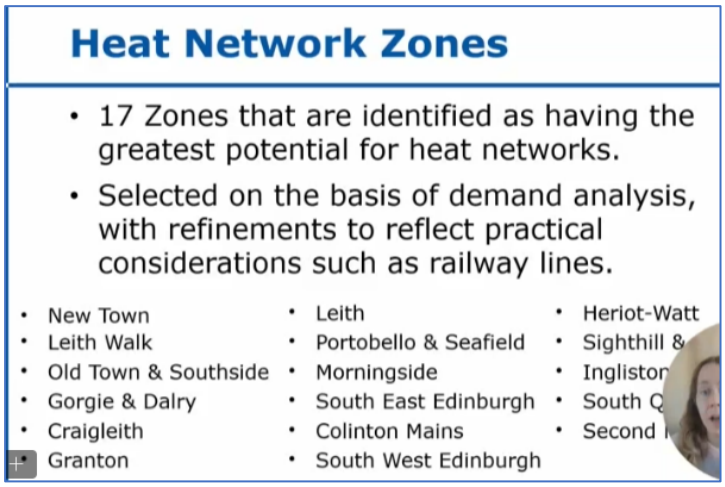
Updates:
1: Ongoing:
City Plan 2030:
Formally adopted 7 November.
Work now on update of Edinburgh Design Guidance and on Evidence Report building stage of City Plan 2040. Comprehensive, in-depth engagement 'with all relevant parties' will follow the Evidence Report stage.

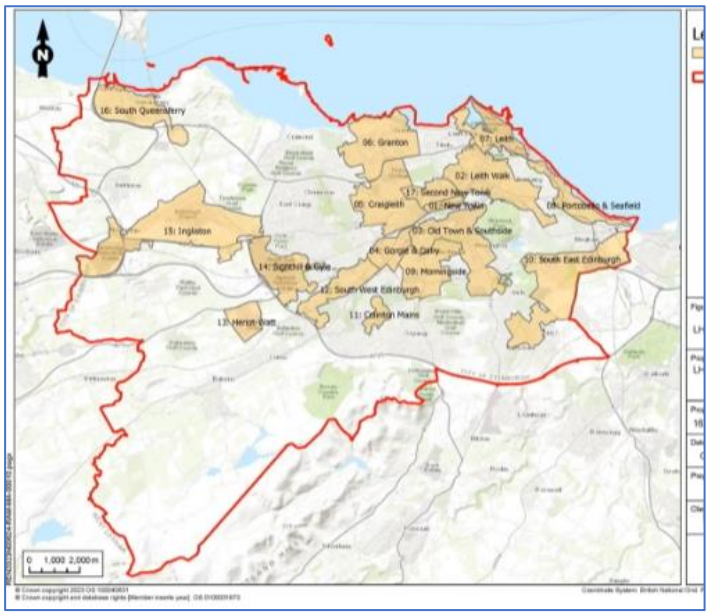
Princes Street and Waverley Valley Consultation closes 21 Feb 2025.
Consultations going live soon: Edinburgh Design Guidance / Householder Guidance / Building and Conservation Area Guidance

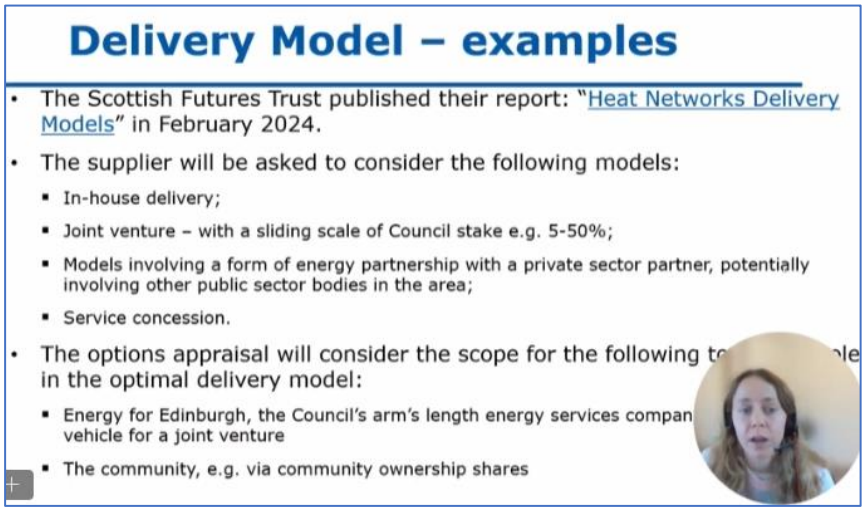
2: Edinburgh Local Heat and Energy Efficiency Strategy (Hilary Blackman)
See: Local Heat and Energy Efficiency Strategy (LHEES) – The City of Edinburgh Council
Look for the interactive map feature for your area.



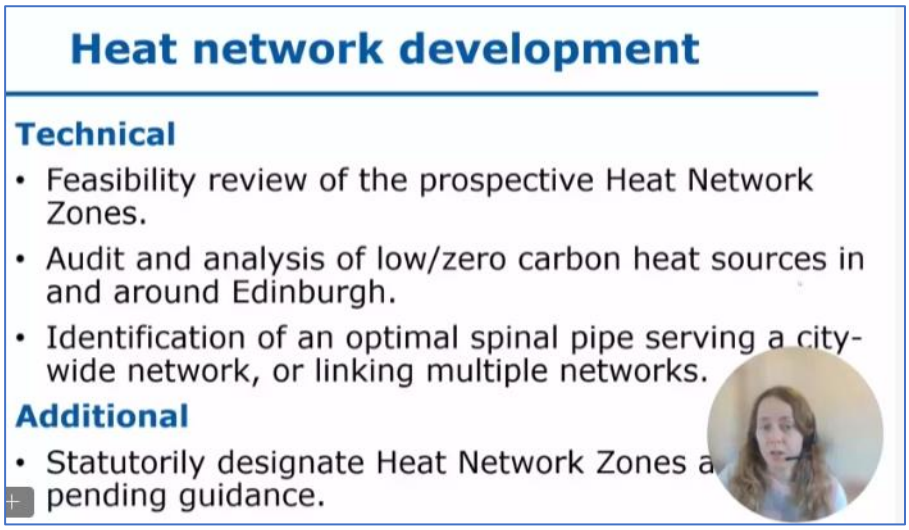
Every Scottish Local Authority (32) required to produce a strategy. (How will Scot Gov then 'coordinate'?)





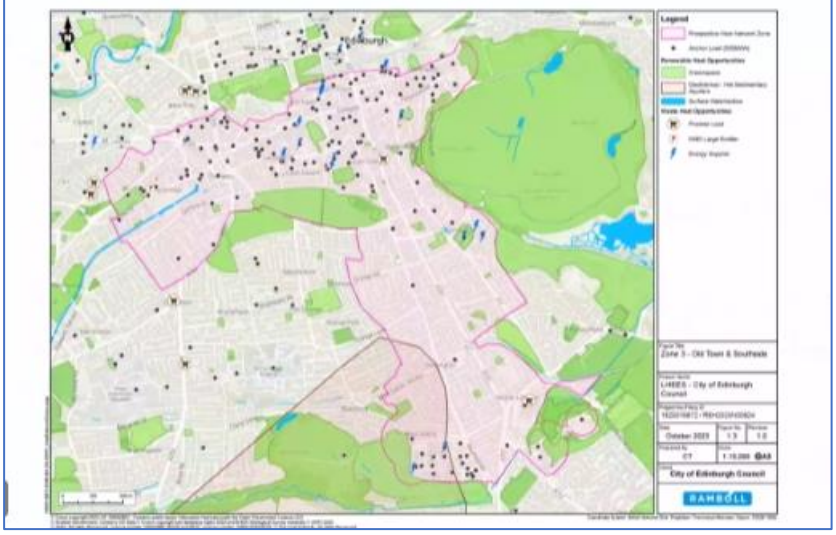


Proposals on Delivery Model go to the Policy & Sustainability Committee in March 2025. (Brodies LLP assisting – A key element will be the framework of a Customer Service Charter (service delivery, costs, recourse) to safeguard consumers 'locked in' (permanently) to a single source heat provider.)



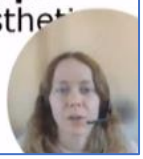
Feasibility illustrations:

Old Town & Southside



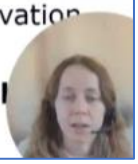
Why the Old Town?

- The largest zone: **12,736 loads** (**149 anchor loads**) and **706,174 MWh** of annual heat demand
- Strong **interest** from key stakeholders – multiple public and private organisations.
- The alternative – **air source heat pumps** – will be challenging for practical and aesthe reasons.
- **Symbolically** important.

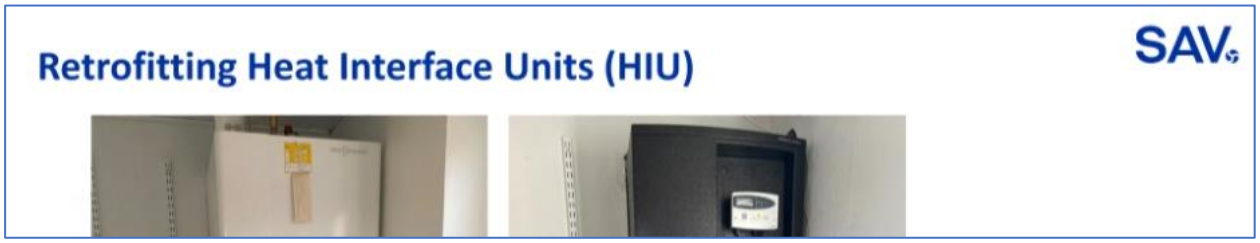


Why Leith/Leith Walk/Seafield?

- Significant demand: **20,171 loads** (**85 anchor loads**) and **264,600 MWh** of annual heat demand.
- Opportunity to work closely with **NZELB partner organisations** – multiple public and private organisations in the area.
- Leith Walk – **highest population density in Edinburgh** – presence of tenements, conservation areas and mixed tenure buildings.
- Considerable **heat opportunity from Seafiel** wastewater treatment and the sea.



In practice:

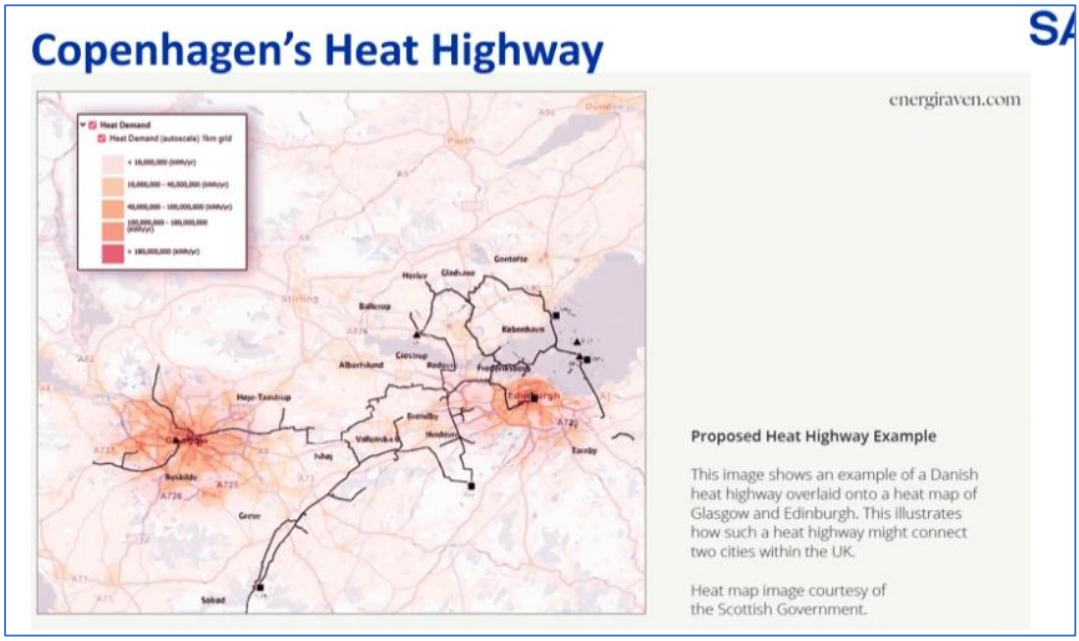


Check this:
[Excess heat is world's largest untapped source of energy | Danfoss]

And: Data Centers and Energy: Reaching sustainability
[BE491240305282en-010101.pdf]

Data Centres will need 6x more electricity than can be generated(!)
That said, the heat generated by data storage can provide an array of energy services for re-use.

Concept



Concept: Superimposed on the Central Belt.

Concept:

Concept: Twin energy havens for Edinburgh

Practicalities:
Very considerable street upheaval comes with ‘spine and network installation’
Reassurance needed on ‘heat loss in transmission’ numbers.
Massive financial outlay. What role does Scot Gov / Scottish National Investment Bank play?
Does network installation complement / impeded / distort ‘Our Future Streets’ programme?

3:

Our Future Streets

a 'circulation plan' for Edinburgh

George King - Senior Project Manager

Transport, Strategy & Partnerships - The City of Edinburgh Council

10 December 2024 – Edinburgh Development Forum

A reimagining of public space use, footfall, cycleway and road vehicle access across the city:

What is 'Our Future Streets'?

Edinburgh's City Mobility Plan

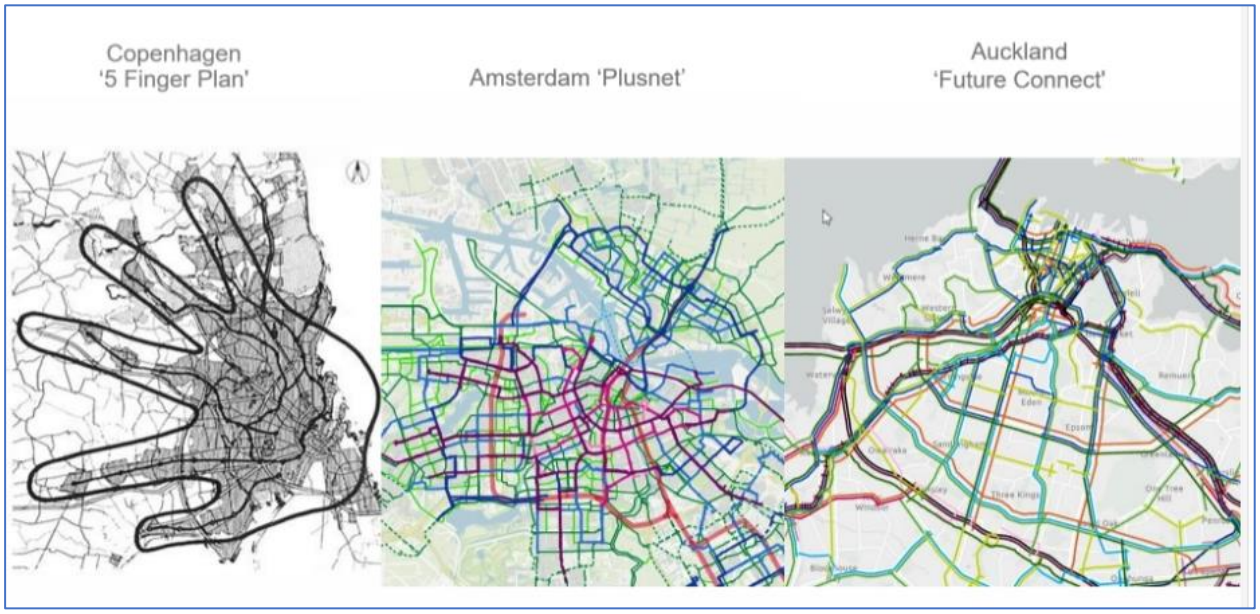
- Net zero 2030, reduce car kms 30% by 2030, health, equity, economy
- City Centre Transformation – placemaking, pedestrian priority
- City Plan 2030, sustainable population/tourism growth

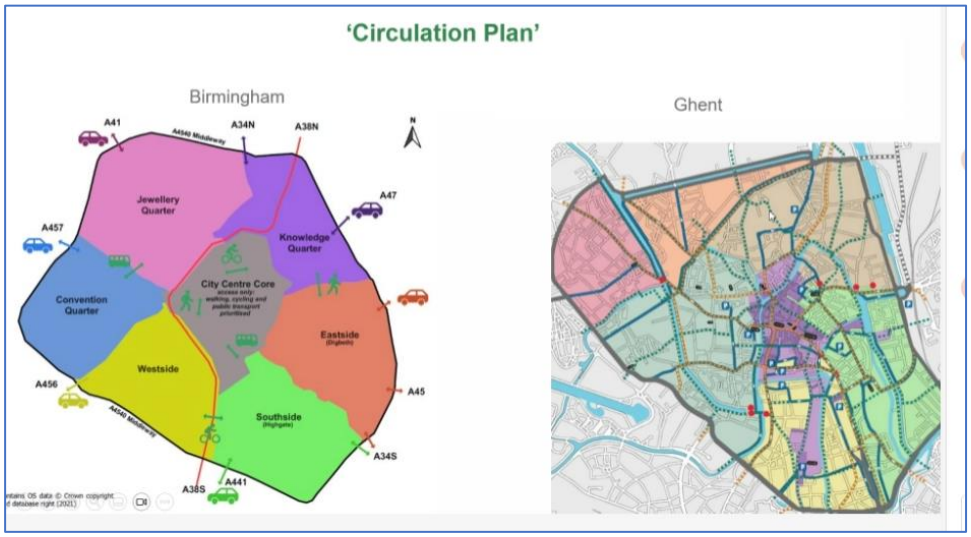
Our Future Streets

- Framework for long-term integrated planning
- Method for allocating street-space - prioritising 'place' and sustainable modes
- Remove through traffic from city centre, rationalise networks

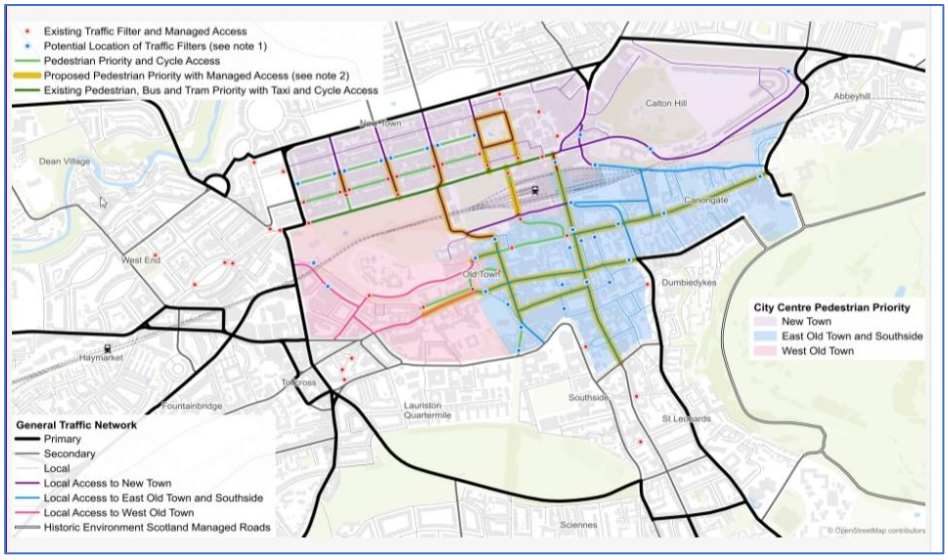
George Street transformation (at considerable expense)

Lessons and ideas from elsewhere:

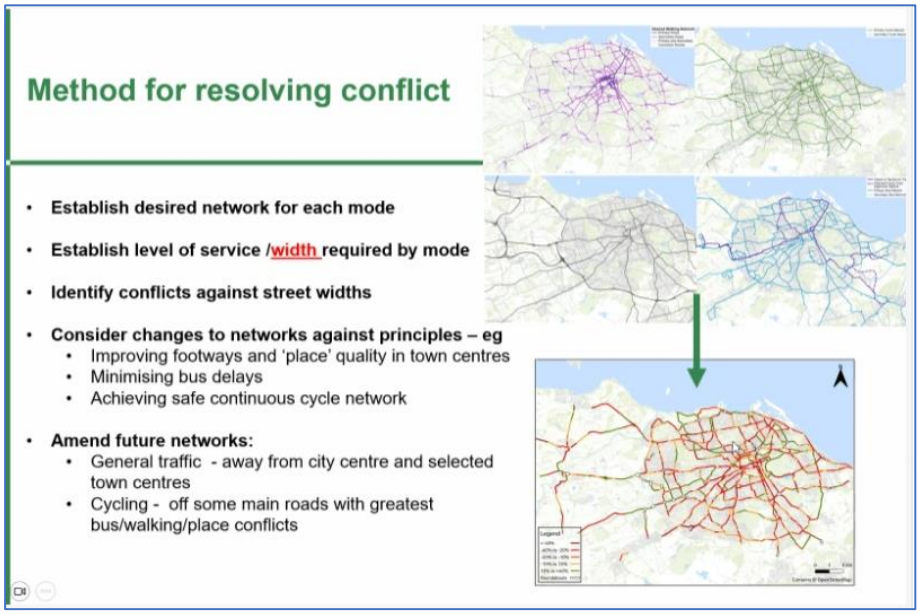




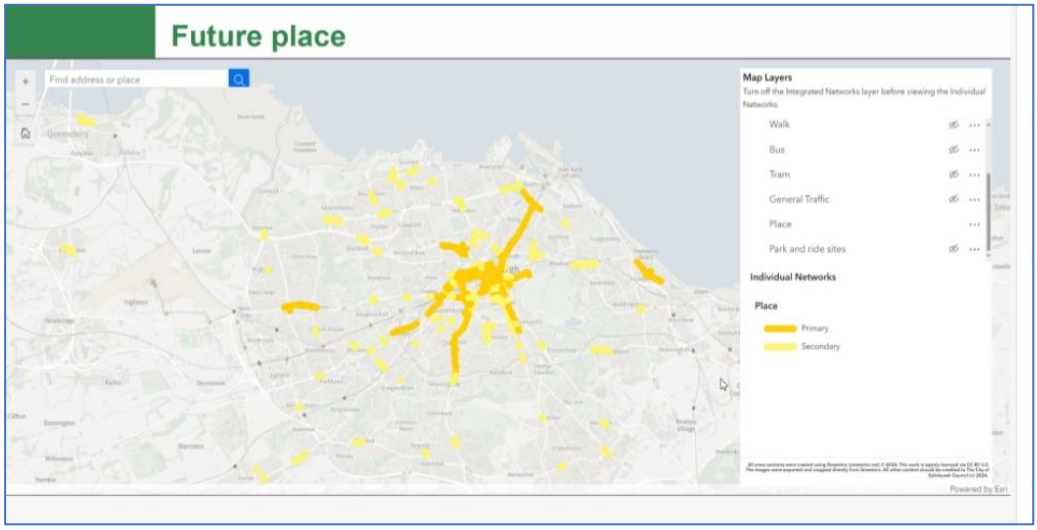
In an Edinburgh setting:

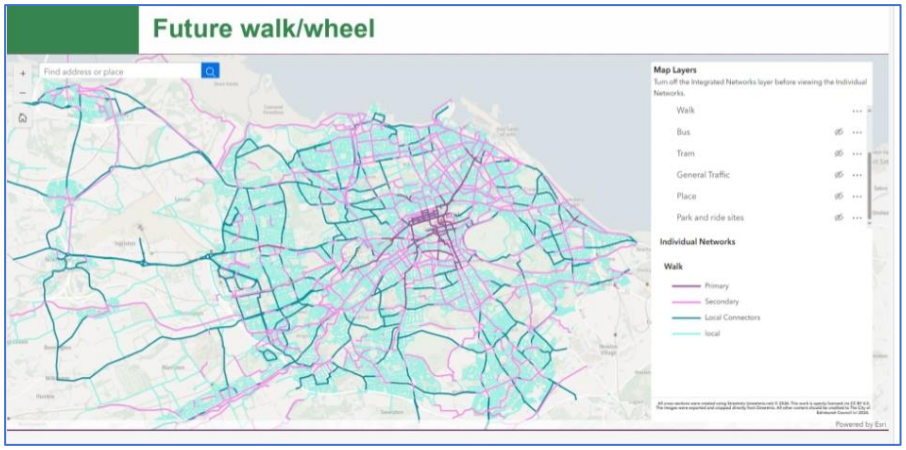


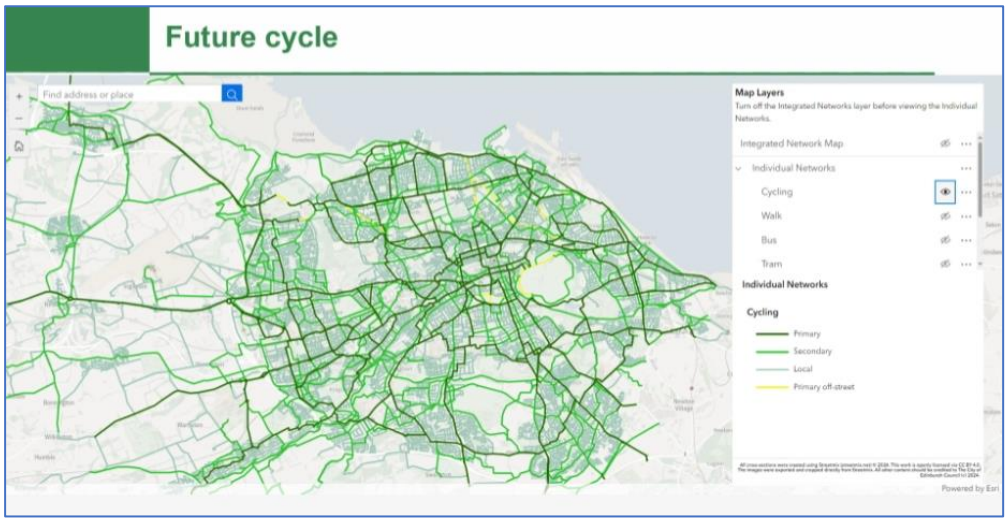
Conflict resolution:

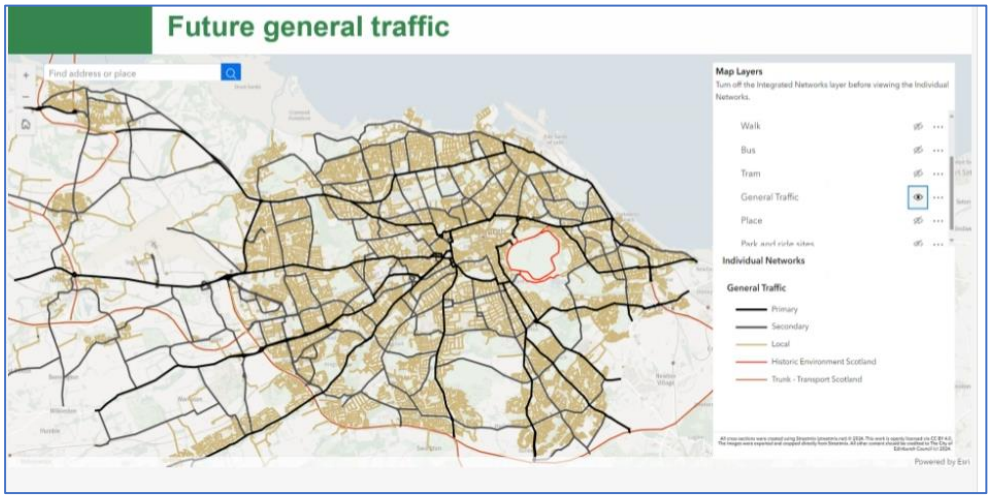


[City Mobility Plan – The City of Edinburgh Council]









“We’ve made significant progress in the last few years, but more of the same is not an option. Now is the time for bolder, more transformational action and Edinburgh has an ambitious agenda for change.

As well as setting a target to be a net zero city by 2030, we've also committed to eradicate poverty and become the data capital of Europe. The Council also declared a Nature Emergency in 2023 in response to the global nature and biodiversity crisis. You can read more about what else we're doing to manage our greenspaces.

Following extensive consultation, the final Plan was approved at the Transport and Environment Committee on 19 February 2021.

The Plan was reviewed and updated following further consultation in 2023. The updated Plan was approved at the Transport and Environment Committee on 1 February 2024."

End