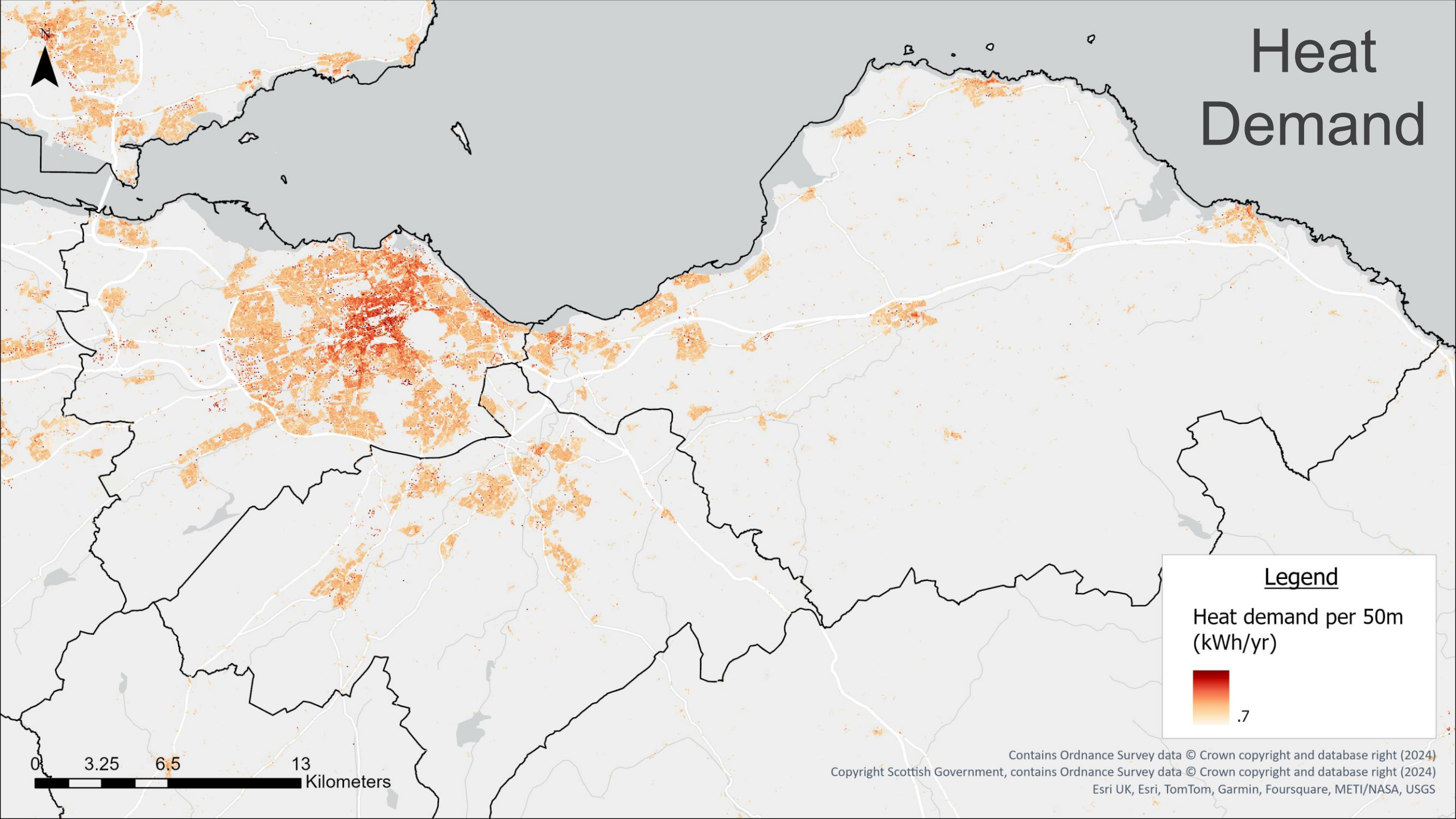




SE Scotland Regional Heat Network Vision

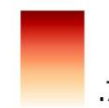
MARTIN HAYMAN

Heat Demand



Legend

Heat demand per 50m
(kWh/yr)

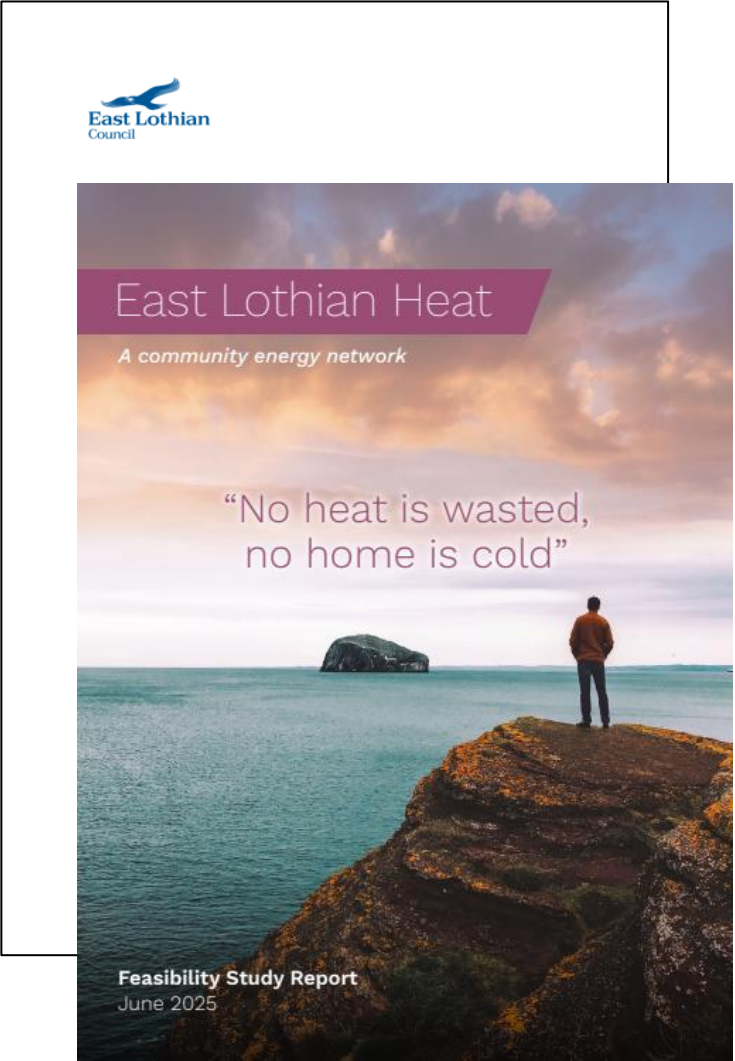


.7

0 3.25 6.5 13 Kilometers

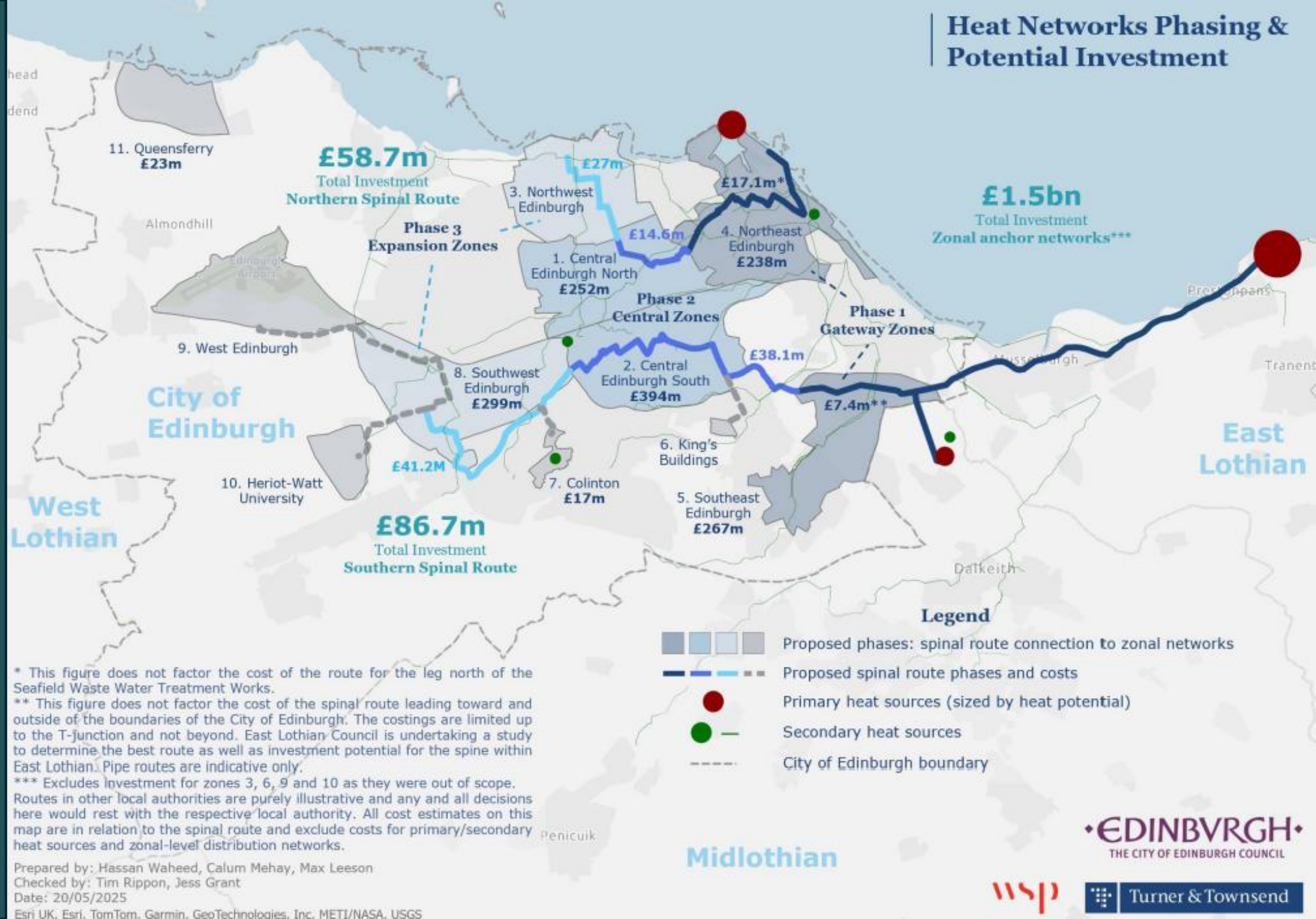
Contains Ordnance Survey data © Crown copyright and database right (2024)
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Esri UK, Esri, TomTom, Garmin, Foursquare, METI/NASA, USGS

Edinburgh, Midlothian and East Lothian LHEES

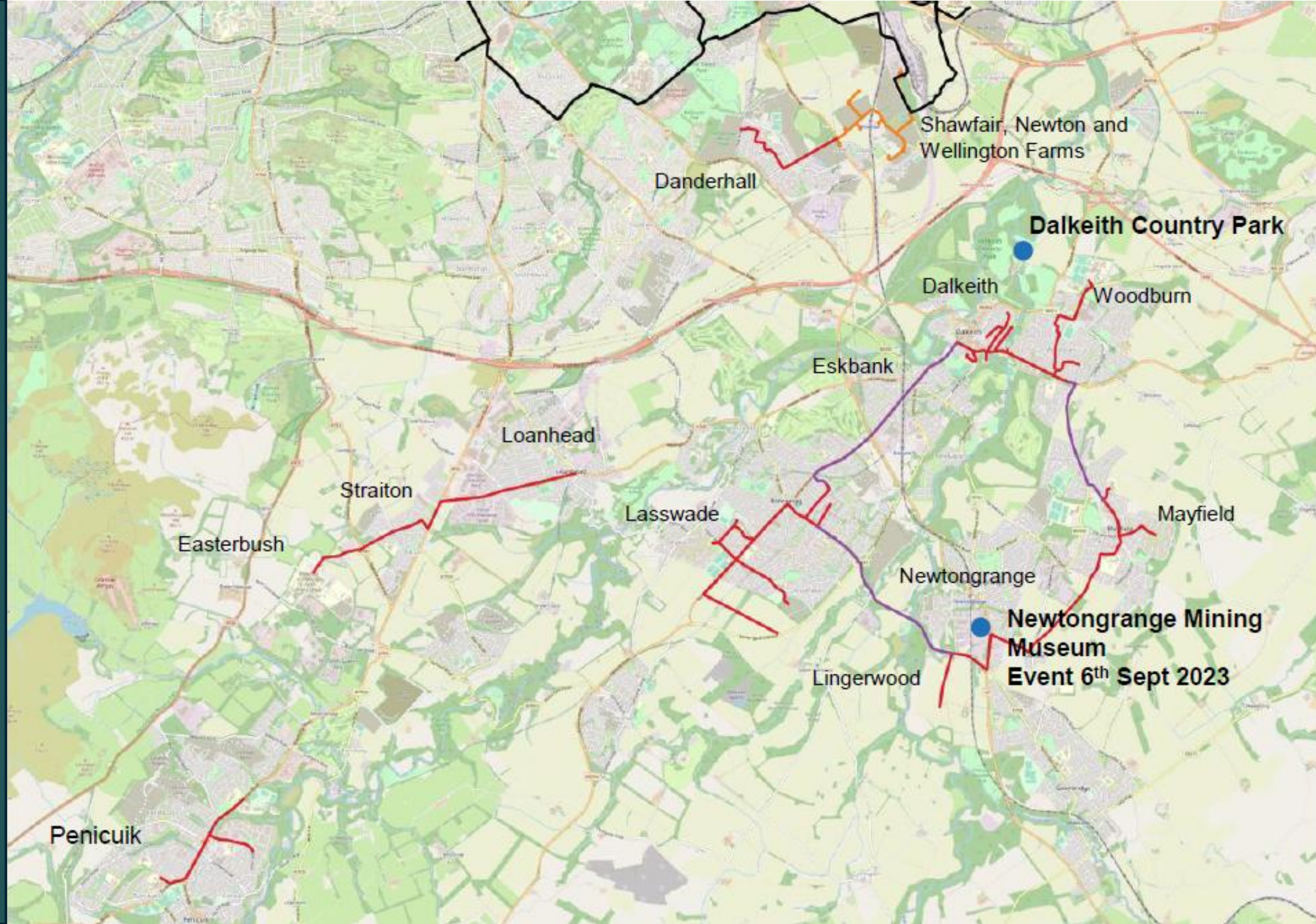


Edinburgh LHEES

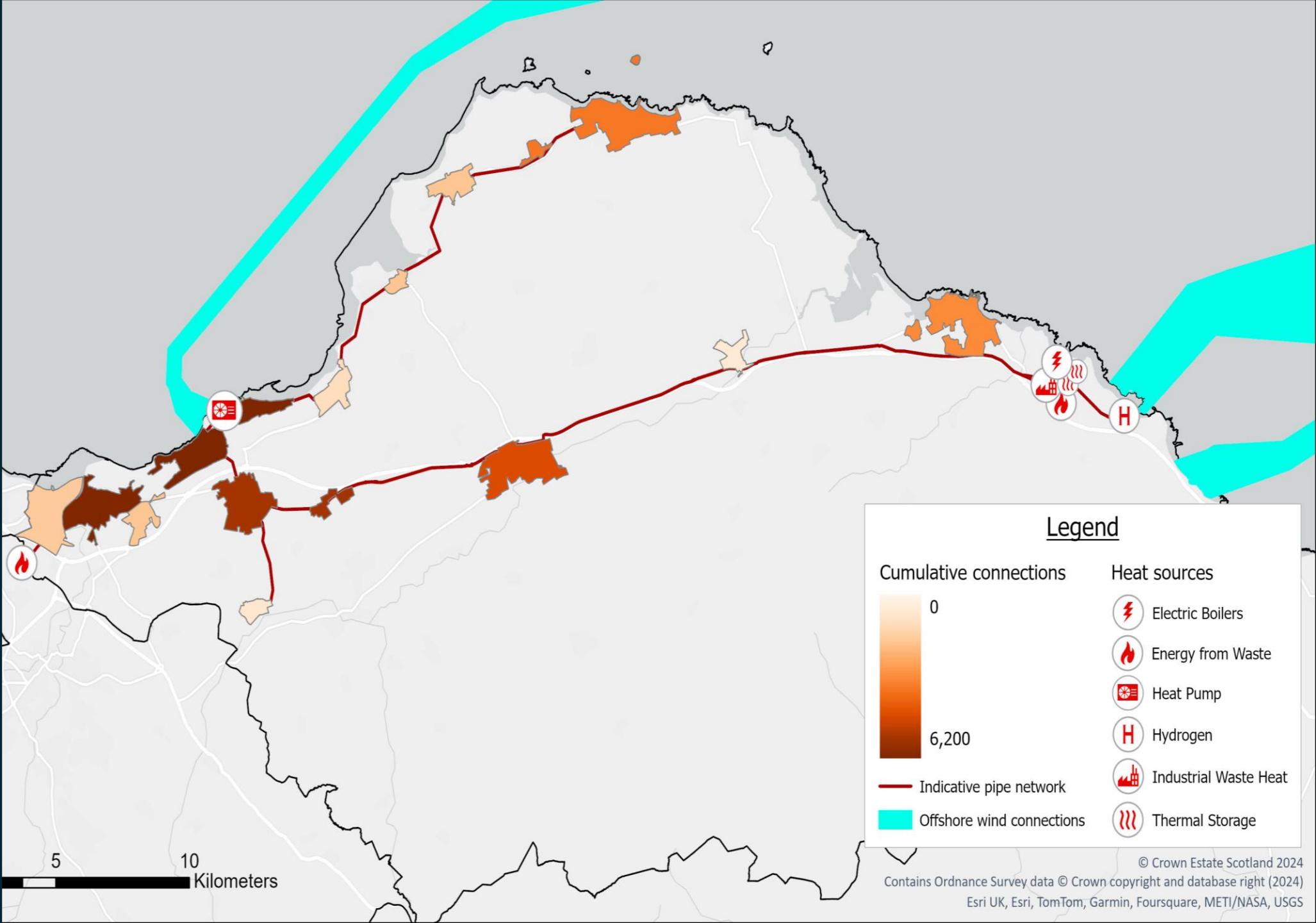
Heat Networks Phasing & Potential Investment



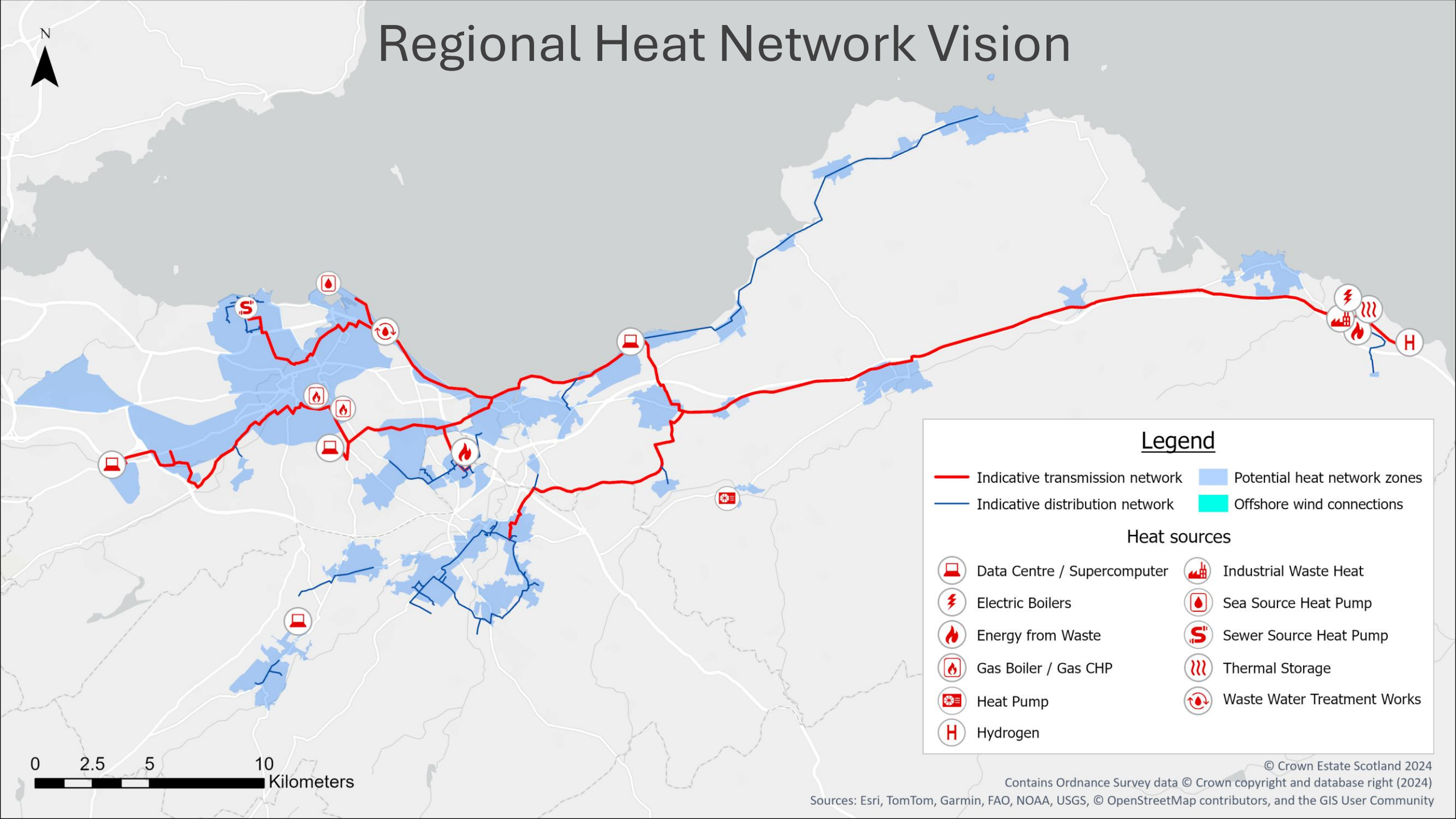
Midlothian LHEES



East Lothian LHEES



Regional Heat Network Vision



Solution by 2031

+1,500 GWh/y

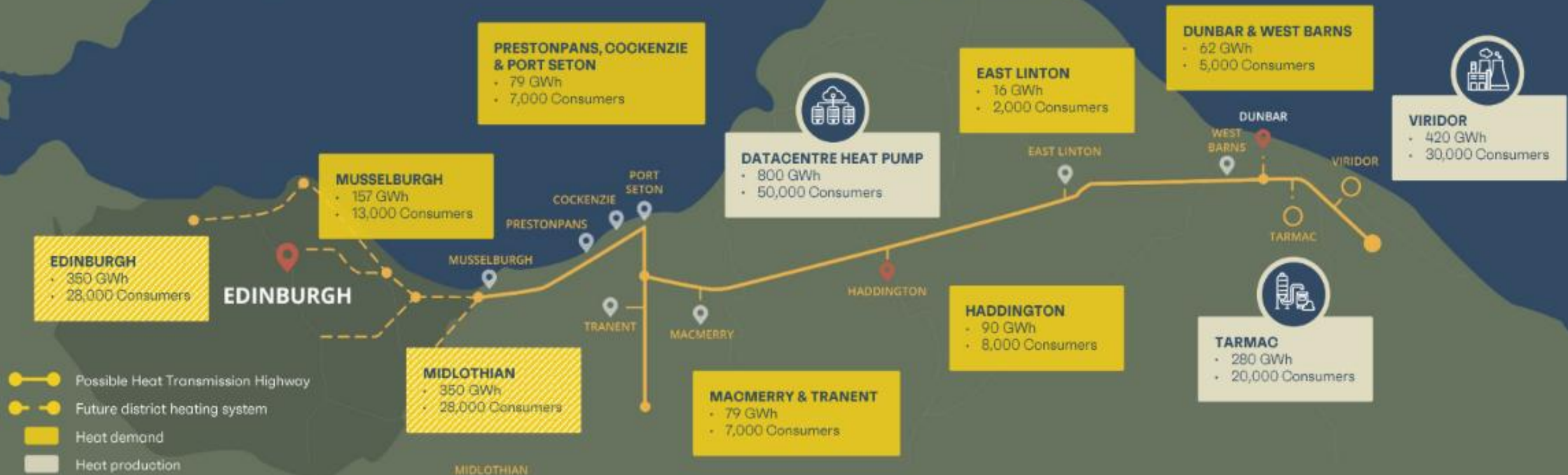
Total consumers: ~100,000

Largest heat network in the UK also
allowing for exporting heat to:

- Edinburgh 350 GWh
- Midlothian 350 GWh

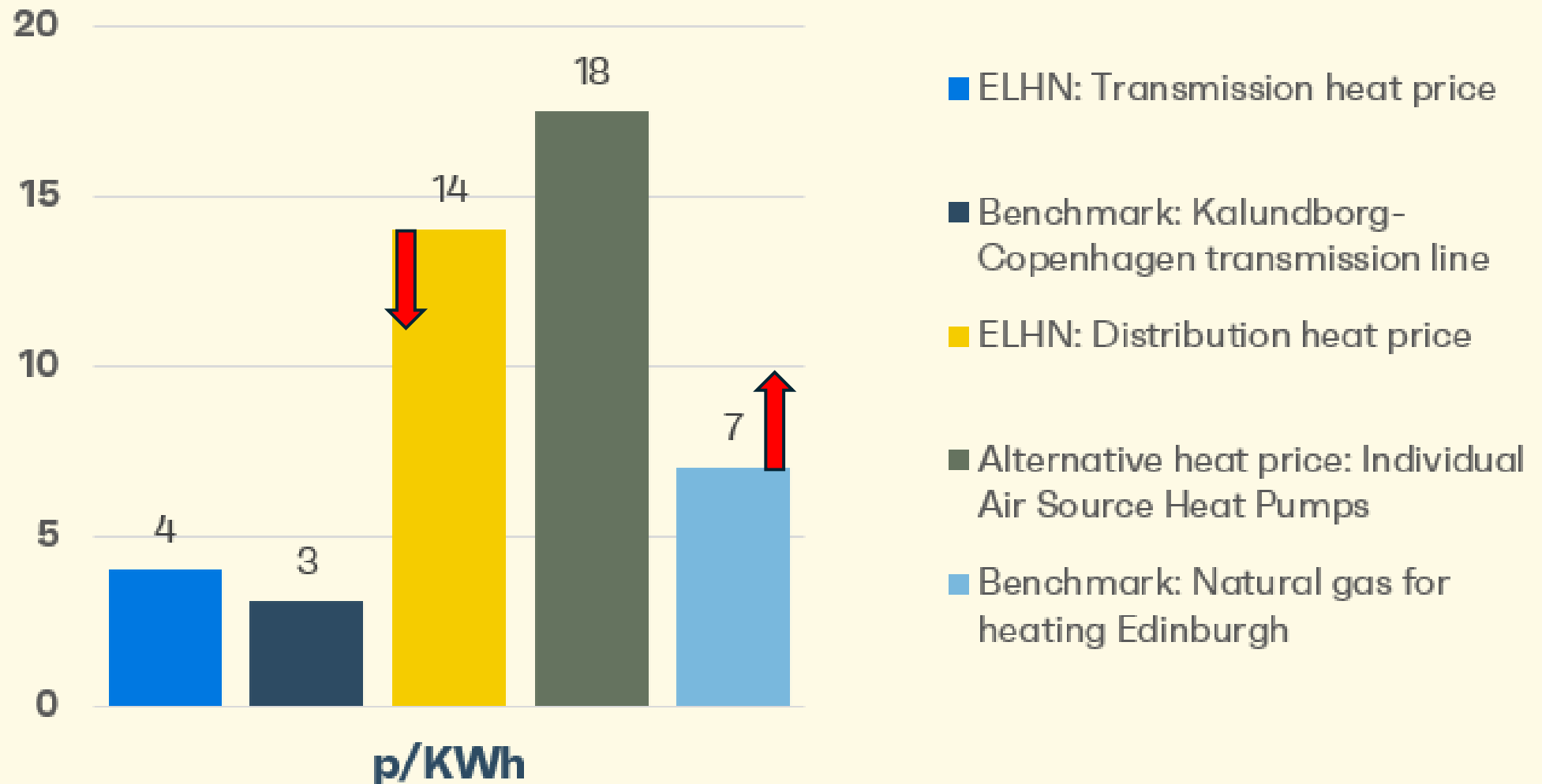
Further possible heat production to connect

Future hydrogen · Waste to energy · Other?



Feasibility results

Heat price per unit



Critical Energy Infrastructure – by 2045

