

Measuring GHG emissions reduction from land transport

Stockholm Congestion Charge

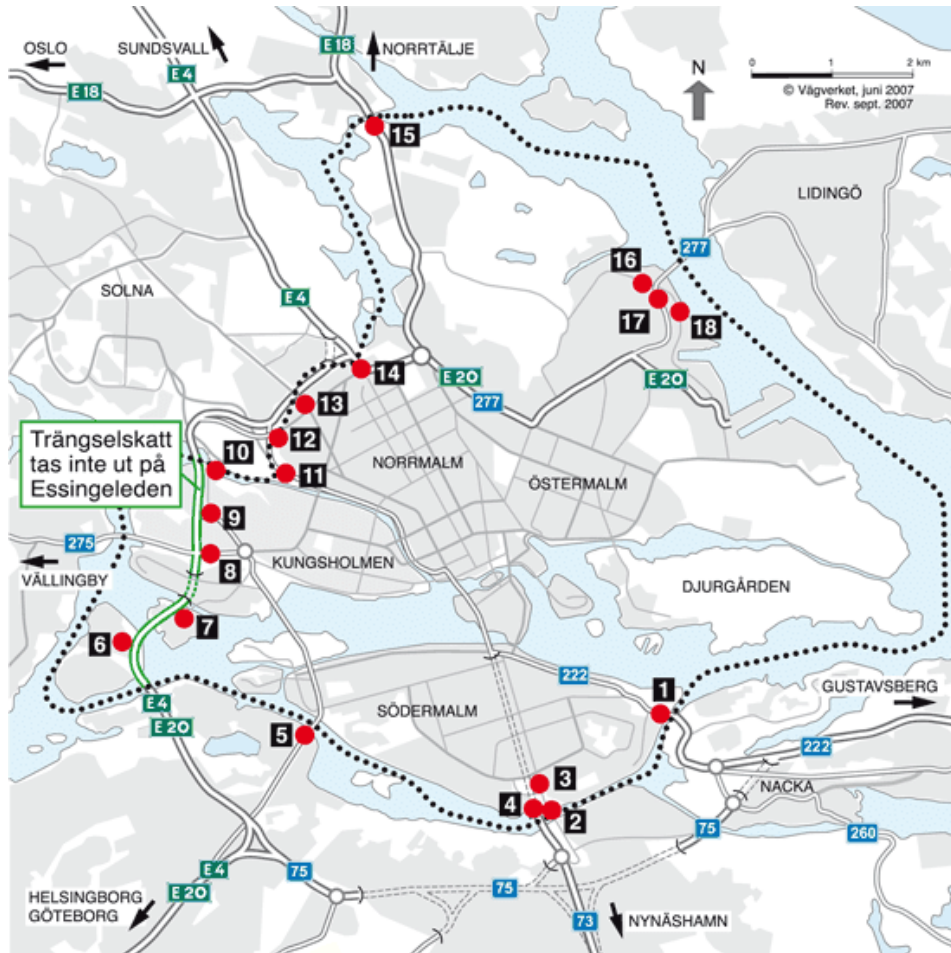
Fiona Thomas - MRCagney



Stockholm



What it was



Intervals Stockholm city centre as from 1 January 2020

| Hours | Off-peak season tax amount in SEK | Peak season tax amount in SEK |
|-------------|--------------------------------------|-------------------------------|
| 6:00–6:29 | 15 | 15 |
| 6:30–6:59 | 25 | 30 |
| 7:00–8:29 | 35 | 45 |
| 8:30–8:59 | 25 | 30 |
| 9:00–9:29 | 15 | 20 |
| 9:30–14:59 | 11 | 11 |
| 15:00–15:29 | 15 | 20 |
| 15:30–15:59 | 25 | 30 |
| 16:00–17:29 | 35 | 45 |
| 17:30–17:59 | 25 | 30 |
| 18:00–18:29 | 15 | 20 |

Measurement methodology



Measurement methodology



Outcomes



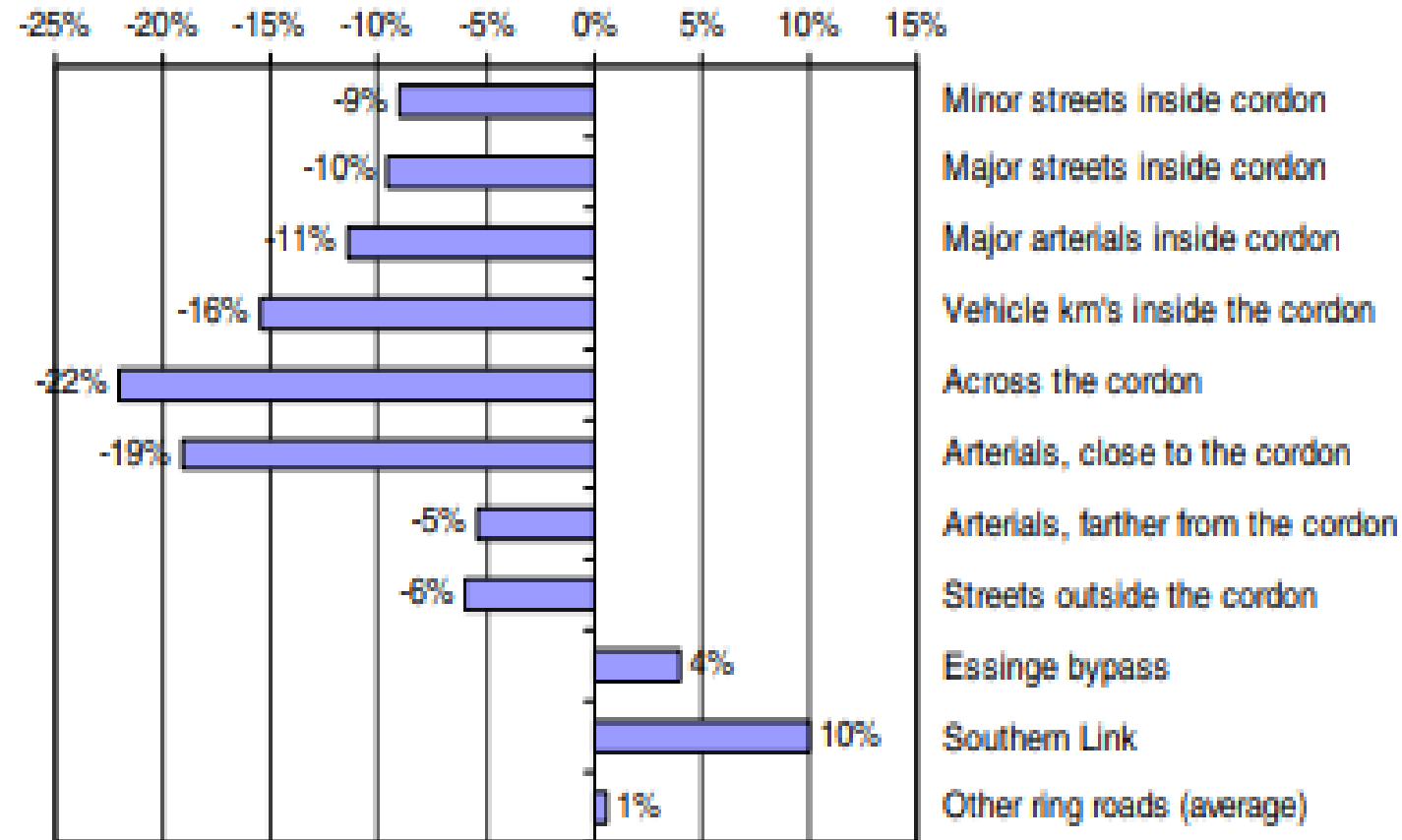
“Stockholmers,
where did you go?”

20% reduction in
traffic crossing the
cordon

Outcomes

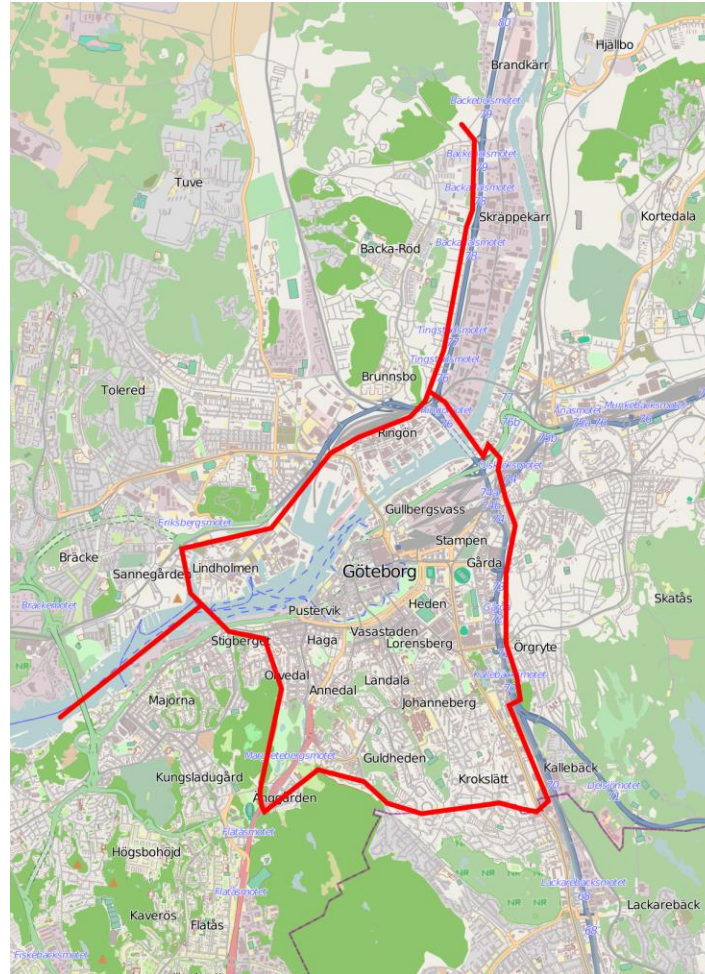


Outcomes



Eliasson (2014)

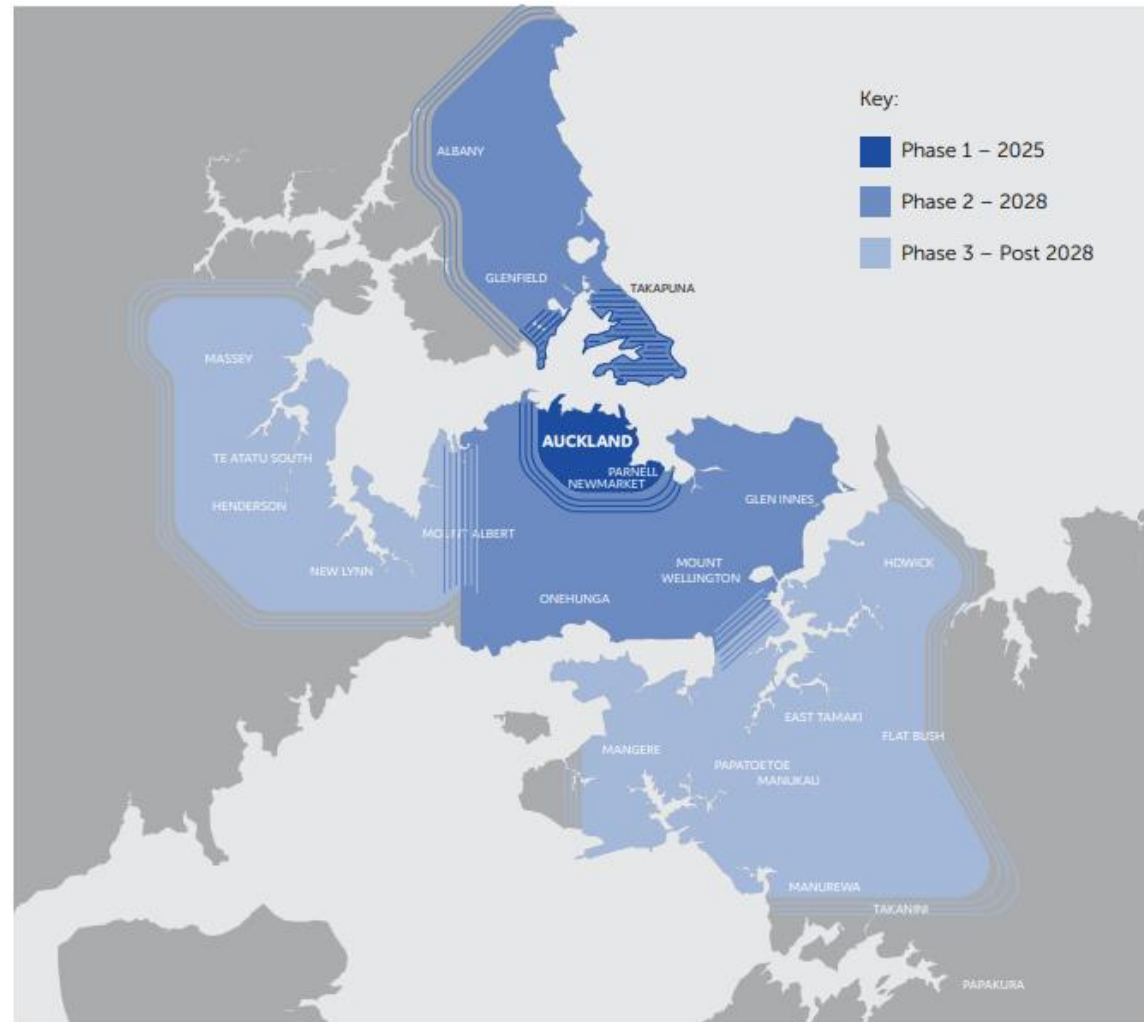
Supporting elements



Supporting elements



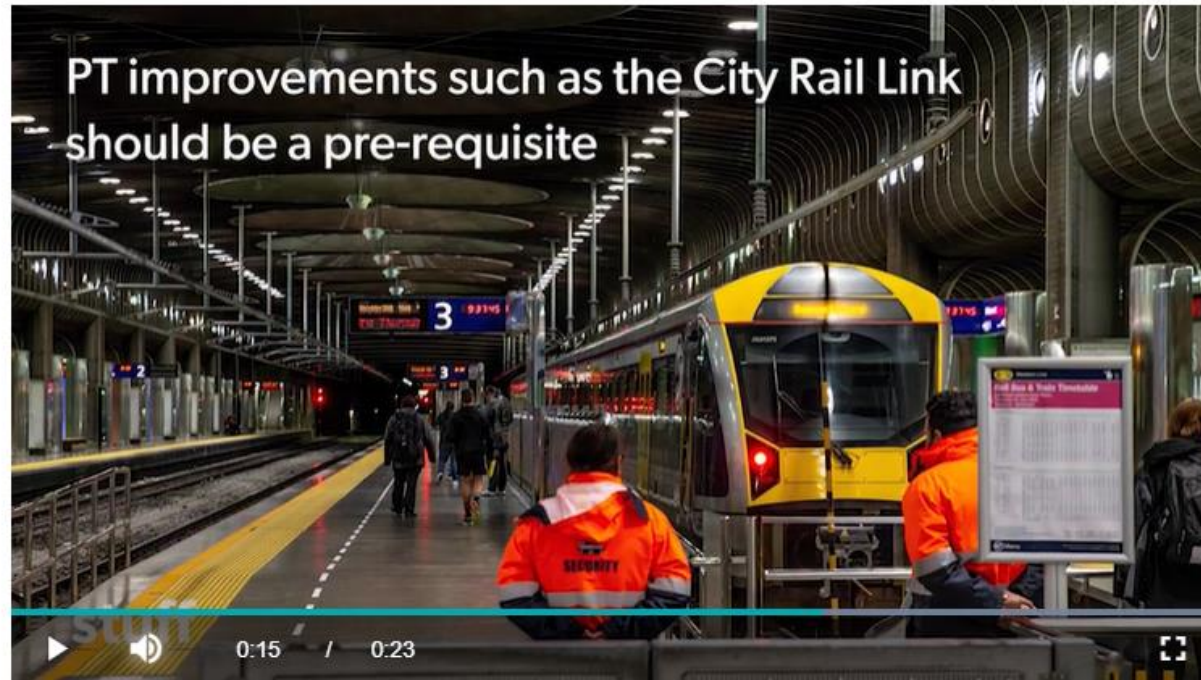
Relevance to New Zealand



Indicative phases of Auckland congestion pricing scheme – The Congestion Question (2020)

Auckland congestion charge: Drivers could be taxed \$3.50 to enter CBD at peak hour ▶

Todd Niall · 14:00, Nov 30 2020

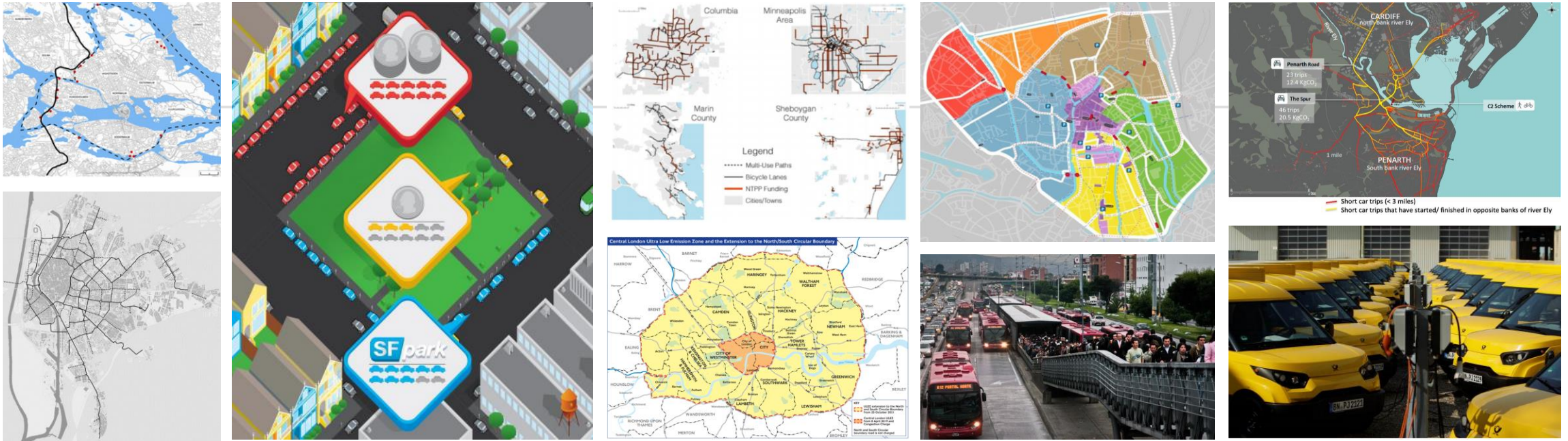


STUFF

Congestion charge of up to \$3.50 suggested by officials for Auckland CBD.

Future areas of research

- Wider co-benefits of large scale vehicle reductions into central cities
- Mechanisms for public approval
- Effect on routes outside of the central city



16 Case Studies

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