

# Housing Scrutiny Meeting - Heat Networks Update

28<sup>th</sup> October 2019

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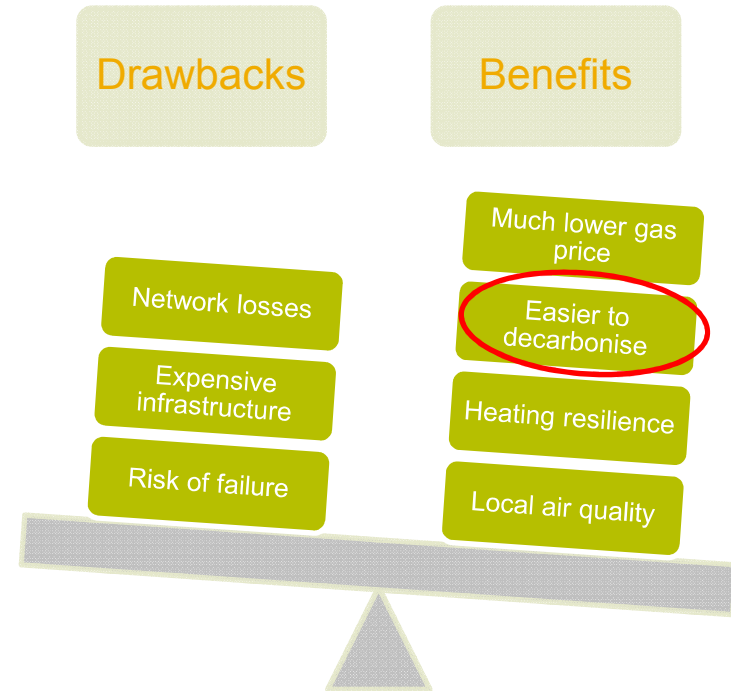
# Southwark's heat networks

## Current situation:

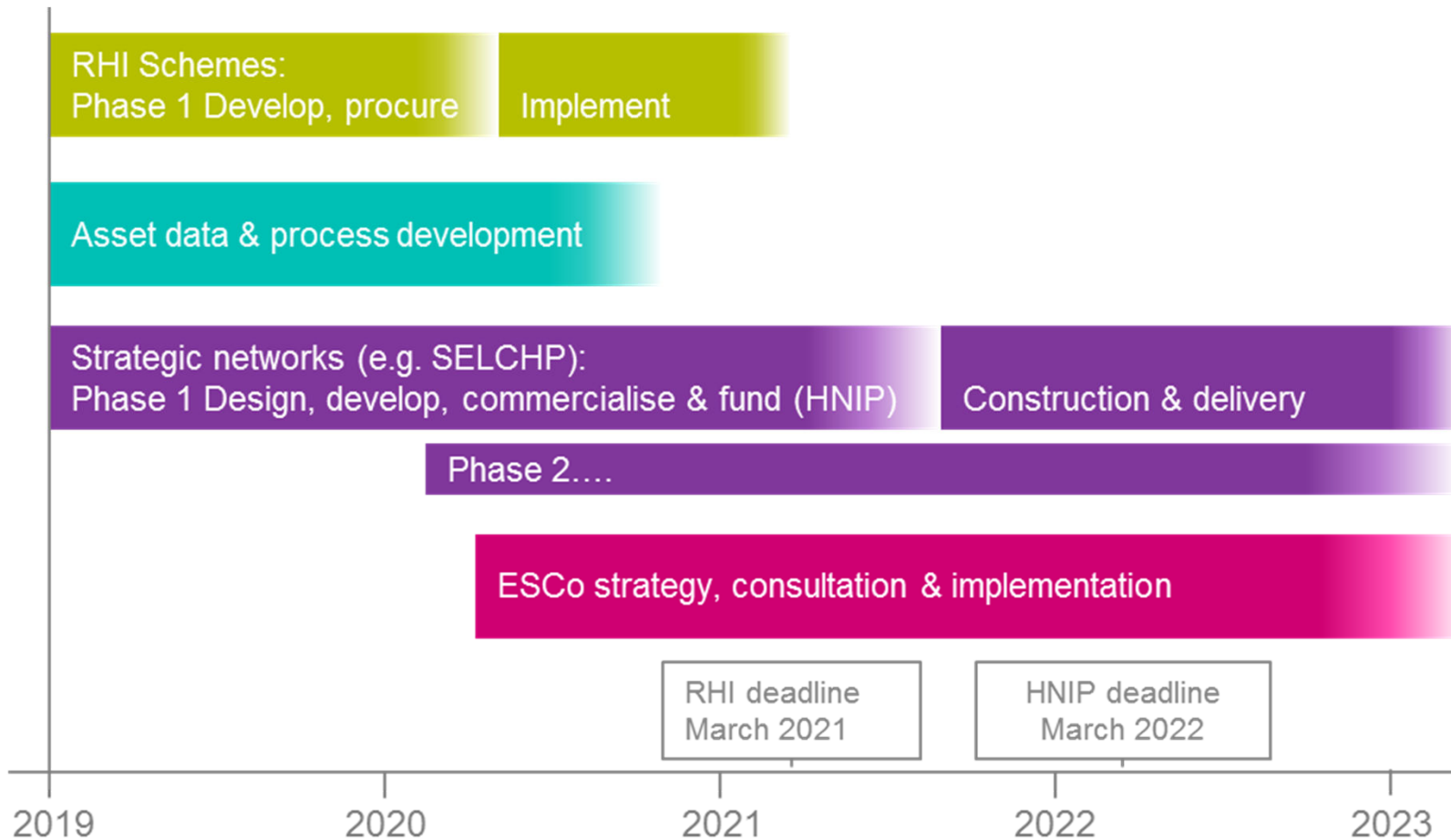
- 100 separate heat networks
- 17,000 properties served
- Almost exclusively served by gas boilers
- Ageing assets with unplanned outages
- Uses ~250 million kWh gas p.a. (250 GWh)
- Around 50,000 tonnes CO<sub>2</sub> emitted p.a.

## So what are our objectives:

- Improve reliability
- Maintain affordability
- Reduce carbon emissions



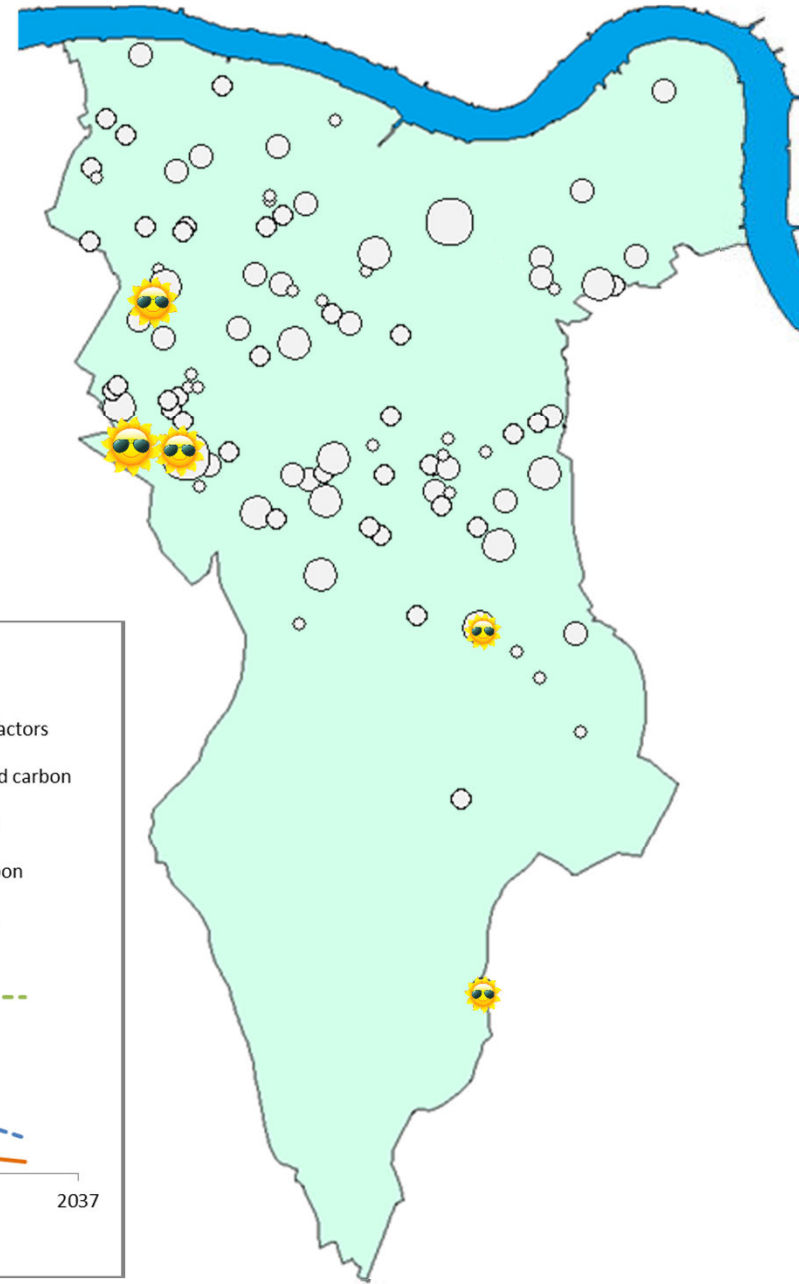
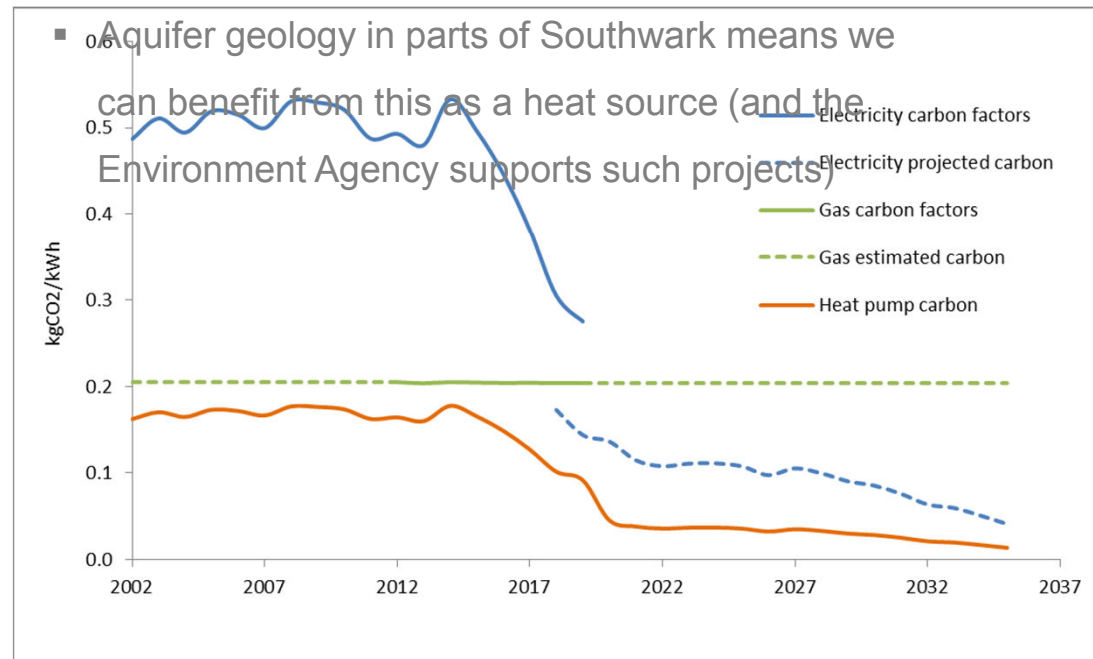
# Recap of Cabinet Paper



# Current projects (1)

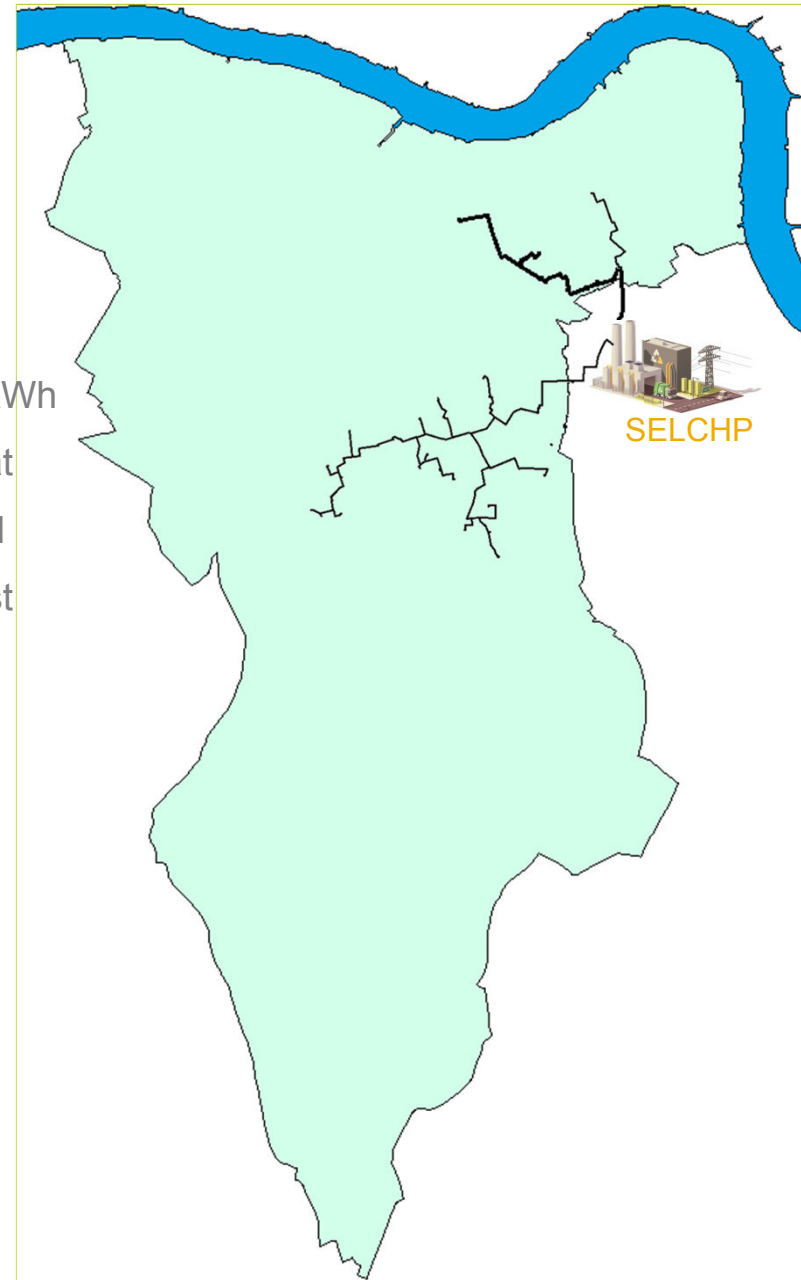
## 1. Heat pump installations

- Electricity has a higher carbon factor than gas but this is coming down fast
- The heat pump absorbs heat from the local environment so that ~3x more heat is produced than electricity used



# Current projects (2)

1. Heat pump installations
2. Expand our SELCHP heat networks
  - SELCHP has a carbon factor of around 0.06 kgCO<sub>2</sub>/kWh
  - Council currently uses around 10-13MW of waste heat from SELCHP but there is lots more currently rejected
  - Hope to extend north towards Canada Water and west towards Peckham and the OKR regen area



# Current projects (3)

1. Heat pump installations
2. Expand our SELCHP heat networks
3. Improve efficiency across the board and prioritise other investments

