



Chirpy Heat

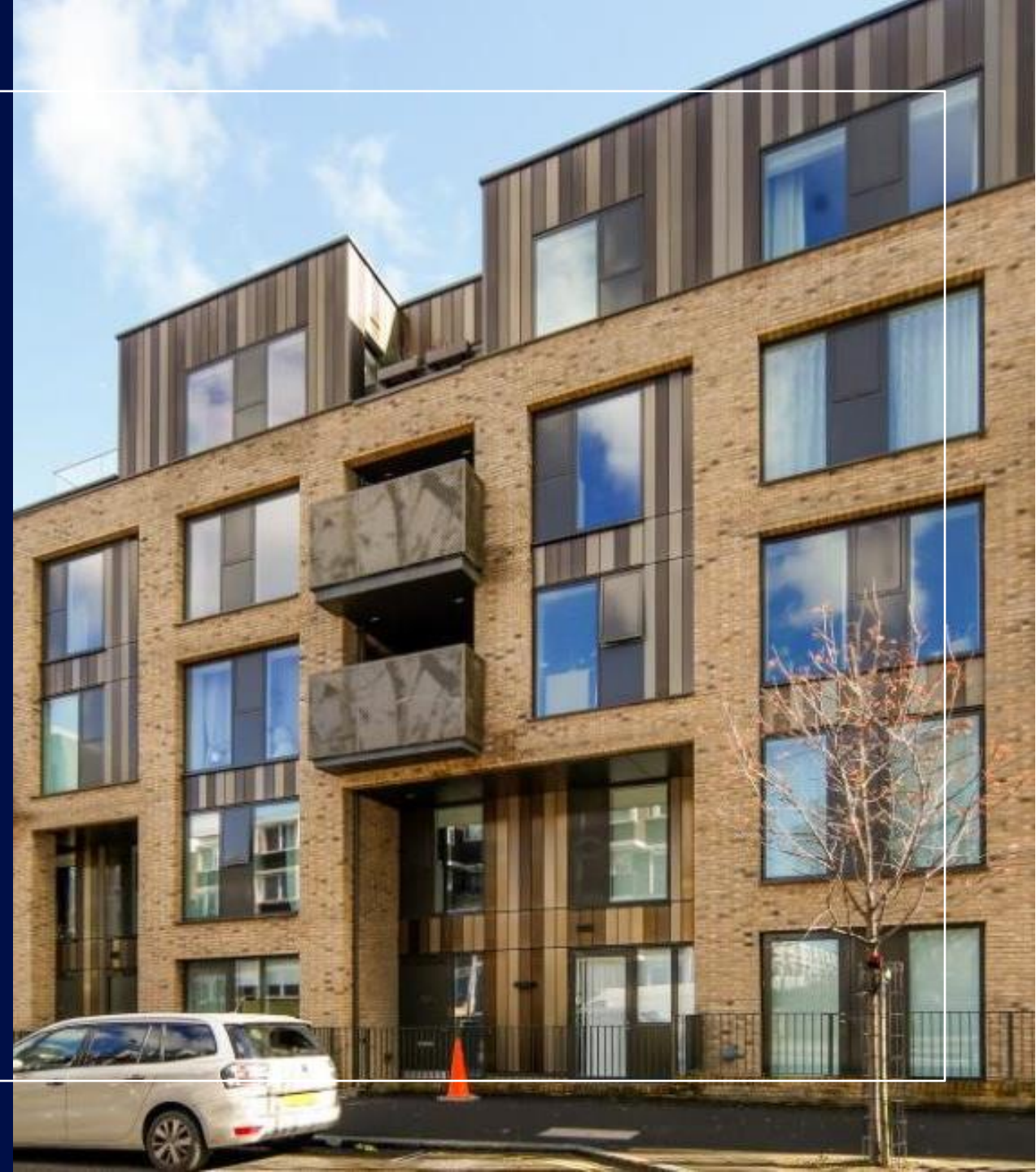
Optimisation and HNES funding for heat networks



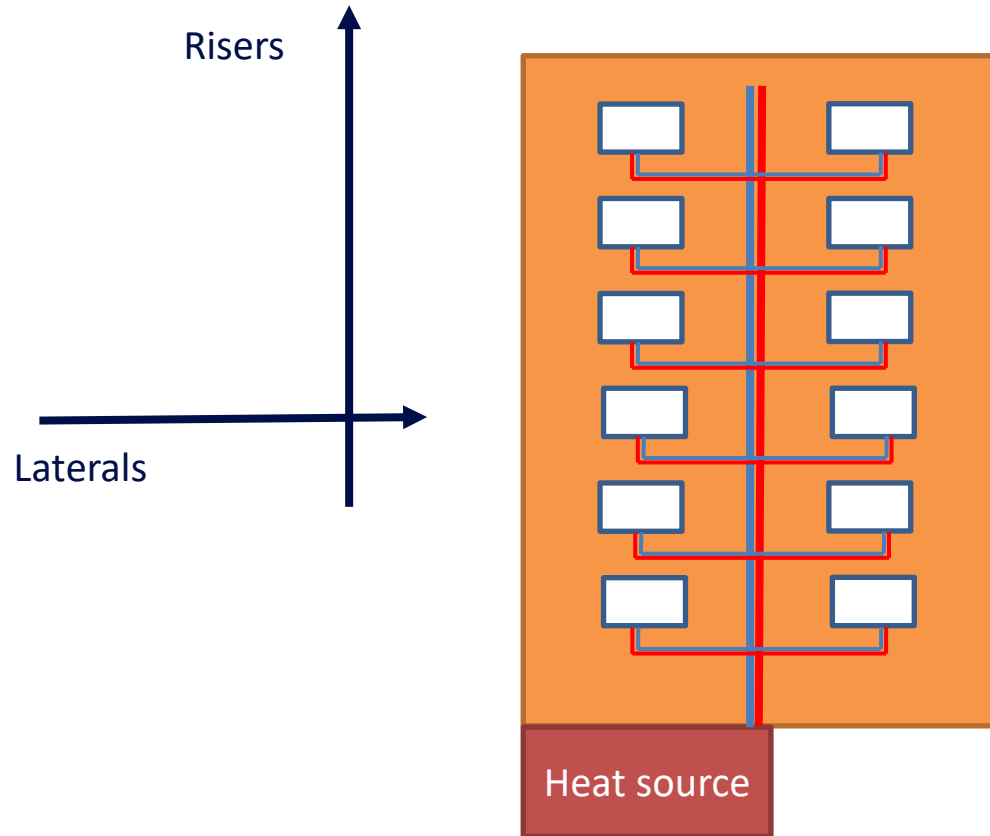


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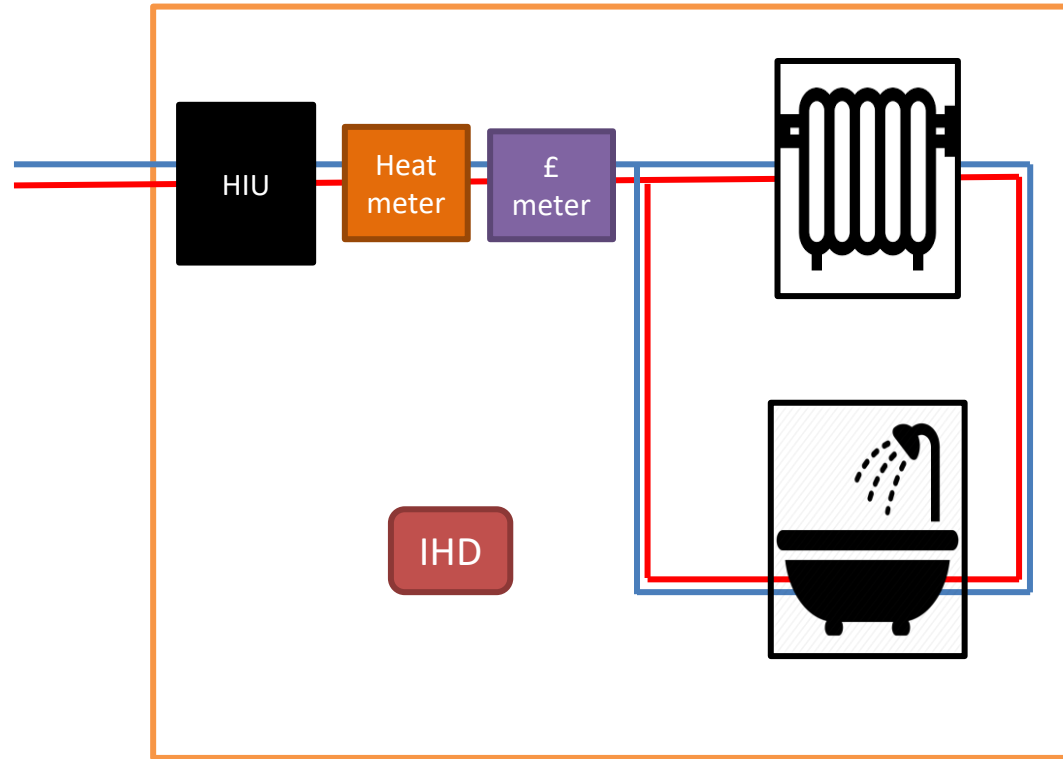
So what is a heat network?



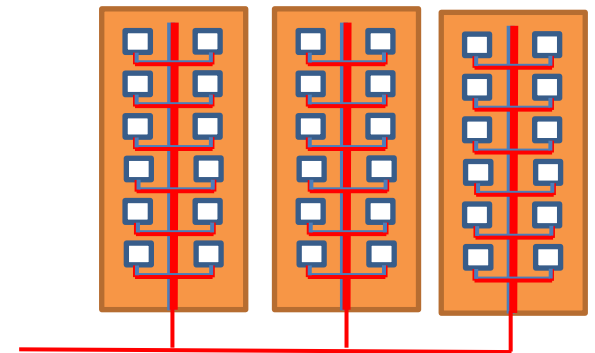
2. Distribution pipework



3. Delivery pipework



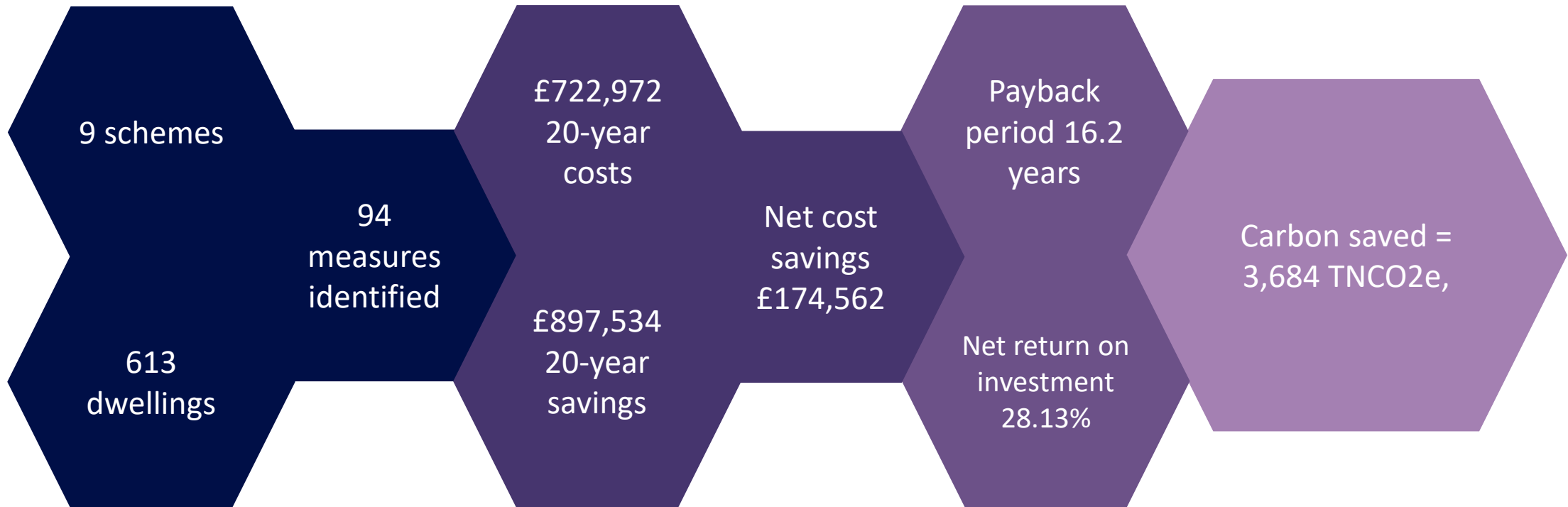
4. District heating



1. Heat Source
Plant room or energy centre



Heat Network Efficiency Scheme (HNES) 2021/22 overview



Desktop efficiency review

List of heat networks (metered and unmetered)

1

Calculate system efficiency for metered or benchmark unmetered schemes

2

Assess data reliability

3

Establish a ranking of schemes

4

Take action or keep safe for later..

5

Taking action..

Optimisation Review

- Identify optimisation and efficiency issues
- Offer opportunity and solutions
- Seasonal performance analysis
- Cost and carbon analysis
- Potential system performance review



Included in both

- Site visit(s)
 - Plant rooms
 - Distribution pipework
 - Dwellings
 - Commercial units
- Asset register
- Impact analysis:
 - **Cost:** Lifetime cost, payback and return on investment
 - **Carbon:** Reduction, improvement, savings
- Recommendations summary

Decarbonisation Review

- Alternative energy solutions
- Plant room location
- Opportunities
- Options appraisal
- Opportunity ranking



Keeping safe for later...

HNES 2023

The scheme will likely launch in Feb, first bidding window opening around April



8 bidding windows (1 per quarter for 2 years)



Optimisation Studies and Capital funding



Piloting concept for Capital funding



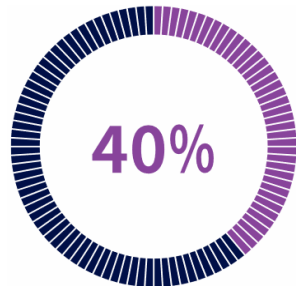
Customer impact

Efficiency



£1,400 per year

Efficiency



£1,050 per year

Efficiency



£840 per year

Calculations based on 4,000 kWh per year with a gas unit rate of 10p/kWh

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