

# Welcome Address – GreenSCIES Dissemination Event, Islington Town Hall

Councillor Claudia Webbe, Executive Member for Environment  
& Transport

4/07/19


# 1: Islington's response to the Climate Emergency



- The Council has declared a climate emergency to deliver a net zero carbon borough by 2030.
- GreenSCIES is leading the way in identifying how to deliver low carbon heat within London.
- From previous studies, we expect in the region of 40,000 tonnes of CO<sub>2</sub> per annum could be saved through the roll out of low temperature heat networks in Islington.
- This figure could expand further still to include private sector housing and other retrofit opportunities that are not currently included.
- We need to maximise all opportunities to meet our 2030 target and mitigate the effects of Climate Change.



## 2: Islington's Commitment

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- Islington Council is determined to make a difference for local people by making our borough a fairer place for all
  - We're committed to reducing fuel poverty and creating a healthier, greener borough
  - Our corporate commitments include:
    - *Delivering decent and genuinely affordable homes.*
    - *Providing practical support to help residents cope with the cost of living.*
  - We are supportive of any opportunities that develop the opportunity to raise residents out of fuel poverty and help to deliver our vision for a low-carbon Islington.
  - We hope the GreenSCIES project can help us deliver on our promises to residents and demonstrate to London, the UK and internationally, how innovation can play a part in ensuring the future of our planet.




### 3: Why is Islington engaged in GreenSCIES?

- GreenSCIES is leading the way in identifying how to deliver low carbon heat within London
- Integration of sustainable transport and renewable energy to provide a broad approach to carbon savings.
- Islington have pioneered innovation in heat networks, most recently with Bunhill Heat and Power, which will provide heating to over 1,200 residents taking waste heat from the tube.
- Low carbon heating is key in ensuring our borough remains resilient whilst combating climate change
- Many sources of waste heat exist in our borough areas that we can take advantage of:
  - Sewers
  - Underground transport systems
  - Rivers and Canals
  - Commercial buildings e.g. data centres



## 4: Innovation is key to delivering a vision of a low carbon future.

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- Energy systems are complex: unlocking these systems is a crucial part of securing our future.
  - Innovation has enabled the application of new technology into our environment, bringing with it great benefits to our residents and opportunities for growth and investment.
  - GreenSCIES aims to deliver a low temperature heat network using leading edge heat pump technology:
    - Allows greater flexibility in the delivery of heat between different buildings and efficiency savings that can be passed on to our residents, helping those in fuel poverty.
  - Innovation will lead to a low carbon future from increased use of electricity instead of natural gas
  - More solar power will be generated within the borough, providing power to electric vehicles.



## 5: Where do the challenges lie?



- GreenSCIES aims to develop a future system that is replicable in densely-populated cities across London and the UK.
- Any system must be resilient, efficient and beneficial to local people whilst being viable
- We must engage with policy makers and regulatory bodies to ensure a smooth transition
- We need to engage with our residents and the businesses and ensure that they too are committed and clear in their role in making GreenSCIES a success.



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