Schools & Climate Action

3rd February 2021

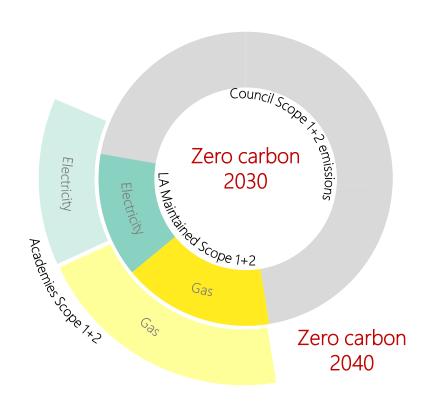
Harriet Potemkin – Head of Policy & Strategy Tilly Ford – Sustainability Advisor

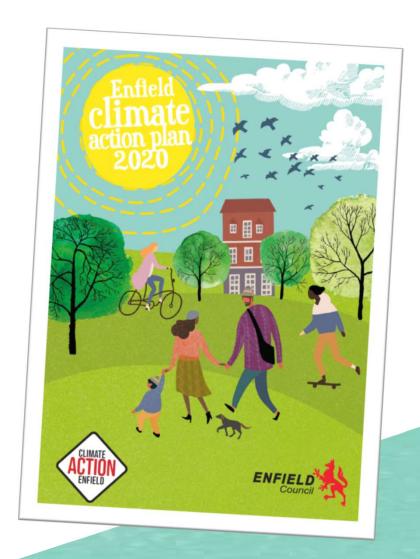


Climate Action Plan

Our pledge:

- Zero carbon by 2030 [Council incl. Maintained Schools]
- Zero carbon by 2040 [Borough wide, All Schools]





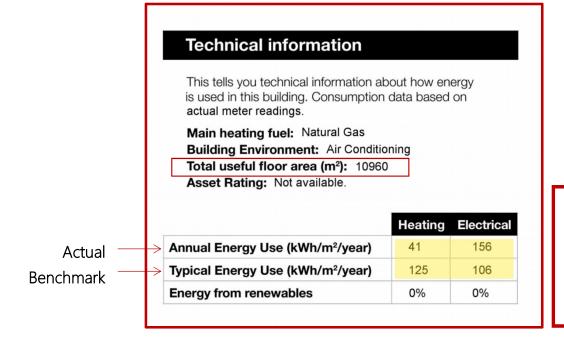
Carbon Reduction of School Estates

- 1. Decarbonisation of buildings
 - Reduce energy
 - Decarbonise heat
 - Maximise renewable energy
 - Monitor, disclose & educate
- 2. Funding opportunities for building retrofit
- 3. Delivery support for building retrofit
- 4. Active programme opportunities
- 5. Green infrastructure & planting
- 6. Summary



Energy Reduction: DECs explained

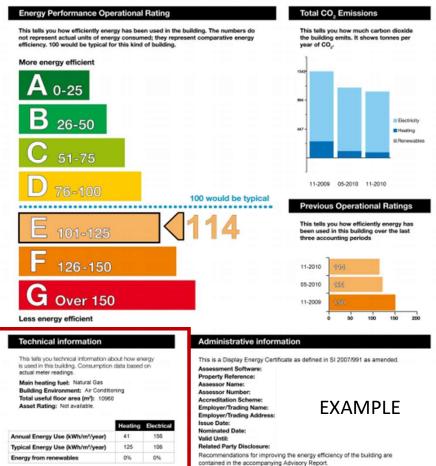
- Statutory requirement to update annually
- Take regular meter readings
- Review performance against benchmarks
- Identify low cost and behavioural measures
- Opportunities for significant cost savings



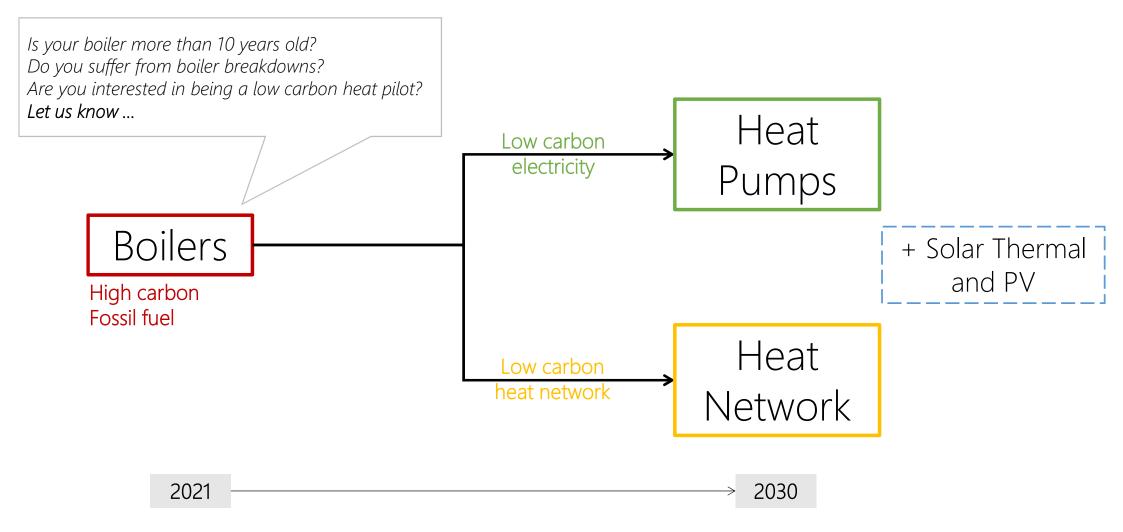
Display Energy CertificateHow efficiently is this building being used?

EXAMPLE

This certificate indicates how much energy is being used to operate this building. The operational rating is based on mater readings of all the energy actually used in the building. It is compared to a benchmark that represents performance indicative of all buildings of this type. There is more addice on how to interpret this information on the Government's website www.communities.com/uk/eabdd.



Decarbonise Heat: 2030 Pathway options



Carbon & Energy Reduction: Funding

- Public Sector Decarbonisation Scheme [Awaiting update]
 - Council/ School managed
 - Grant funding for heat decarbonisation projects
 - Phase 1 oversubscribed, awaiting announcement potential future phases
 - Looking to hear from interested Schools for pilot
- Salix Energy Efficiency Loan Scheme (LA maintained) [Open]
 - School managed
 - Interest-free loans
 - Pay-back through energy savings (8 years payback max)
 - Energy saving measures (£222/tCO2e max)
- Salix Energy Efficiency Fund (Academies) [Closed 20/21]
 - School managed

https://www.salixfinance.co.uk/



Carbon & Energy Reduction: Delivery

RE:FIT 2 [Ongoing]

- GLA framework for energy retrofit
- Council procured contractor Ameresco
- Council managed and delivered
- Energy savings guaranteed through M&V

Steps

- 1. Shortlisting & data gathering
- 2. Survey & High Level Appraisal (HLA)
 - Outline proposals, costings and paybacks
- 3. Approvals & funding
- 4. Detailed Survey & Investment Grade Proposals
 - Detailed proposals, costings
- 5. Approvals & contracts
- 6. On-site implementation
- 7. 5 years Measurement & Verification



MAYOR OF LONDON



Carbon & Energy Reduction: How?

We are looking to hear from interested decarbonisation Pilots for future PSDS

- 1. Contact <u>Climate.Emergency@Enfield.gov.uk</u> to let us know you're interested
- 2. Complete Expression of Interest survey
- 3. Q&A session with Ameresco & Salix (TBC)
- 4. Schools; prioritised based on;
 - Heating system age
 - Energy consumption
 - Commitment
- Survey and High Level Appraisal by Ameresco (TBC)

Carbon & Energy Reduction: Ongoing programmes

HOPES energy scheme

- Free data sensors to monitor electricity consumption, CO2 levels, temperature and humidity
- Curriculum development aimed at energy reduction https://hopes-sustain.org/



- Free energy efficiency programme http://www.lessco2.org.uk/
- Expert advise, staff workshops, empowerment and educational programme for actioning energy & carbon reduction

ASHDEN Let's go Zero

- Nationwide net zero 2030 pledge & action network
- Sign up now! https://letsgozero.org/

Solar Schemes

- Schemes supporting schools install solar panels including feasibility, funding mechanisms and delivery
- Example: https://www.solarforschools.co.uk/

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Green infrastructure/ planting schemes

Benefits

- Reduced pollution, air quality improvements and reduced urban heating
- Increased biodiversity and wildlife linking to nature education/ outdoor classroom
- Reduced flood risk
- Better water management rainwater harvesting
- Noise reduction
- May reduce maintenance costs associated with exposed fencing, including reduced criminal damage
- Provides privacy/ screening
- Public Health/ mental wellbeing

Opportunities

- Increased planting around schools perimeter/playing fields or elsewhere on school site
- Support from us to partner with organisations eg <u>Thames21</u> or <u>Trees for Cities</u> on planting and Sustainable Urban Drainage (SUDs) and access funding



Taking Climate Action

Our offer to you

- Creation of Schools Climate Action Network 3rd March 2021
- Development of Schools Climate Action Handbook
- Communication of new opportunities for Climate Action & grant funding
- Opportunities for heat retrofit pilot
- Planning for future retrofit through RE:FIT programme
- Accessing funding and partners for tree/ hedgerow planting or SUDs
- Support on sustainable travel

Working together

- Engage in Schools Climate Action Network and Climate Action Programmes
- Voice concerns, questions and queries
- Start to take action where you can and tell us about it!
- Looking for Pilot Schools for heat decarbonisation projects (PSDS/RE:FIT)
- Looking for Pilot Schools for tree/ hedgerow planting or SUDs

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