

# UK government initiatives and role of agencies

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# Presentation Topics:

- About EST
- Monitoring/Field Trials
- SAP Appendix Q – Heat Pumps
- Q&A

# About EST

- Established in 1992
- Provide impartial advice to UK consumers
- Core business areas:
  - Delivery
  - Accreditation
  - Policy/strategy
  - Consumer Marketing
  - Devolved nations

# Programme Delivery

- Advice centres
- Grant programmes
- Green Homes Agenda
- Development
- Transport

Energy  
Efficiency  
**Partnership**  
for Homes

Low Carbon Buildings Programme

Scottish Community and Householder Renewables Initiative

# Policy Research

## YIMBY Generation – yes in my back yard!

UK householders pioneering  
microgeneration heat

*solar thermal* solar water heating systems use heat from the sun to work alongside conventional water heaters.

*YIMBY* = abbreviation for *yes in my back yard*: a person / people who have embraced microgeneration technologies in their homes.

*ground source heat pumps* uses a buried ground loop which transfers heat from the ground into a building to provide heating and, in some cases, to heat domestic hot water.

*biomass* often called 'bioenergy' or 'biofuel', biomass is produced from organic materials, either directly from plants or indirectly from industrial, commercial, domestic or agricultural production. Biomass can be wood, crop residue and



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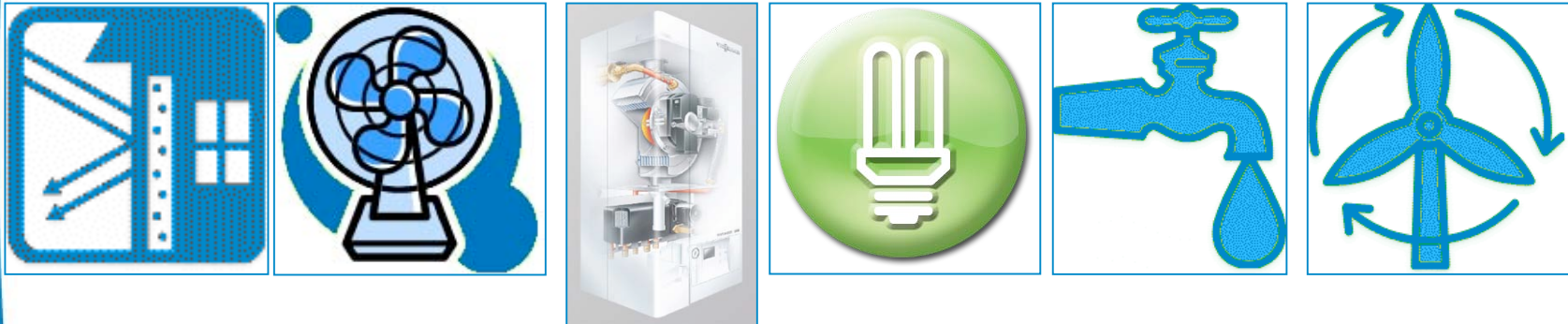
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# About EST

## Monitoring and field trials

# Monitoring and Field Trials

EST monitoring projects:



- EST field trials aim to inform the ***consumer.***

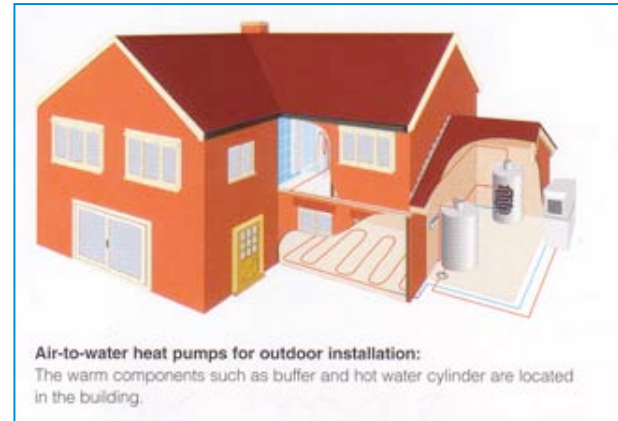
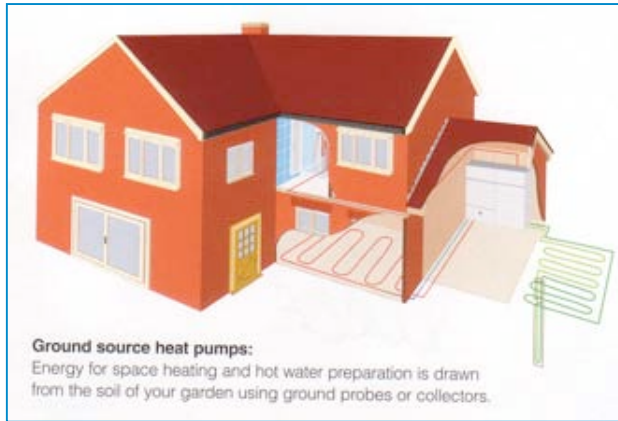
# Heat Pump Field Trials

## Key Objectives:

- Illustrate the performance of in-situ domestic heat pumps
- SPF/COP and carbon savings
- Customer experience and perceptions

# Heat Pump Field Trials

## Scope



- Representative sample.
- Space heating and hot water.
- Study customers' perceptions of the technology.



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# Heat Pump Field Trials

## Desired outcomes

- Compare results with lab-based testing.
- Inform policy and accreditation schemes:
  - MCS
  - CERT
  - SAP Appendix Q

# Heat Pump Field Trials

## Consultation process

- 100+ comments received from industry
- Peer review process undertaken with UK, EU, and IEA experts.



# Heat Pump Field Trials

## Site selection process

- 100+ responses from interested householders.
- Further sites submitted from:



Scottish Community and Householder Renewables Initiative



# Heat Pump Field Trials

## Timeline

- Installation of monitoring equipment August – November 2008.
- Data collection: November 2008 to December 2009
- Final results issued by January 2010

# About EST

## SAP Appendix Q for heat pumps

# SAP Appendix Q

- EST-led programme
  - Energy Efficiency Best Practice in Housing
- Development of Test methodology
- 12 industry funders/Trade associations
- Completion in early 2009

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