



# Innovation Challenges

Equity in Net Zero Transition

EIP133

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# Equity in Net Zero Transition – Problem

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- Discontinuities like the energy system transition favour those with the capital, knowledge or connections to survive and profit from the change.
- This will disadvantage the majority of the population who do not have access to the resources to participate beneficially in the energy system transition (EST).
- Identification of new technologies and new systems of technologies and new ways of working are required to address physical inequity.
- Identification of new funding methods and commercial offerings are required to address this physical inequity.
- Solutions must not hinder energy system resilience or net zero roll-out.

# Equity in Net Zero Transition – Key Questions

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- What new technical solutions will address heating and energy production & storage for those where the present technical resources do not match the requirement? (eg no room for heat pumps of any sort)?
- What new financial solutions (including funding access to technologies) will address energy needs for those where the present financial resources do not match the requirement?
- What technical solutions might reduce the overall energy costs?
- However – this is our most difficult challenge – it's more socio-economic, less technical.

# Equity in Net Zero Transition – Activity

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- Projects already running in this space include:
  - Vulnerability mapping
  - Offgrid Communities
  - Rural Electrification
  - Boston Spa/BEET
  - Community DSO NIC
- All available on the smarter networks' portal.