ERP Utility 2050 Project Update: Transfer to the Energy Systems Catapult

26th April 2017
Project will provide insights for...

- **Policy Makers and Regulators** e.g.
  - Innovation to realise system benefits under each business model
  - Industrial Strategy once UK leaves the EU

- **Investors**
  - Size of “value pools” (in £) that might be available
  - Degree of risk some business models could face

- **Present Incumbents**
  - Strategy to navigate possible futures

- **User Groups (Society)**
  - Understanding types of services available and their valuation
  - Degree of behaviour change needed for new “energy life-styles”

- **ALL**: engagement in a “Strategic Dialogue” as to expectations
Project process

• Consider future changes

• Envisage business models

• Stress test against scenarios

• “Role play” the responses of each business model
Business models: e.g. “Grid defection”
Calculations: e.g. value pools in each scenario
Outputs:

e.g. match business models to scenarios
Next steps

• April: Segmented Societal Survey
  • to understand how different services will be valued in the future (survey completed and undergoing data analysis)

• May: Decision Theatres:
  • to define critical messages on commercial transition

• Adaptive pathways across three stakeholder sectors:
  • Government and Policy
  • Industry participants
  • Finance and Investment;
  • International Engagement: informing UK industrial strategy
Proposed transfer to ES Catapult

• Provide insights for:
  • FPSA project
  • Smart Systems and Heat Programme

• Develop Utility 2050 into a longer term project, including:
  • Impacts on whole energy system
  • Consumer engagement with business models
  • Commercial delivery
  • Metrics to allow integration with other work
  • Outputs which are clear and purposeful - understood by society.
**Timetable for transfer to ES Catapult**

- 26th April: Confirmation of ERP endorsement of transfer
- 28th April: Discussion with Steering Group
- 4th May: Further discussion with Energy Systems Catapult
- June 2017: Negotiation with Co-chairs and Secretariat re. details