



Future Energy Scenarios 2017

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nationalgrid

Supply



Demand





Demand























I&C Heating

120











Framework



I&C demand - 2030

Heat



nationalgrid **Residential demand - 2030** Consumer Power – Total: 363TWh Total: 274TWh - Two Degrees Heat 20% 68% 10% 78% 13% 7% 80% **〔11%**】 Total: 362TWh 7% 75% 79% Total: 337TWh - Slow Progression Steady State – Total: 360TWh Heat pumps Electricity Oil







Demand























Transport

60% Ownership

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Demand





Consumer Engagement









5W





60W 1970









SMART usage

SMART

 $\bigcirc \bigcirc$

6m

600k





Power

0-0-0 2006

523

63

0-0-0 2016







nationalgrid Consumer engagement results









Total Annual Electricity Demand

Electricity



nationalgrid

- Two Degrees - Slow Progression - Steady State - Consumer Power



nationalgrid Total Annual Gas Demand (excl exports)

Gas



---- Two Degrees ---- Slow Progression ---- Steady State ---- Consumer Power



Supply

















8.9GW

26 May 2017













Installed capacities - 2030





Supply





















nationalgrid



114 mcm Sep 2012











Imported gas 55%

nationalgrid

Indigenous gas 45%

Indigenous Supply - 2050

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Gas





CHANGE