



Future Energy Scenarios 2017

Marcus Stewart
Head of Energy Insights
October 2017





Briefly about National Grid...

Electricity Generators

Gas Producers and Importers

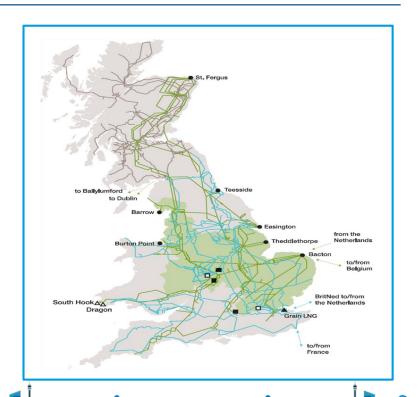
National Grid Transmission owner Electricity – E&W Gas - GB

Electricity
Distribution
Networks

Gas
Distribution
Networks

Commercial and Domestic Customers

Operat



We develop future energy scenarios and nationalgrid explore those through our thought pieces

nationalorid





Thought pieces



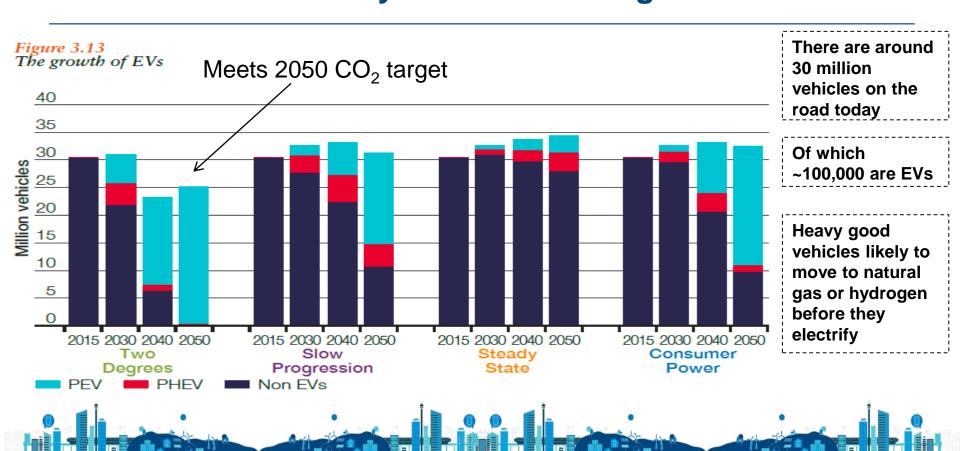




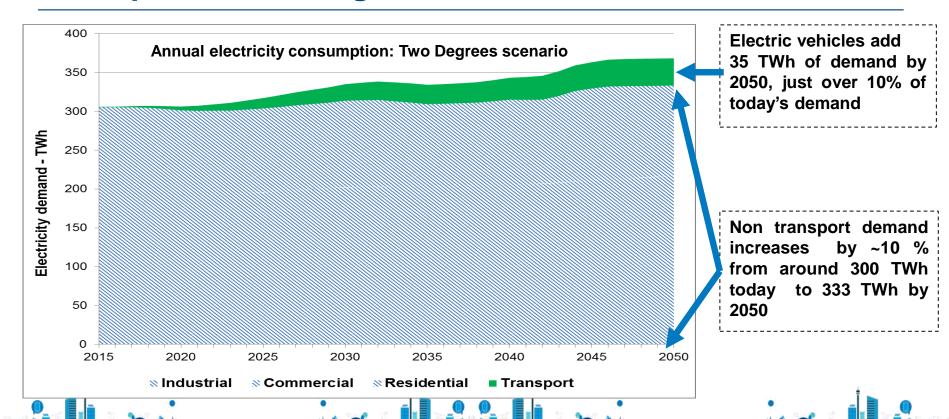
http://fes.nationalgrid.com/fes

We expect growth in all our scenarios national grid

- with all cars electric by 2050 in Two Degrees scenario

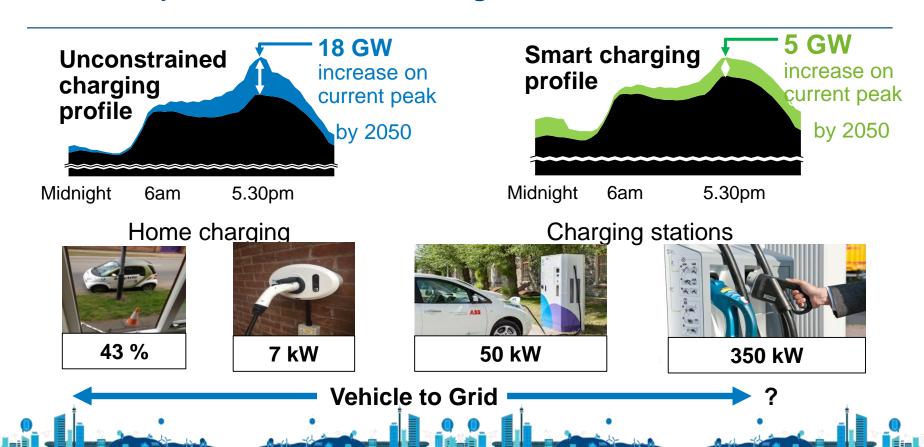


However, the impact on annual electricity national grid consumption is less significant...



It is not just how much energy is required, but when it is required, and how it is charged...

nationalgrid



nationalgrid

Key conclusions

- Electric vehicles are expected to develop rapidly, driven by technology and legislation.
- Electric vehicles will increase electricity demand, and smart charging will be essential if they are to be efficiently integrated into the electricity system.
- To meet diverse consumer needs, we expect there to be a mosaic of charging solutions, ranging from in home to rapid charge. Investment and innovation in electricity networks will be needed to accommodate the growth.



Please get in touch to carry on the conversation:

nationalgrid

Read our Future Energy Scenarios

http://fes.nationalgrid.com/fes-document/

Contact us about our Future Energy Scenarios Join our mailing list.

Transmission.ukfes@nationalgrid.com

Read our Thought Pieces:

http://fes.nationalgrid.com/insights/





Contact me:

marcus.stewart@nationalgrid.com

Keep up to date on key issues relating to National Grid via our Connecting website: www.nationalgridconnecting.com/

Write to us at: Energy Insights National Grid House Warwick Technology Park Gallows Hill Warwick CV34 6DA

