



Energy and Buildings

Opening presentation for South Shropshire Climate Action Group

Simon Ross

26 Sep 20

Theme 1: Influencing, awareness raising and education

- Helping others to take positive actions.
- Some examples to build on:
 - Town plans
 - Bishop's Castle
 - Herefordshire –nearly 50% of all local councils

Bishop's Castle Climate & Ecological Action Plan



Theme 2: Community action on energy generation

- Huge need
- Community buy-in
- Choices – need debate/ development
- Significant grid constraints/ costs
- But things are happening ...



**A mixed renewables option to achieve
100% renewables power by 2030**

17 solar farms

16,000 solar roof tops on homes

280 factory rooftop pv

14 small wind turbines

25 medium turbines

15 large wind turbines

To generate 350 GWh of annual power

Theme 3: Retrofit for all

- Focus on homes
- Experts by experience
- Trusted advisers and installers
- Wider retrofit models
- New build
- Develop a local retrofit model?

Mapping EPC data by Parliamentary Constituency

November 2015

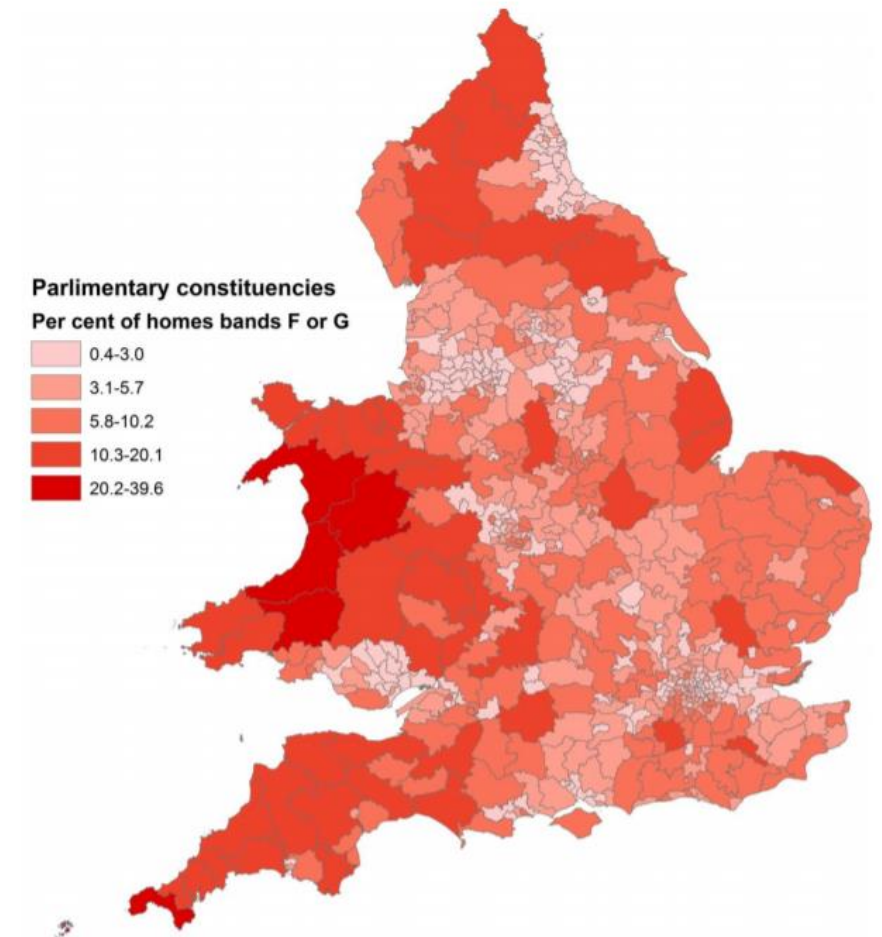


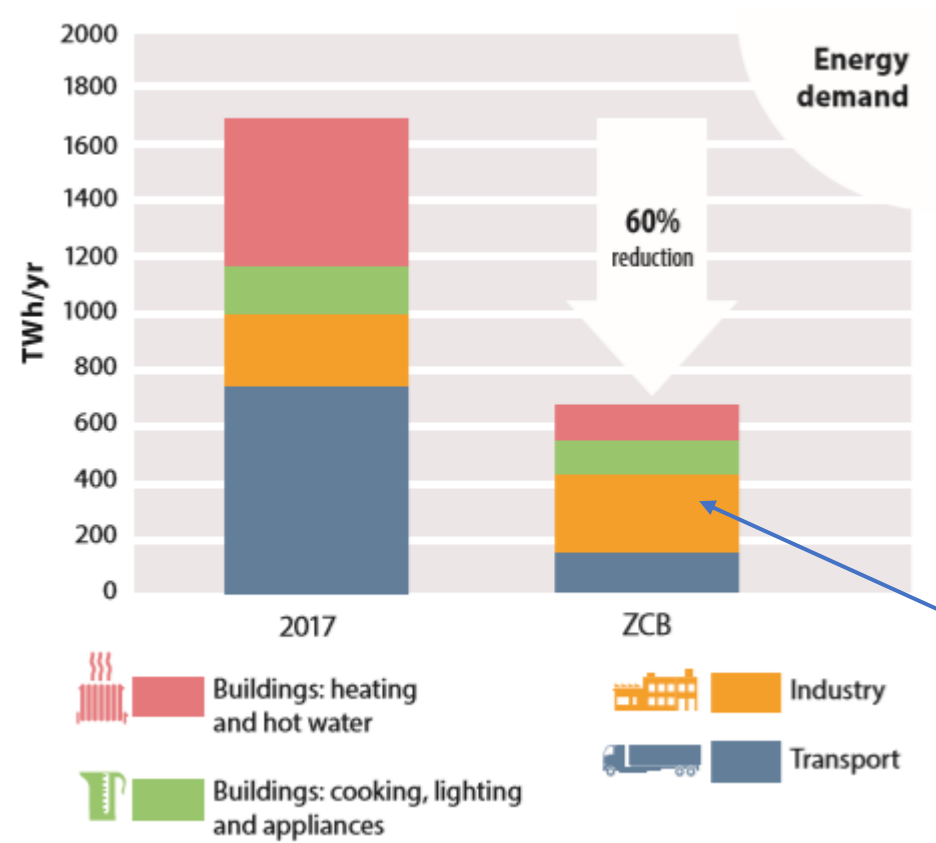
Figure 4.14: Proportion of dwellings with EPC ratings of F or G by parliamentary constituency from data provided by DECC using NEED

Theme 4: Supporting good business practice

- Which businesses have fitted measures?
- New low carbon offices/ businesses?
- Western Power Distribution & Cadent? Can we help?



Vision (challenge/ opportunity?) – by 2030!



- 40,000 homes
- 7,500 businesses
- 100+ public buildings
- 50,000 cars
- Investment
- Jobs

PLUS – renewables this bit

The Future we choose - surviving the climate crisis

What do we choose?

Internal pressure –
us and others

Paris
Agreement
Dec 15

Glasgow/ Nov 21
UK Government
Key

7.5% reduction pa
- unprecedented

2030
50% reduction

2050
Better world

momentum?

Which?

External pressure

- Trump etc
- Weather/ XR/ Thunberg etc
- Policy/ tech/ fin – align

2030
Not 50% reduction

2050
Unbearable
pain



from Christina Figueres' new book