

Climate Change

Presentation to Barningham Net Zero

From Helen Goodman

30/9/20

Impact of Covid Pandemic

- UK emissions down 30% in April
- Global emissions down 17% in April
- Figures for year as a whole 4-7%

- Concentrated in transport

Will it last?

- Behavioural not structural
- Relatively small
- Associated with pain
- Other demands on government
- Wake up call
- Respect for science
- Build back green

The climate crisis hasn't gone away

- Fires on US pacific coast
- Fires in Siberia
- Loss of forest in Brazil

Feedback loops

Where is the UK now?

- Down 42% since 1990
- 500mt carbon pa ow
 - business and industry 25%
 - transport 25%
 - power 21%
 - natural resources-15%
 - homes 13%

35% of all emissions are for heating

What about County Durham?

- Down 52%
- 2,200 kt CO₂ pa

- But the reductions have been in industry not transport or homes

Net Zero by 2050

- Is it soon enough?
- 2030 no longer feasible

What can I do?

- Travel and transport
- Energy efficiency at home/power sources
- Reduce waste
- Change my consumption patterns
- Change my eating habits

Why I can't act alone

- Lack control over infrastructure- how power is generated
 - EV charging points
 - public transport
 - building regulations
 - public buildings and lighting

Community Action

- Barningham Net Zero!

National Level

- Net zero by 2050
- 2017 clean growth strategy set a path for 80% reduction by 2050
- Government must act on

transport- do we want HS2?

industry and business

housing- 1m new homes

power(electricity)

natural resources

Green Jobs

- Build back green
- Green Jobs- £15bn
- Green skills
- Green infrastructure
- Conditions on bailouts

International level

- Cop26
- The overall reductions need to limit global warming to 1.5 degrees
- Burden sharing
- Free riding
- Legally binding
- Trade deals
- Technology transfer

2 ideas for local campaigning

- Peat- our carbon sink
- Stores 5bn tonnes of carbon
- Currently drying out and accounting for 5% of our CO2 emissions-losing 10m tonnes pa
- Could reverse this and add 3m tonnes pa
- ONS estimate £100m annual spend to achieve this – cheap option!
- But government is putting only £16m into peat

Geothermal

- Durham –Butterknowle fault and minewater
- Currently the government has a £3bn liability keeping old mines safe
- Scope for heating 7million homes-
- 16% of total electricity consumption
- 3% of CO2 emissions
- Creating 300,000 jobs- where they are most needed