

# Stepping stones to Paris and beyond: Climate change, progress, and predictability

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Parliamentary Commissioner for the  
Environment

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COP21 • CMP11  
**PARIS 2015**  
UN CLIMATE CHANGE CONFERENCE



# A sequence of targets

Kyoto 2012

Copenhagen 2020

Paris 2030

'50 by 50' 2050



# Climate Change Act 2008

## CHAPTER 27

### CONTENTS

#### PART 1

##### CARBON TARGET AND BUDGETING

###### *The target for 2050*

- 1 The target for 2050
- 2 Amendment of 2050 target or baseline year
- 3 Consultation on order amending 2050 target or baseline year

###### *Carbon budgeting*

- 4 Carbon budgets
- 5 Level of carbon budgets
- 6 Amendment of target percentages
- 7 Consultation on order setting or amending target percentages
- 8 Setting of carbon budgets for budgetary periods
- 9 Consultation on carbon budgets
- 10 Matters to be taken into account in connection with carbon budgets

###### *Limit on use of carbon units*

- 11 Limit on use of carbon units

###### *Indicative annual ranges*

- 12 Duty to provide indicative annual ranges for net UK carbon account

###### *Proposals and policies for meeting carbon budgets*

- 13 Duty to prepare proposals and policies for meeting carbon budgets
- 14 Duty to report on proposals and policies for meeting carbon budgets
- 15 Duty to have regard to need for UK domestic action on climate change







“Our membership overwhelmingly supports the 'apolitical approach' to climate change solutions being advocated by Generation Zero.”

Young Nats on Facebook









# Climate Change Act 2008

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# Key features of the UK Climate Change Act

1. Emission targets in law
2. Carbon budgets - the stepping stones
3. Policies set by Government
4. Expert advisory body



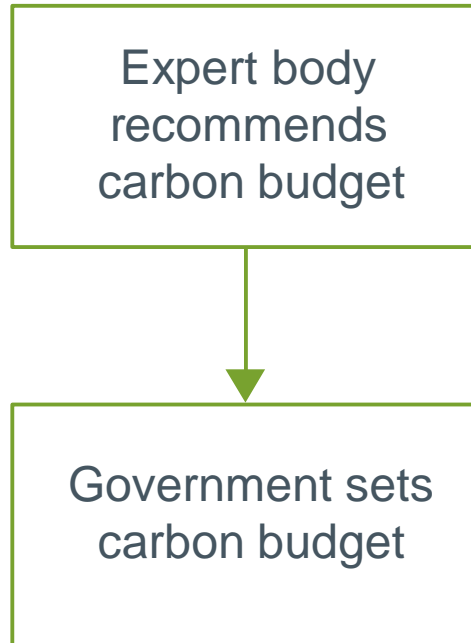
# Process in UK Climate Change Act



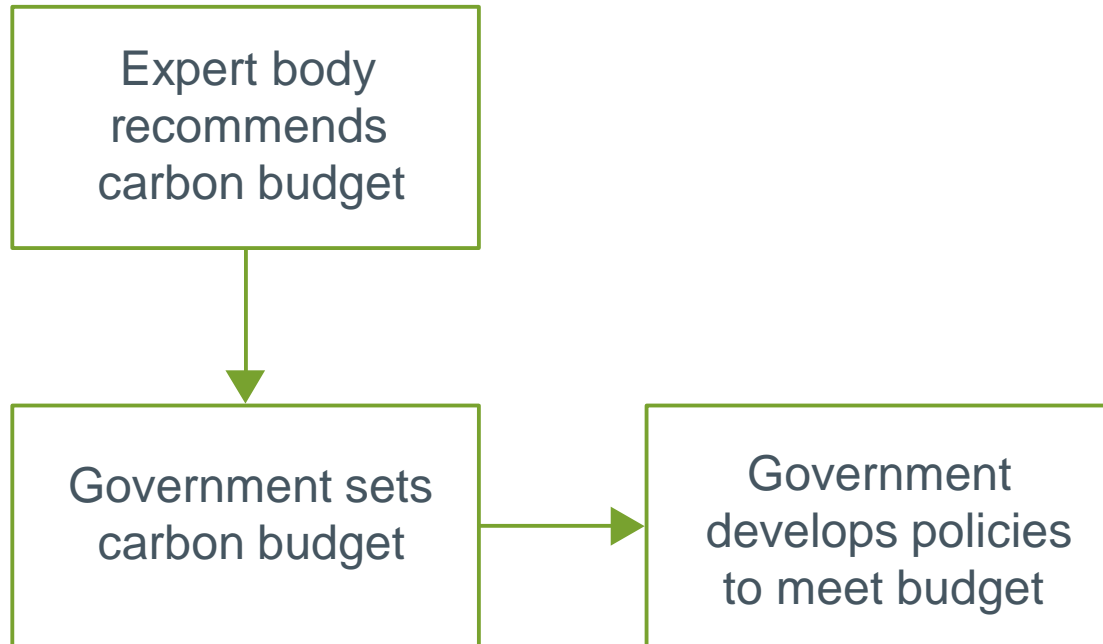
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Expert body  
recommends  
carbon budget

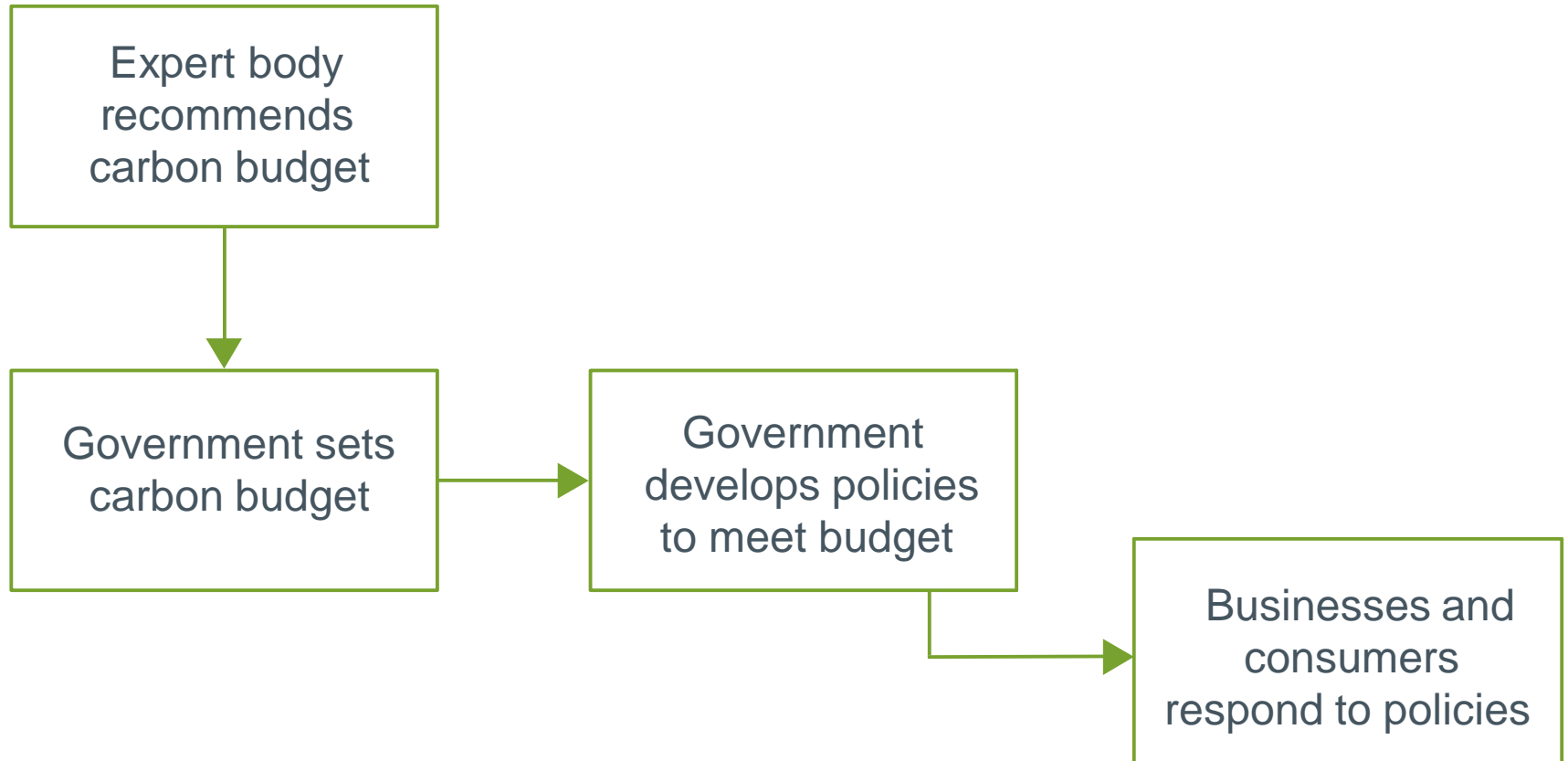
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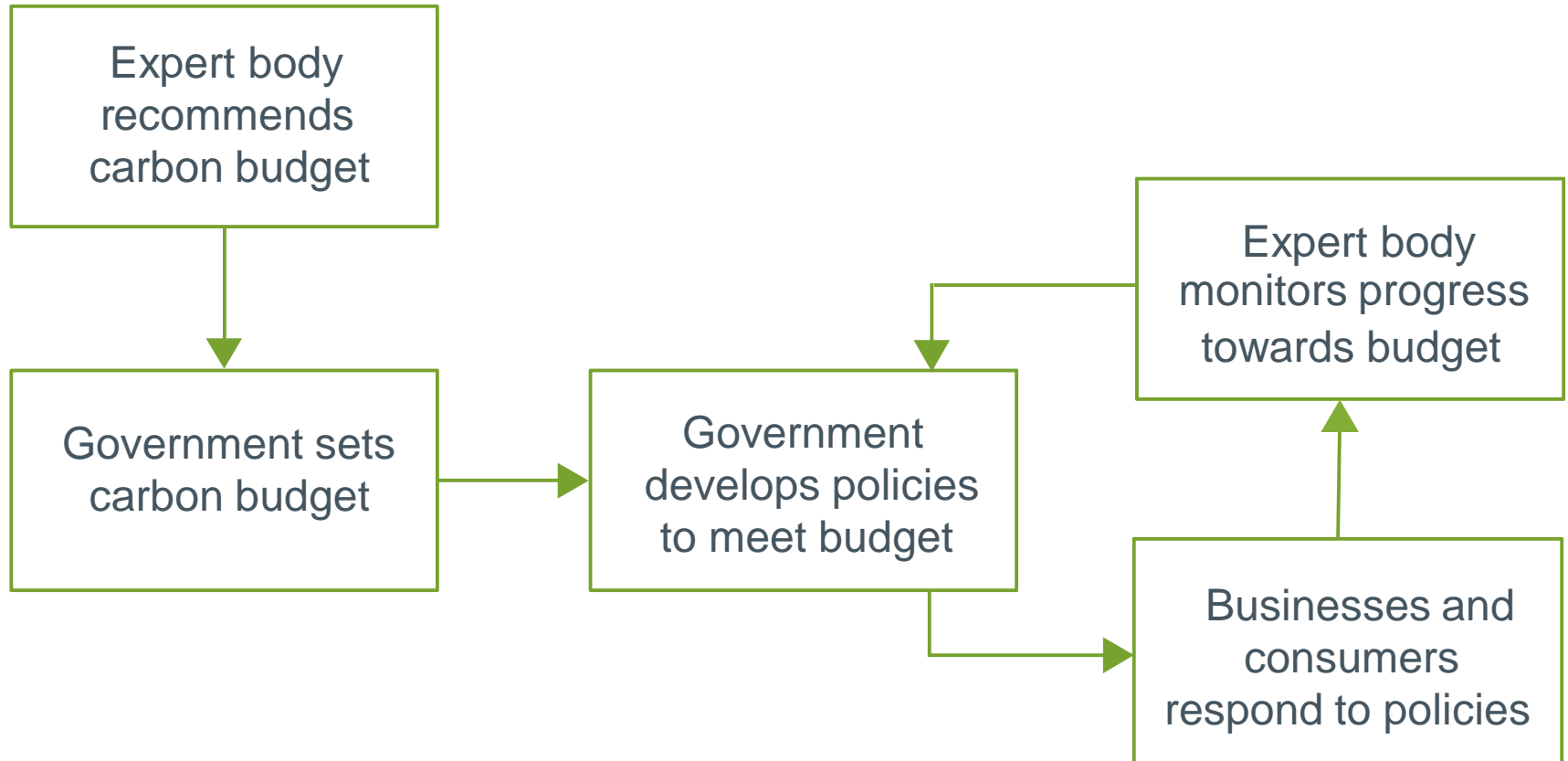


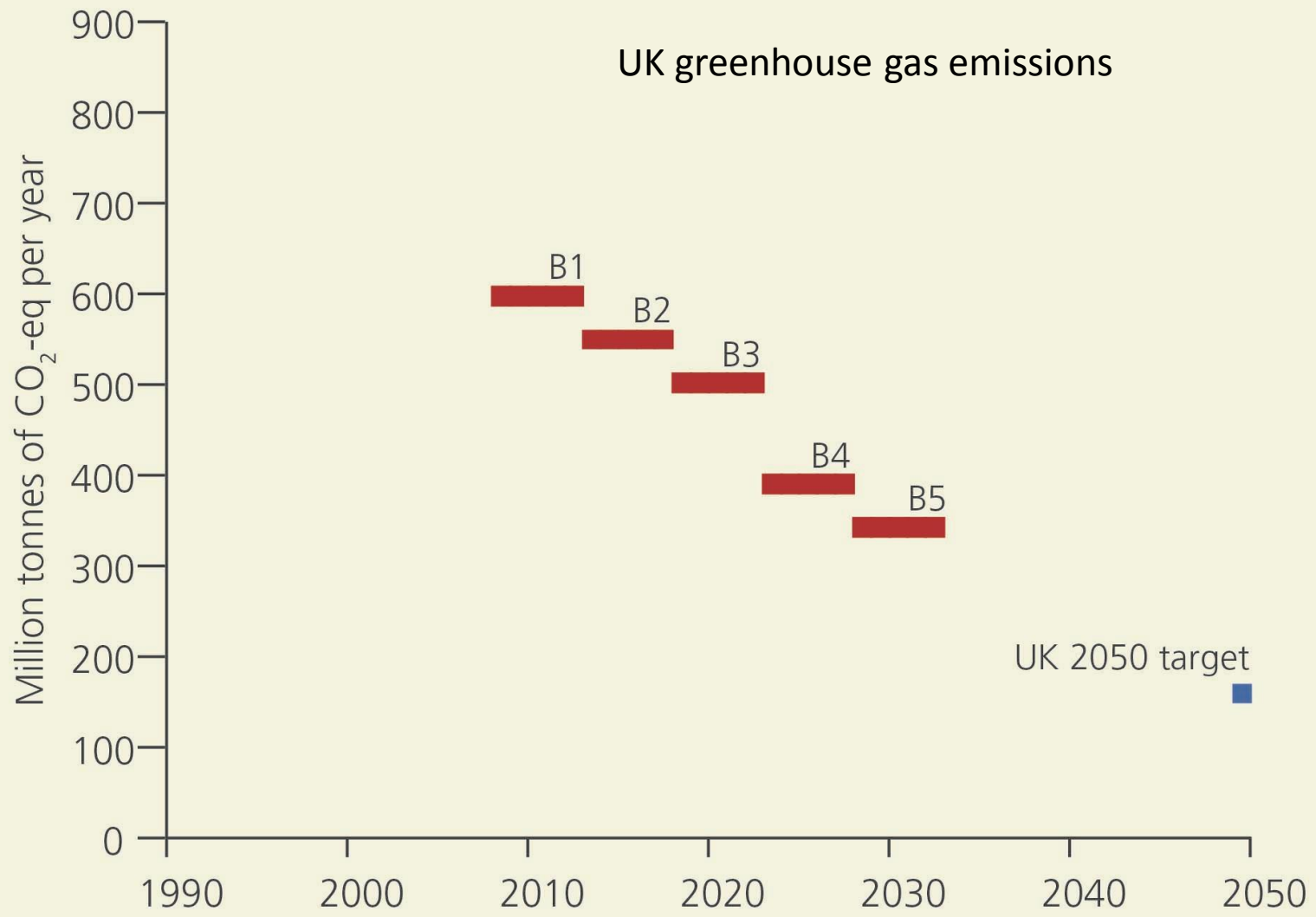
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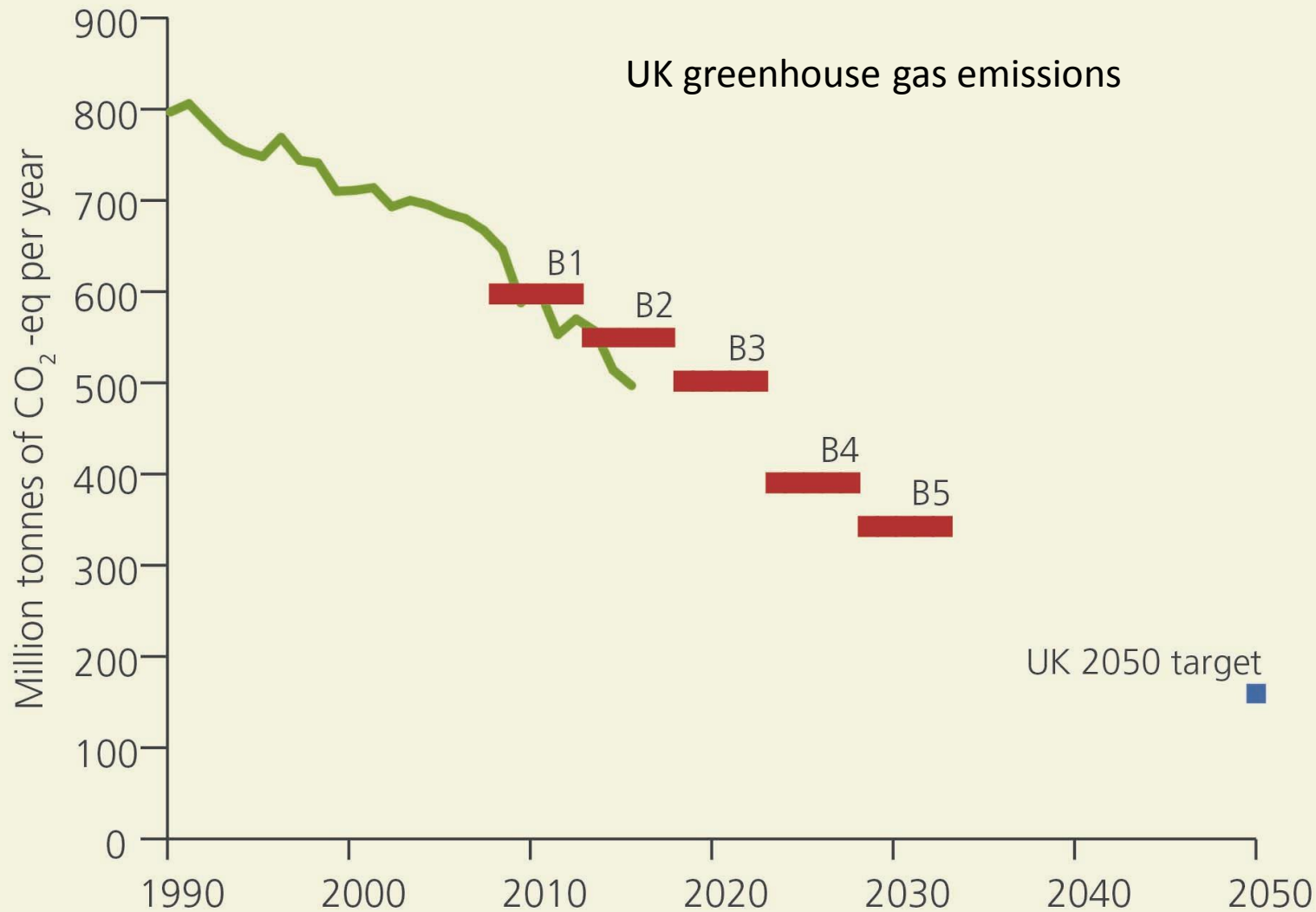




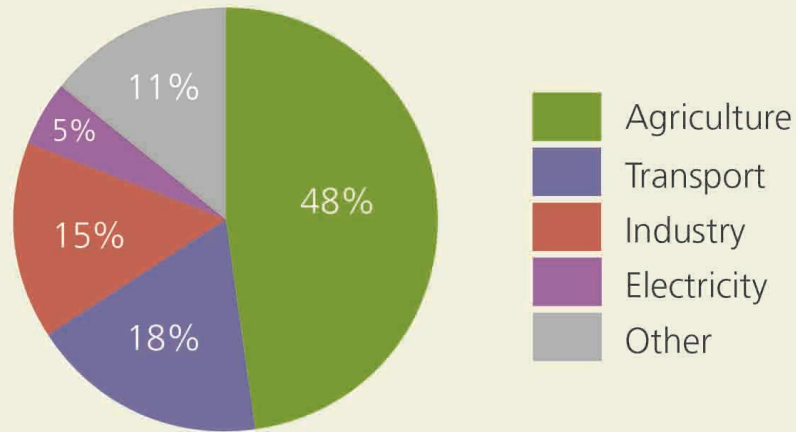
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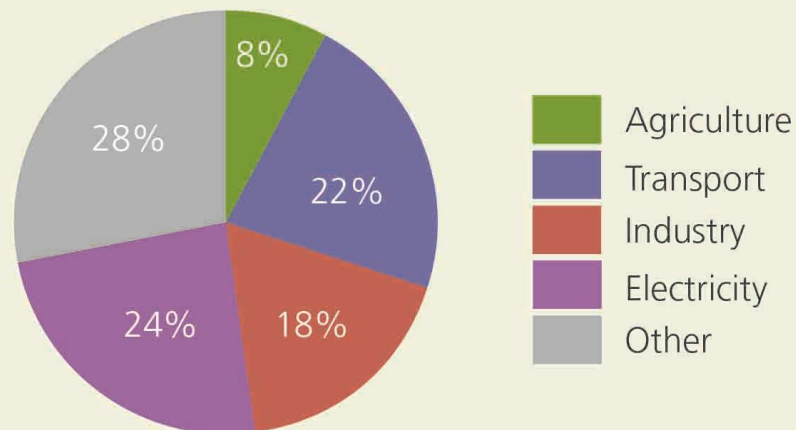




### New Zealand



### United Kingdom



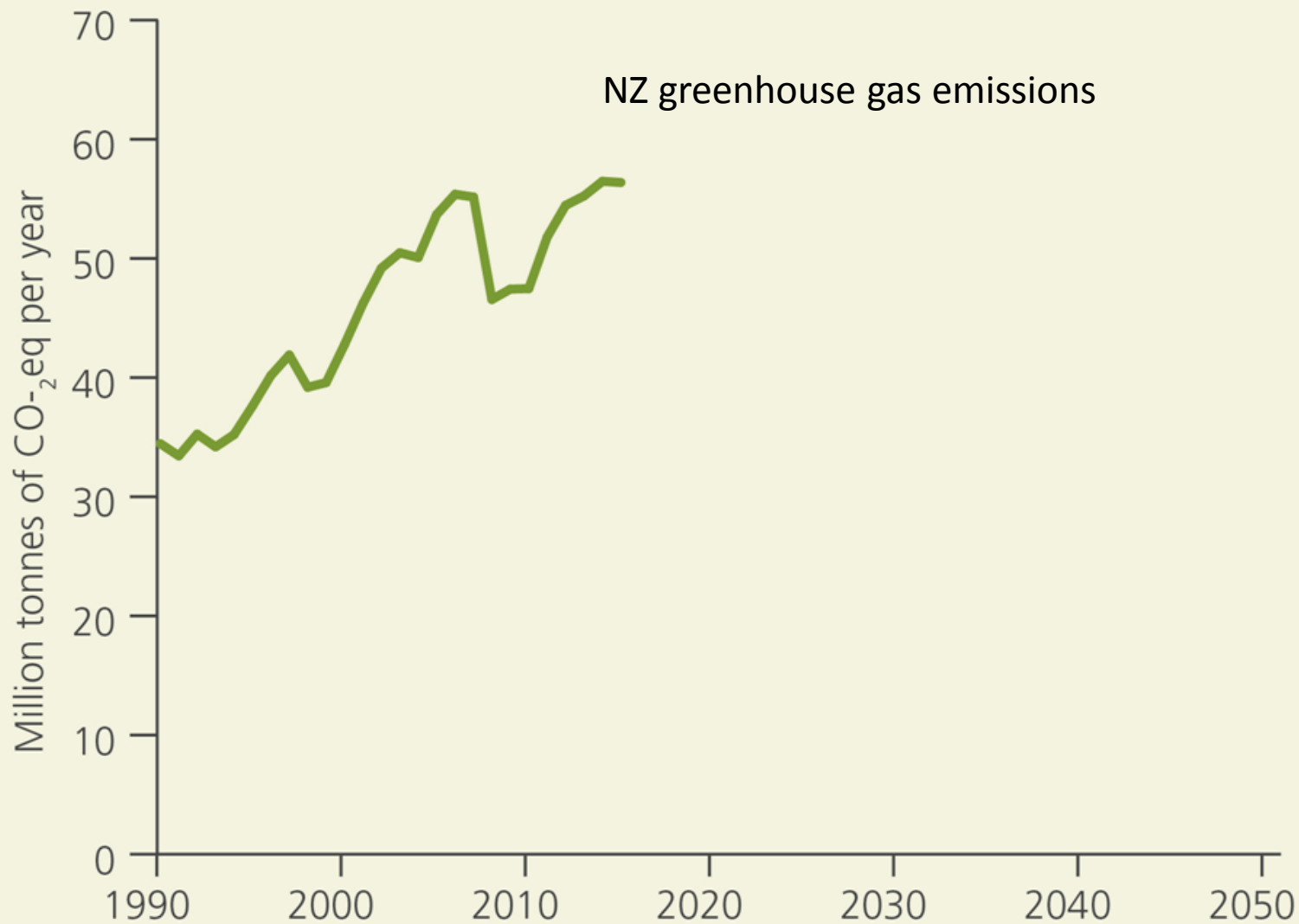












# Should NZ have a UK-style climate law?

Yes



# The importance of analysis, number crunching, questioning

# Organisation of Petroleum Exporting Countries (OPEC)



Renewable energy = good  
Non-renewable energy = bad



Renewable is not the point  
anymore - carbon is



# Renewable is not always the same as low-carbon



# CO<sub>2</sub> from geothermal generation

Field	CO <sub>2</sub> (g/kWh)
Wairakei	32
Poihipi Road	35
Mokai	66
Rotokawa	105
Kawerau	226
Ohaaki	249
Ngawha	597





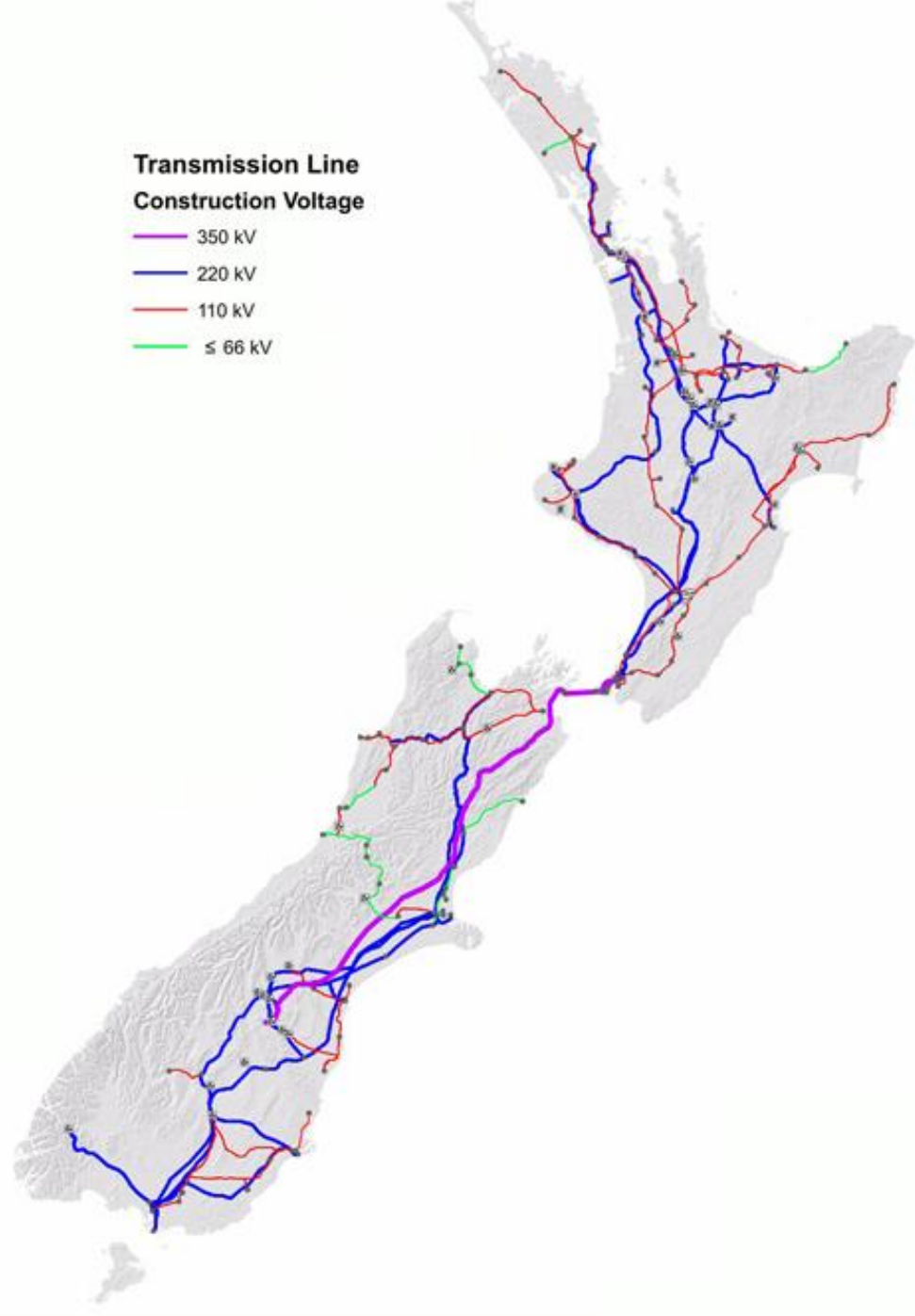




**Energy Efficiency and  
Conservation Authority**  
Te Tari Tiaki Pūngao

# Distributed generation is better than centralised generation

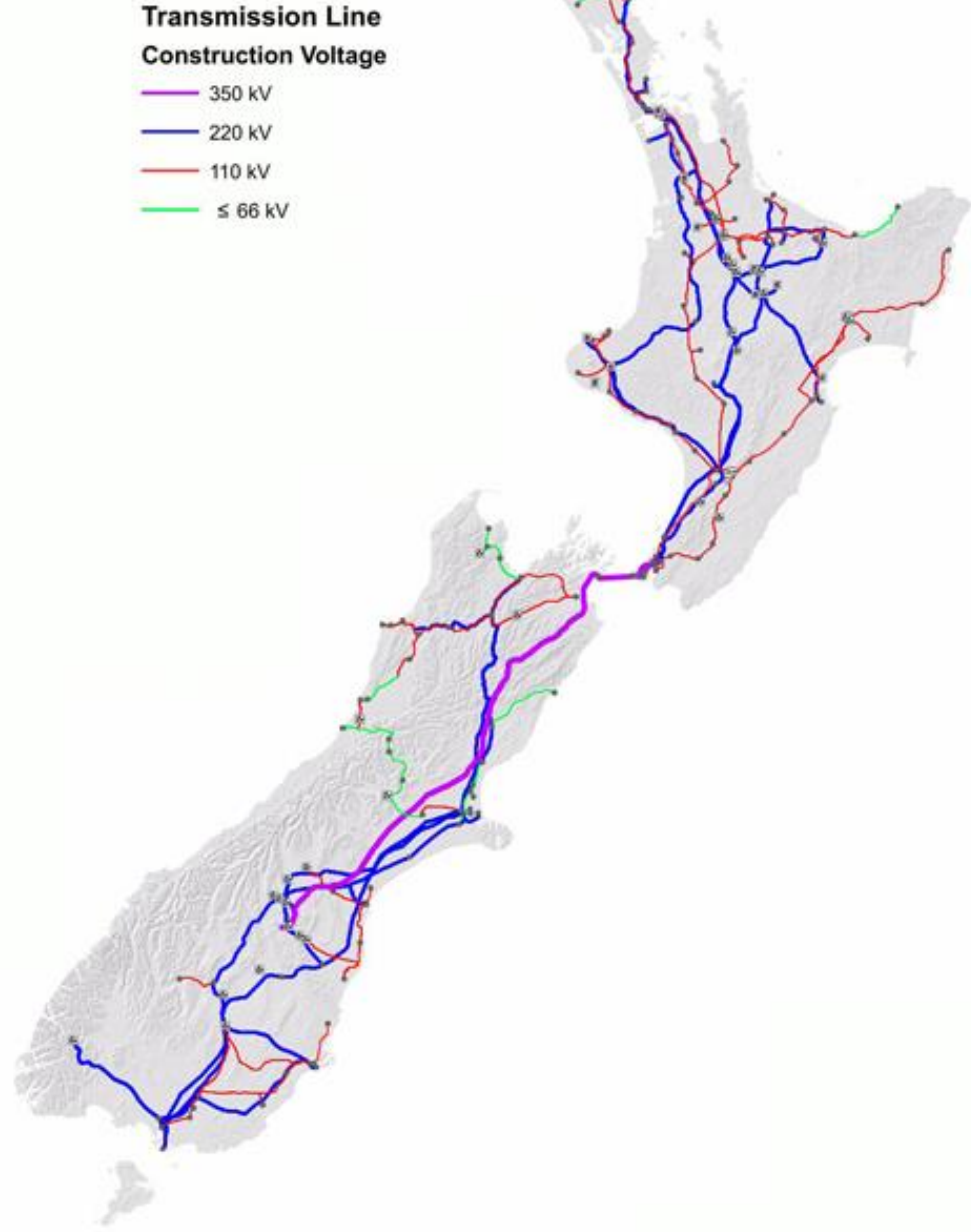














Thank you

[www.pce.parliament.nz](http://www.pce.parliament.nz)

