



Can the UK's Energy and Climate  
Policy deliver?

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# Aiming for 2010 Renewable Energy

Philip Wolfe

*Renewable Power Association*



# Programme

- White Paper policy headlines and how we're doing against them
  - Infrastructure
  - Diversity
  - Business
- The policy gaps



# Pillars of UK policy

- Renewables Obligation
  - For currently competitive sources:  
Biogas, hydro, onshore wind
- Capital grants
  - For near term resources:  
Offshore wind, biomass ?
- R & D and market building
  - For emerging technologies:  
Tidal, solar, wave

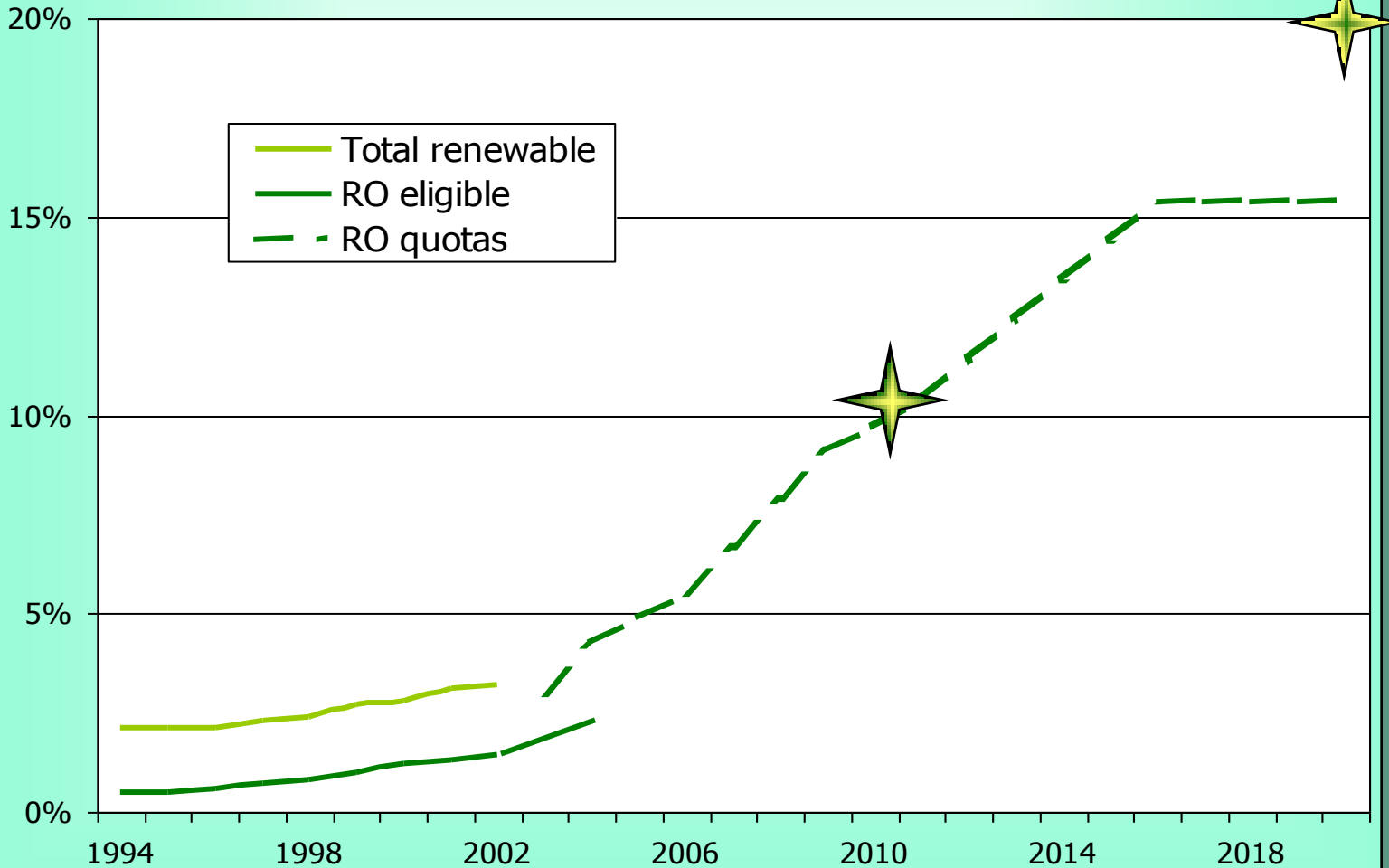


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# Aiming for a Quantum Leap





# The White Paper on Infrastructure

## Structural barriers to renewables & CHP

- ? NETA evolving to eliminate problems  
*... into BETTA – the same but more so!*
- ? Planning needs to be streamlined  
*PPS22 published at last, not yet adopted*
- ✓ People make the difference  
*Upcoming 'Hearts & Minds' campaign*
- ✗ Accommodating national security  
*MOD still oppose nearly half RE projects*
- ? Learning to handle intermittency  
*Not yet an issue. Diversity would solve*



# The White Paper on Diversity

Technologies are at different stages

- Offshore wind – about to take off  
*Two projects in progress. Who funds Phase 2?*
- Biomass & waste – need momentum  
*No effective new policy measures*
- Wave & tidal – potentially important  
*Need for effective transitional support*
- Solar PV – potentially very large  
*Need for effective transitional support*
- Fuel cells – a long term advantage  
*No effective new policy measures*

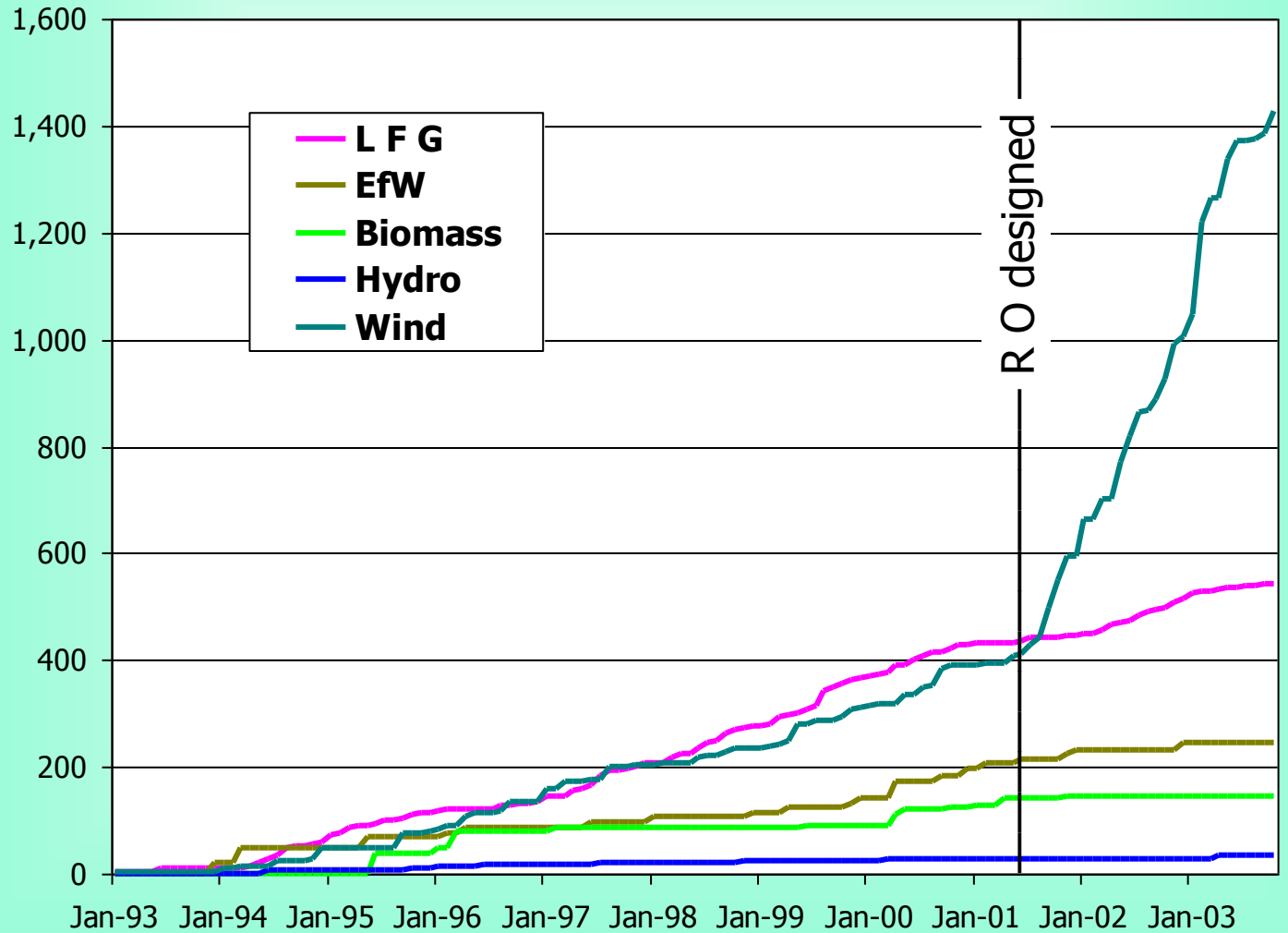


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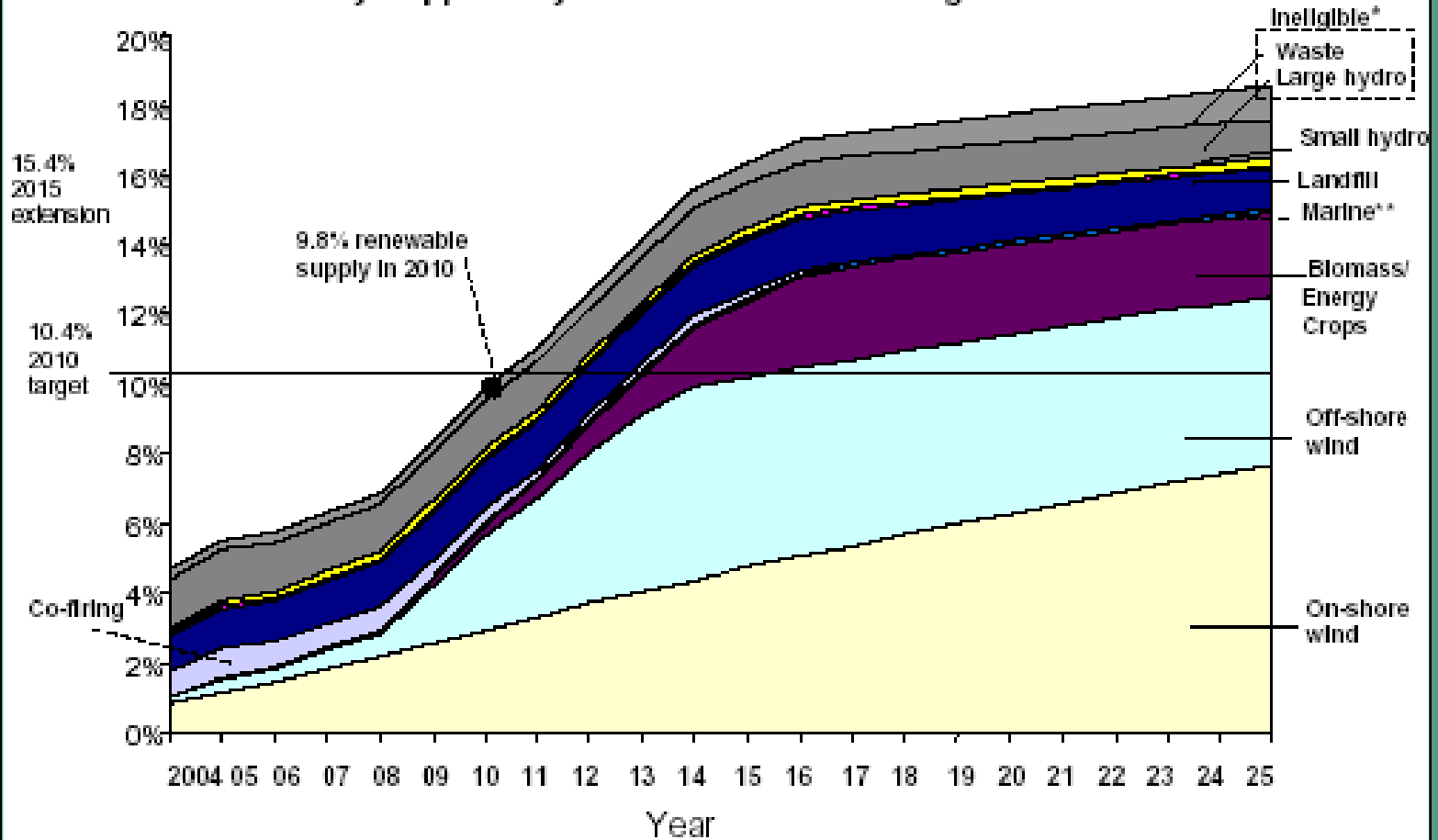


# Diversity – the issue



# DTI future projection

Possible scenario  
 % of electricity supplied by renewables 15.4% obligation in 2015



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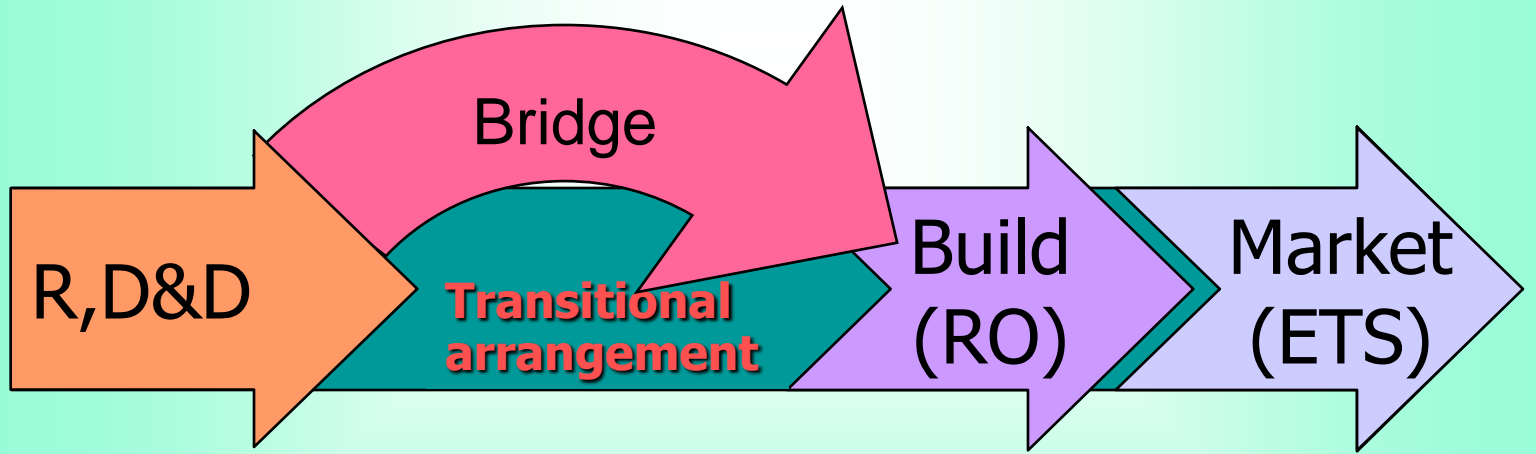
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# Diversity – the solution

Tidal  
Wave  
Solar  
Biomass  
Wind  
Biogas  
Hydro



Developing

Proving

Maturing

Free-market

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# The White Paper on Business

We still need to do more

- ? Innovation, R & D are crucial  
*Innovation Review inconclusive*
- ? Research is needed  
*Spending Review may help*
- x Big opportunities for UK business  
*Need for effective transitional support*
- ✓ Widening the ROC market  
*Extended to 2015. Needs market governance*
- ? No new nuclear build  
*But still 10x more Government funds than RE*

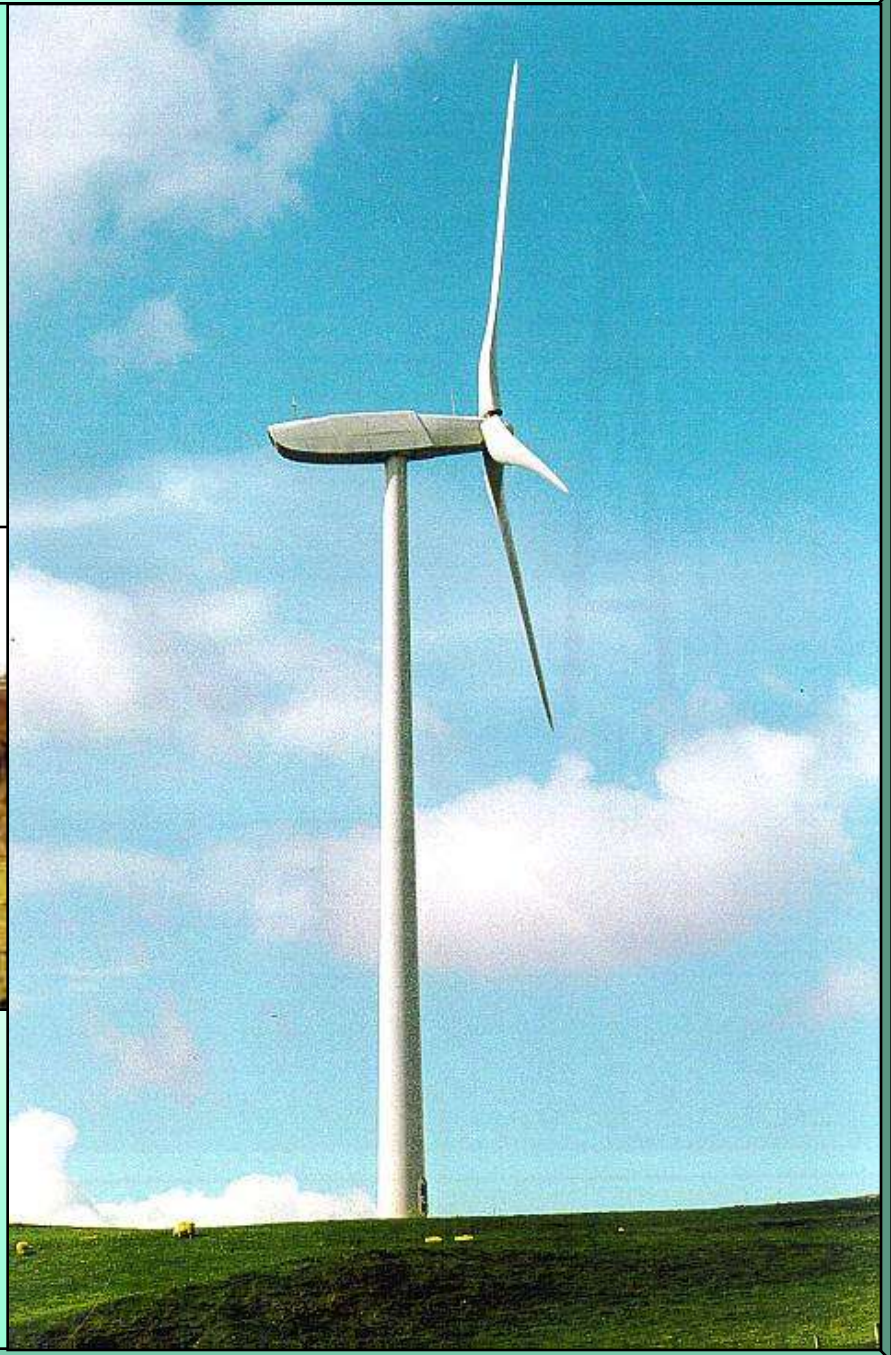


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# Once upon a time







# Full-scale wave devices

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# Full-scale tidal devices





# Energy Policy on renewables

*On paper:*

Visionary leap towards a bright new future

*In practice:*

A small nudge in the right direction

Philip Wolfe

*Renewable Power Association*



# Progress on White Paper Low carbon priorities

*Done/Due/Total*

**4/6** Energy Efficiency

*/15*

10MtC/year by 2010

**7/8** Renewables

*/12*

10% by 2010 (10GW new capacity)

20% by 2020

**3/7** Combined heat & power

*/8*

10GW by 2010 (from 5GW today)