

# Microgeneration - residential

All-Energy 2010  
Aberdeen  
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Directorate for the Built  
Environment



# Planning reform in Scotland



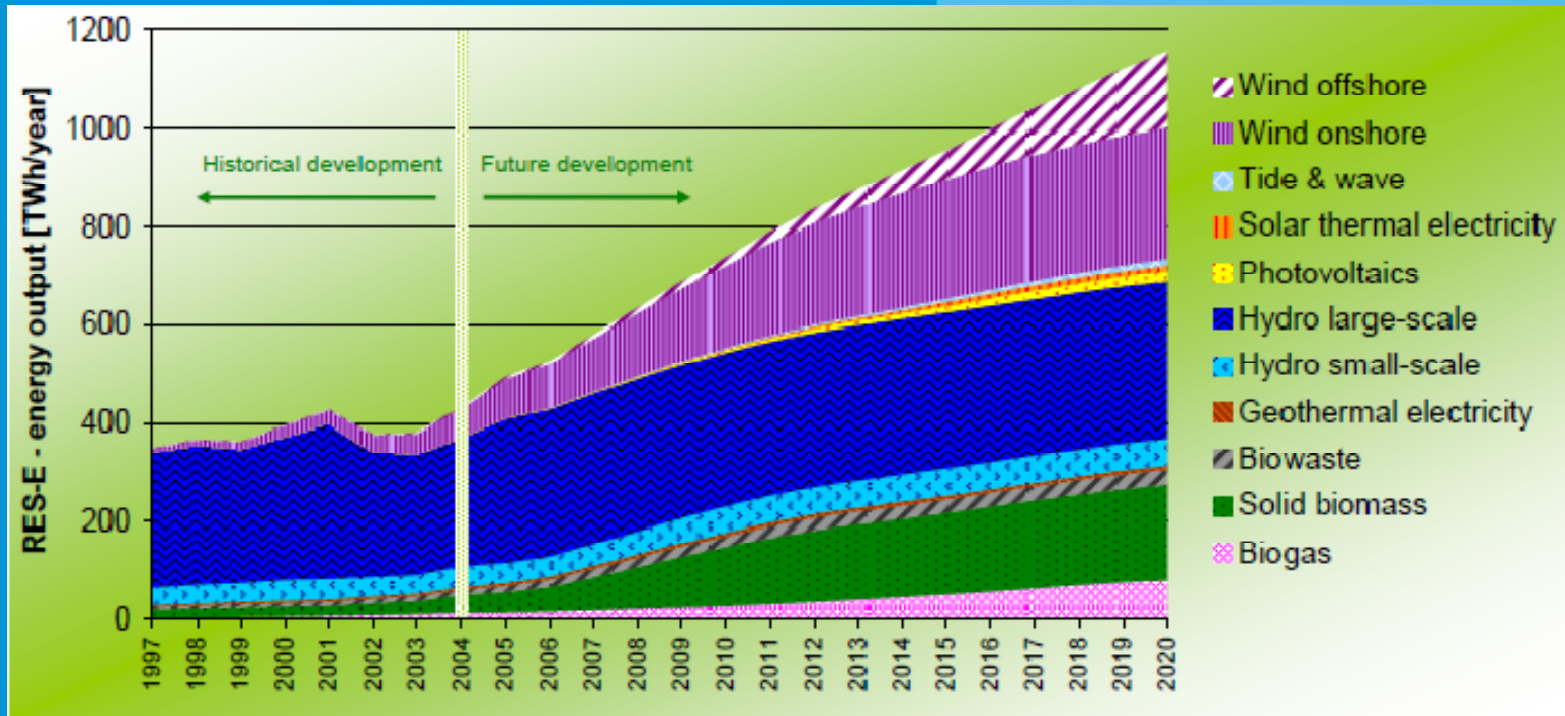
- National Planning Framework 2
- Scottish Planning Policy
- Planning Advice Notes reviews
- Hierarchy of developments
- Permitted development rights (PDRs)
- 2009 PDR Order in place – GSHPs etc

# Climate Change (Scotland) Act 2009



- Sections 70-73
- Domestic MWT + air source heat pump PDR Order in place February 2010
- Further consultation on extending PDRs closed in April
- LDP policies on LZCT

# Trends



# PDRs - what's all the fuss?



- Incentivising householders
- Tackling climate change
- Reducing CO<sub>2</sub> emissions
- Stimulating economic recovery
- Growing microgeneration industry
- Creating off-grid opportunities
- Reducing planner workloads

# Microgeneration – the limits



- Energy Act 2004
- 50 kW electric, 45 kW thermal
- No definition of domestic - typically up to 6 kW elect (16 kW therm)
- Towards 50 kW could be considered a scale of development requiring a planning application
- Getting the planning interface right

# Technologies



- GSHP, WSHP
- Solar PV or thermal
- Free-standing solar
- Flues (biomass or CHP)
- MWT + anemometry
- ASHP

# 2010 Order issues



- Distance criterion – 100 metres
- Rural situations only
- Prior approval (MWT)
- Prior notification (ASHP)
- Explained in Circular 2/2010
- No Tech. Standards Directive compliance
- Intention to bring in MCS in revised Order (TSD compliant)

# Sensitivities



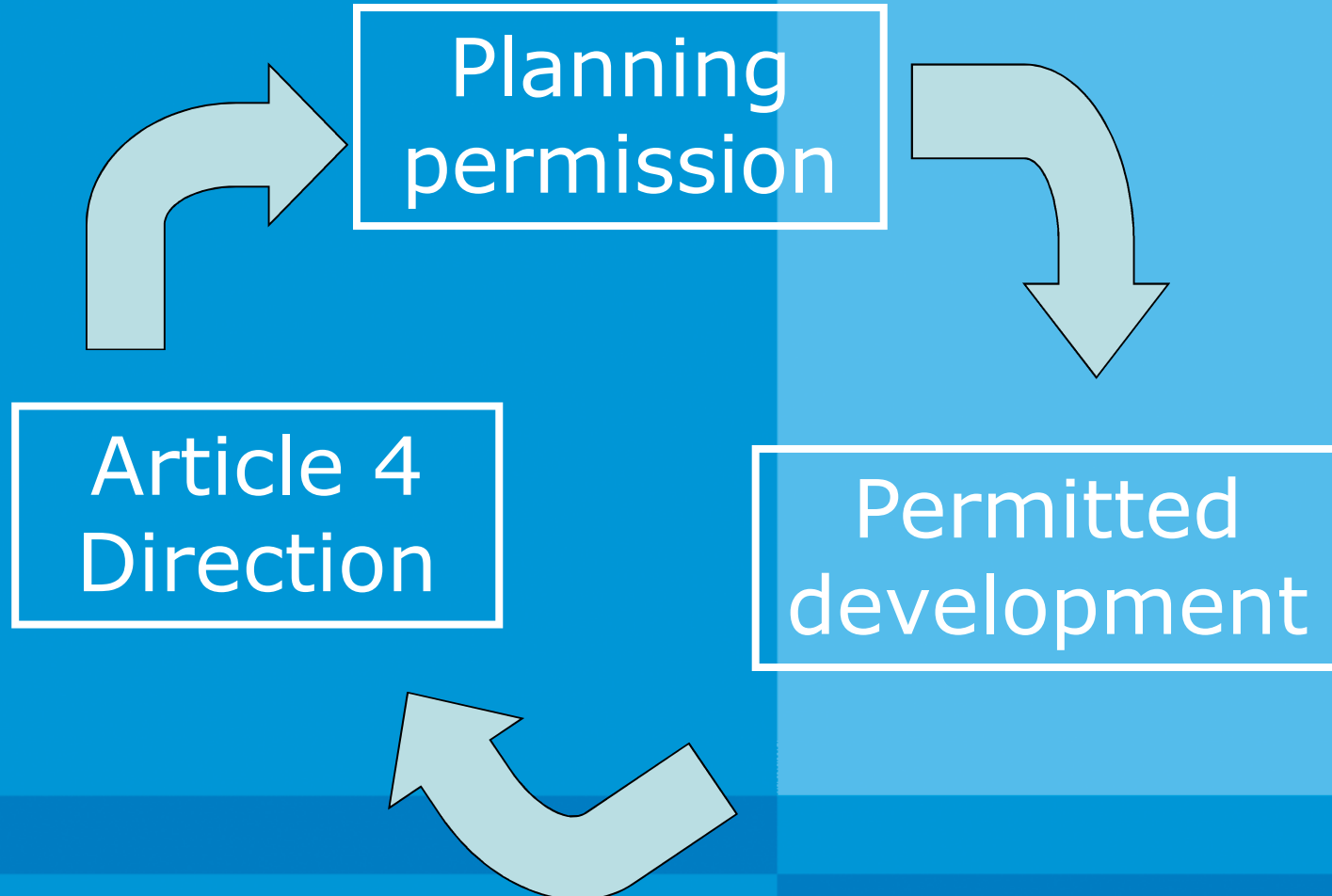
- Height of towers and sweep of turbine blades; shadow flicker: visual impact
- Noise, vibration (MWT + ASHP)
- Protected species
- Aviation + telecomms safeguarding
- Environmental health
- Cumulative effects
- Article 4 Directions

# Solutions



- Resolve sensitivities as far as possible by consultation
- Appropriate permitted development criteria
- Aviation safeguarding webtool
- Microgeneration Certification Scheme

# A vicious circle?



# Summary



- Analyse responses to consultation
- Focus on use of MCS
- Must notify proposals to Brussels under Technical Standards Directive
- Aim to introduce further domestic PDRs for MWT and ASHP this year