

EU Renewable Energy Directive - proposals for an ambitious implementation

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New Renewable Energy Directive

- Agreed December 2008
- Targets '20: EU 20%(+13% from 2005), national targets around +13% from 2005
- 10% renewables in transport: biofuels, electricity
- Biofuels sustainability: CO₂ emission reduction 35%; 50-60% in 2017, sustainable
- Sharing targets between countries with statistical method, not Green Certificates
- Efficiency requirements: heat pumps, bio-boilers
- National 'Action Plans due June 30, 2010

National Renewable Energy Action Plans

- **Targets for Renewables in electricity, heating/cooling, transport, annual expected developments**
- **Expected annual development of each type of renewables**
- **Existing policies that promotes and/or hinder renewables (incl. network pol.)**
- **Planned policies to achieve targets**
- **Involvement of local authorities, public consultation**
- **Insufficient plans can be rejected**

Recommendations for RE Action Plans:

- Most countries can exceed their targets – and should do so
- All countries can reach target domestically – don't use joint projects or statistical transfers
- For RE-transport target: use electric vehicles as much as possible, count railways as road transport (factor 2.5), avoid imported biofuels when in doubt about sustainability
- Use admin. procedures to promote RE, network access, etc.
- Build good, efficient information and training
- Ensure sustainability of liquid biofuels and other biomass

Use Adm. Procedures, regulation


- One-stop-shop applications, easy application for small installations,
- Include RE in land-use planning (e.g windpower)
- Fair grid access, only payment of own lines
- Building codes to require solar and RE-share >5%
- Higher efficiency demands for heat pumps
- RE-share requirement for district heating
- Transition plans for public energy use in 20 years

Information and training

- Practical, unbiased, pro-active info for users, via internet and locally, via NGOs and others
- Special websites for professionals
- Activities funded from levy on energy use
- Training: practical and theoretical, some weeks
- Qualify to full installation of RE by one installer
- Training for professionals
- Public authorities that issue building permits must have training

Thank you for your attention

- we have just two month more



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