Proposal for a recast of the Renewables Directive

22 March 2018
### MOVING TO A NEW MORE EUROPEAN APPROACH TO RENEWABLES

<table>
<thead>
<tr>
<th>2020</th>
<th>2030</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>20 % RES share overall</strong></td>
<td><strong>At least 27 % RES share</strong></td>
</tr>
<tr>
<td>National binding targets for RES</td>
<td>Binding at EU level</td>
</tr>
<tr>
<td>Specific target for RES-Transport</td>
<td>No national or sector specific targets</td>
</tr>
</tbody>
</table>
THE REVISED RES DIRECTIVE – KEY OBJECTIVES

- Investment certainty
- Cost-effective deployment
- Promoting innovation in transport
- Tapping heating and cooling potential
- Empowering Citizens and Communities
- Strengthening bioenergy sustainability

Contributing to the EU political priority of becoming world number 1 in renewables

&

Achieving the at least 27% EU-level binding renewables target cost-effectively
PROMOTING A STABLE FRAMEWORK FOR RENEWABLE ELECTRICITY

Support to be **market-responsive** and **cost effective**

**Visibility** for investors (3-year cycle)

Gradual and partial **opening to cross-border participation**

**Stability** of financial support (**no retroactive changes**)

STATE AID RULES

1. Guidelines

2. Case by case notifications to and assessment by DG COMP
## EMPOWERING CITIZENS AND COMMUNITIES

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Renewable self-consumers</td>
<td>to be allowed to generate, store, sell and consume their own electricity</td>
</tr>
<tr>
<td>Renewable self-consumers in multifamily houses</td>
<td>to be allowed to generate, store, sell and consume their electricity jointly</td>
</tr>
<tr>
<td>No disproportionate procedures and charges that are not reflective</td>
<td></td>
</tr>
<tr>
<td>One stop shops, time limits and simple notification for small scale</td>
<td>installations were included</td>
</tr>
<tr>
<td>Improved Guarantees of Origin</td>
<td>for better consumer information</td>
</tr>
</tbody>
</table>
ADDRESSING THE UNTAPPED POTENTIAL OF HEATING & COOLING

**WHY**

*High untapped potential*: a major contribution of the sector is crucial for a cost-optimal target achievement (currently only 19 % RES share in H&C).

**HOW**

Member States **endeavour to increase their share of renewable energy in heating and cooling supply**, by 1 percentage point per year until 2030.

**Access rights to local district heating and cooling** systems for producers of renewables heating and cooling and waste from industry and third parties acting on their behalf.
Challenge in transport

Key figures transport:

- 32% of final energy consumption
- Relies on oil for 94% of its energy needs.
- 22% of total GHG emissions
- GHG emissions remain higher than in 1990.

Source: Primes, 2015 shares in transport energy consumption
Promoting renewables in transport

Increasing the share of low carbon and renewable fuels in transport through an EU blending mandate
Summary of the revised bioenergy sustainability criteria

**GHG SAVINGS from supply chain**
- 70% for new biofuels/biogas plants
- 80% (85% in 2026) for biomass and biogas in heat and power (only for large plants equal/above 20 MW)

**CHP requirement for bioelectricity:**
- Applies to new bioelectricity plants (equal/above 20 MW); 3-year transition period after adoption of Directive + exceptions for national risks of security of electricity supply
## ANNEX I. OVERVIEW OF EP AND COUNCIL POSITIONS

<table>
<thead>
<tr>
<th></th>
<th><strong>EP report as amended in plenary on 17 January 2018</strong></th>
<th><strong>Council general approach on 18 December 2017</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Union target</strong></td>
<td>35% EU target</td>
<td>At least 27% EU target</td>
</tr>
<tr>
<td><strong>Electricity-Opening of support</strong></td>
<td>Mandatory</td>
<td>Voluntary</td>
</tr>
<tr>
<td><strong>Heating &amp; Cooling</strong></td>
<td>EP keeps the &quot;shall endeavour&quot; but includes a 2ppt increase in RES in H&amp;C to accompany the increased level of ambition in the overall RES target.</td>
<td>MS &quot;shall endeavour&quot; to increase RES in H&amp;C by an indicative 1ppt</td>
</tr>
<tr>
<td><strong>Transport</strong></td>
<td>Propose sub-sector target</td>
<td>Propose sub-sector target</td>
</tr>
</tbody>
</table>
Sector Coupling

“Sector coupling is the use of energy from one sector in another through conversion technologies, creating a spatially and temporally optimised low carbon energy system”
Linking the Power and Transport Sectors - M. Robinius, Otto et al.