Progress in Promotion in Renewable Energy in the Energy Community

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Energy Community Secretariat

Cost-effective renewable energy in South East Europe
Vienna, 3-4 March 2016

- **Included in energy acquis - Article 20 of the Treaty establishing the Energy Community – October 2012**

- **Deadline for implementation - 1 January 2014**

- **Deadline for submission of NREAP – 30 June 2013**

- **Mandatory overall targets to 2020, 10% RES in transport**
  - Indicative trajectories to 2020
  - Indicative per sector: RES-E, RES-H
  - Binding for RES-T
2020 RES Targets

- **ALBANIA**: 31% (RES Share 2009), 38% (2020 RES target)
- **BOSNIA AND HERZEGOVINA**: 34% (RES Share 2009), 40% (2020 RES target)
- **CROATIA**: 13% (RES Share 2009), 20% (2020 RES target)
- **FYR OF MACEDONIA**: 22% (RES Share 2009), 28% (2020 RES target)
- **KOSOVO***: 19% (RES Share 2009), 25% (2020 RES target)
- **MOLDOVA**: 12% (RES Share 2009), 17% (2020 RES target)
- **MONTENEGRO**: 26% (RES Share 2009), 33% (2020 RES target)
- **SERBIA**: 21% (RES Share 2009), 27% (2020 RES target)
- **UKRAINE**: 5.5% (RES Share 2009), 11% (2020 RES target)

*Throughout the entire document, this designation is without prejudice to positions on status, and is in line with UNSCR 1244 and ICJ Opinion on the Kosovo declaration of independence.*
## 2020 RES Targets – revised 2009 biomass data

<table>
<thead>
<tr>
<th>Country</th>
<th>Hydro</th>
<th>Biomass</th>
<th>Biofuels</th>
<th>Geothermal</th>
<th>Solar</th>
<th>Additional effort</th>
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<td>11%</td>
<td>6%</td>
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<tr>
<td>BiH</td>
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<td>21%</td>
<td>6%</td>
<td></td>
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<tr>
<td>FYR of Macedonaina</td>
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<tr>
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<td>6%</td>
<td>6%</td>
<td>16%</td>
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*Note: Additional effort includes measures beyond the RES targets.*
## NREAP status

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<th>NREAP adopted</th>
<th>Progress Report</th>
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<td>Albania</td>
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<tr>
<td>Ukraine</td>
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<td>✓</td>
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</table>

* NREAP design to meet the 2020 targets in 2030, due to not revised biomass data

RES Share vs. RED minimum Trajectory 2011/2012 [%]

- Median of 2011/2012 Shares
- RED minimum trajectory 2011/12
- RED Target 2020

Albania, Bosnia and Herzegovina, Kosovo*, Moldova, Montenegro, FYR of Macedonia, Serbia, Ukraine

https://www.energy-community.org/portal/page/portal/ENC_HOME/AREAS_OF_WORK/Obligations/Renewable_Energy
Biomass data – reliability of energy statistics to be improved

IRENA-Energy Community Joint Renewable Energy Workshop

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RES-E deployment/planned

RES-E deployment vs. NREAP Trajectory in 2012 and 2013 [GWh]

Historical Data 2012
Progress Report 2013
NREAP Planned Trajectory 2012
NREAP Planned Trajectory 2013
NREAP Planned Trajectory 2020

Albania
Bosnia and Herzegovina
Kosovo*
Moldova
Montenegro
FYR of Macedonia
Serbia
Ukraine

IRENA-Energy Community Joint Renewable Energy Workshop
RES-H deployment/planned

- Historical Data 2012
- Progress Report 2013
- NREAP Planned Trajectory 2012
- NREAP Planned Trajectory 2020

Albania, Bosnia and Herzegovina, Kosovo*, Moldova, Montenegro, FYR of Macedonia, Serbia, Ukraine

IRENA-Energy Community Joint Renewable Energy Workshop
Biofuels deployment/planned

Biofuel deployment vs. NREAP Trajectory in 2012 and 2013 [ ktoe ]

- Historical Data 2012
- Historical Data 2013
- Progress Report 2012
- Progress Report 2013
- NREAP Planned Trajectory 2012
- NREAP Planned Trajectory 2013
- NREAP Planned Trajectory 2020

Albania  |  Bosnia and Herzegovina  |  Kosovo*  |  Moldova  |  Montenegro  |  FYR of Macedonia  |  Serbia  |  Ukraine
--- | --- | --- | --- | --- | --- | --- | ---
390  |  245  |  79  |  0  |  0  |  0  |  0  |  0
Reform of the renewable energy support schemes

- Integrate renewable energy into the market
- A market design fit for renewable energy
- State Aid Guidelines for energy and environmental protection 2014-2020
  - Aid to be granted based on competitive procedure
  - Feed-in premium in addition to market price (>500 kW, 3 MW wind) instead of feed-in tariffs
  - Standard balance responsibility
  - No support when negative prices
Next Steps

Renewable Energy Coordination Group established

• 1st meeting 2 March 2016
• Work on the reform of support schemes
• Monitor the progress in promotion of RES
  - second CPs progress report - end 2016
  - second Energy Community Progress Report to MC – 2017
• Renewable Energy framework post 2020
• ECS will assist Contracting Parties in the implementation with Donors‘ support
(Instead of ...) Conclusions

Renewable Energy is transforming the way we produce and consume energy

- Emergence of prosumers – access to energy
  - solar PV auction in Germany Dec 2015 - 8 ¢/€/kWh
  - almost zero marginal cost of energy even negative prices

- Utilities transformation >>> energy suppliers to energy service providers
  - digitalisation of energy, smart grids

- Citizens participation through energy cooperatives
Thank you for your attention!
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www.energy-community.org