



European  
Commission



ДРУШТВО ТЕРМИЧАРА СРБИЈЕ  
**ENERGOPROJEKT**

Energy





## Energy Community Legal Framework

### *Electricity*

- Directive 2009/72/EC (1 January 2015)
- Regulation 714/2009 (1 January 2015)
- Directive 2005/89/EC (31 December 2009)

### *Gas*

- Directive 2009/73/EC (1 January 2015)
- Regulation 715/2009 (1 January 2015)
- Directive 2004/67/EC (31 December 2009)

### *Implementation status (RoS)*

- unbundling, strengthened independence of IRB, consumer protection





## Energy Community Legal Framework

### *Oil*

- Directive 2009/109/EC (1 January 2023)

### *Implementation status (RoS)*

- organizational changes, legislative, institutional, regulatory improvements and important investments needed

### *Environment*

- Directive 85/337/EEC, as amended by Directive 97/11/EC and Directive 2003/35/EC (1 July 2006)

### *Implementation status (RoS)*

- transposed, implementation challenged with CS and LAs





## Energy Community Legal Framework

### *Environment*

- Directive 1999/32/EC and amending Directive 93/12/EEC (31 December 2011)

#### *Implementation status (RoS)*

- applicable Serbian legislation cannot be considered as correctly transposing the Directive (sulphur content, sampling, analysis, etc.)
- Directive 2001/80/EC (31 December 2017)

#### *Implementation status (RoS)*

- CPs did not implement, MC Decision adapting LCP and Decision implementing IED/Chapter III, Annex V and Art. 72(3)&(4) - 1.01.18 for new plants and 1.01.22 for the existing ones)





## Energy Community Legal Framework

### *Environment*

- Directive 79/409/EEC (1 July 2006)

#### *Implementation status (RoS)*

- transposition generally satisfactory, implementation particularly designation of SPAs for migrating birds should be achieved

### *Renewable Energy*

- Directive 2009/28/EC and repealing Directives 2001/77/EC and 2003/30/EC (1 January 2014)

#### *Implementation status (RoS)*

- need to improve legislative, regulatory frameworks, simplify and speed-up procedures, ensure financing, establish sustainability criteria and certification system for biofuels



## Energy Community Legal Framework

### *Energy Efficiency*

- Directive 2006/32/EC and repealing Directive 93/76/EEC (31 December 2011)

#### *Implementation status (RoS)*

- comprehensive package of secondary legislation needed, 2<sup>nd</sup> NEEAP to improve monitoring and verification of the savings achieved, describe EE improvement measures
- Directive 2010/30/EU (31 December 2011)

#### *Implementation status (RoS)*

- adoption of Decree on Labelling of Energy Related Products will enable compliance with this directive





## Energy Community Legal Framework

### *Energy Efficiency*

- Directive 2010/31/EU (mostly 30 September 2012)

#### *Implementation status (RoS)*

- By-laws on the basis of the Law on Efficient Use of Energy needed

### *Statistics*

- Directive 2008/92/EC (31 December 2013)

- Regulation 1099/2008 (31 December 2013)

#### *Implementation status (RoS)*

- finalization of current activities on data collections required for annual energy balances and for monthly collections in compliance with EUROSTAT needed, strengthened coordination and cooperation between institutions





# Energy Community Legal Framework

*Competition*

*Social dimension*

*Generally Applicable Standards*

*Procedural acts*

- No 2008/1/MC-EnC (27 June 2008)
- No 2008/2/MC-EnC (11 December 2008)







# Energy Strategy of the Energy Community

## *Objectives*

-Creating a Competitive Integrated Energy Market and ultimately, its integration with the single EU energy market;  
ECT implementation strategy; costs of change; economic context; social dimension; external support; realistic deadlines, corruption

Attracting investments in Energy Sector to meet increasing demand, environmental acquis, sustainability (EE, RES), SoS

Providing secure and sustainable energy supply to customers;  
but also affordable



## Energy Strategy of the Energy Community

### *Current situation and national trends*

- The economic and energy landscapes in the EnC are diverse, but also have many features in common (financial crisis, facilities and technology applied outdated, bad maintenance)
- The significant diversity among national strategies (date of establishment, timeframe, scenarios, methodology)
- *focus on 2020 and region without Ukraine (74% of TPES)*
- *WB and Moldova 20.5 GW and 104 TWh production (2009)*
- *WB and Moldova additional 13.23 GW by 2020 enabling total electricity production including net imports 136.5 TWh (28.8 b EUR)*
- *coal (45%), hydropower (39%), gas (9%), other RES (7%)*





# Energy Strategy of the Energy Community

## *Energy demand scenarios*

***Current trends scenario (CTS)*** - little new generation capacity built, environmental requirements not met, electricity shortage 10% in 2020 and 30% in 2030, high technical losses, substitution from electricity to other fuels

***Minimal investment cost (MIC)*** – partial compliance with EE and RE targets, electricity demand met

***Low emission/sustainable scenario (LES)*** – EE and RES targets met (NEEAPs and NREAPs), Dir LCP requirements met, `gas-ring` introduced, carbon emissions decreased 17% compared to MIC and 30% compared to CTS

**Carbon emissions are increasing for all scenarios (2020-2030)**





## Energy Strategy of the Energy Community

### *Projects of Energy Community Interest (PECI)*

- Due to scarce investment sources identification of priority projects, with the highest regional impact, needed (PECI)
- 100 projects submitted (85+15), 82 passed pre-assessment (eligibility-6, complementarity-1 and matching-11)

### *Selection criteria*

#### Change in socio-economic welfare

- Result of CBA including multi-criteria assessment (project costs, SoS, market integration/price convergence, CO2 emissions)



#### Additional criteria

- Enhancement of competition
- System adequacy
- Progress in implementation
- Facilitation of RES



# Energy Strategy of the Energy Community

## *Projects of Energy Community Interest (PECI)*

### *Electricity Generation*

CP	Project
AL	HPP Skavica
AL	Wind Park Dajc-Velipoje
B&H	CHP KTG Zenica
B&H	HPP Dabar
B&H+CR	HPP Dubrovnik (Phase II)
B&H+RS	HPPs Upper Drina (Buk Bijela, Foca, Paunci, Sutjeska) and Middle Drina (HPP Tegare, HPP Rogacica, Dubravica)
Kosovo*	Kosova e Re Power Plant (KRPP)





# Energy Strategy of the Energy Community

## *Projects of Energy Community Interest (PECI)*

### *Electricity Generation*

CP	Project
ME	HPP Lim River
RS	CHP CCGT Pancevo
RS	TPP Kolubara B
RS	TPP Nikola Tesla B3
RS	CHP Novi Sad
RS	HPP Ibarske (10 HPPs)
RS	HPPs Velika Morava (Ljubicevo, Trnovce, Svilajnac, Mijatovac, Varvarin)





# Energy Strategy of the Energy Community

## *Projects of Energy Community Interest (PECI)*

### *Electricity Infrastructure*

CP	Project
AL-FYRoM	400 kV OHL SS Elbasan-SS Bitola
CR – B&H CR internal line reinforcement	400 kV OHL Lika–Banja Luka 400 kV OHL Brinje-Lika-Velebit-Konjsko including 400 kV SS Brinje
IT-AL	400 kV HVDC Bari West-SS Vlora
Kosovo* -AL	400 kV OHL Pristina-Tirana
MD-RO	OHL Balti-Suceava





# Energy Strategy of the Energy Community

## *Projects of Energy Community Interest (PECI)*

### *Electricity Infrastructure*

CP	Project
RS-ME-B&H ME internal line reinforcement	400 kV OHL SS Bajina Basta-SS Pljevlja-SS Visegrad 400 kV OHL Pljevlja-Lastva
RS	400 kV OHL SS Kragujevac-SS Kraljevo
RS	400 kV OHL SS Bajina Basta-SS Kraljevo 400 kV OHL SS Obrenovac-SS Bajina Basta
RS-RO	400 kV OHL SS Pancevo-SS Resita







# Energy Strategy of the Energy Community

## *Projects of Energy Community Interest (PECI)*

### *Gas Infrastructure*

CP	Project
AL-ME-CR-B&H	IAP
GR-AL-IT	TAP
AL	EAGLE LNG Terminal
CR-B&H	Pipeline Slobodnica-Bosanski Brod-Zenica
B&H-CR	Pipeline Ploce-Mostar-Sarajevo/Zagvozd-Posusje/Travnik
CR-B&H	Pipeline Licka Jasenica-Trzac-Bosanska Krupa
CR	LNG Terminal and Pipeline Zlobin-Bosiljevo-Sisak-Kozarac-Slobodnica





# Energy Strategy of the Energy Community

## *Projects of Energy Community Interest (PECI)*

### *Gas Infrastructure*

CP	Project
CR-RS	Pipeline Slobodnica-Sotin-Backo Novo Selo
RS	Pipeline Nis-Dimitrovgrad
UA	Modernization of Urengoy-Pomary-Uzhgorod Pipeline

### *Oil Infrastructure*

CP	Project
CR	Inspection, Evaluation, Rehabilitation, Upgrading and Reconstruction of the existing JANAF Oil pipeline
UA	Construction of the Brody-Adamowo Oil Pipeline





## Energy Strategy of the Energy Community

### *Projects of Energy Community Interest (PECI)*

- Detailed FSs needed to assess projects appropriately
- Environmental consideration did not taken into account
- TPPs and HPPs dominant, level of energy demand
- Reaching EU 2030 policy goals and EU 2050 long term vision
- Hydropower considered as sustainable option
- CSOs and LAs involvement in the process and public consultations (increased transparency/decreased corruption)
- Integrated approach in planning development of different infrastructural sectors
- Water-Energy-Food-Ecosystem Services Nexus Approach



**PECI should be supported by WBIF**





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# EU SUSTAINABLE ENERGY WEEK 23-27 JUNE 2014

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Energy

