
SEERMAP

South-East Europe Electricity Roadmap

Montenegro

Podgorica 16.11.2016.

- The national target for use of energy from renewable sources, which represents the share of gross final consumption of energy from renewable sources in total gross final energy consumption, by 2020 is 33%.
- Present deployment level – 44,9% in 2014. (Eurostat)

- Is there any target beyond 2020 for RES electricity? (e.g. in national strategic documents)

Facility	Year of change /commissioning	Installed capacity and planned generation (MW / GWh)
TPP Pljevlja II	2020	225 MW / 1.360 GWh
HPP Moraca	2021	238,4 MW / 616 GWh
HPP komarnica	2022	172 MW / 227 GWh
small HPP	2015-2025	120,9 MW / 388,1 GWh
WPP Mozura	2017	46 MW / 105,8 GWh
WPP Krnovo	2017	72 MW / 165,6 GWh
WPP others	2018-2030	71,7 MW / 164,9 GWh
PV	2015-2030	2,5–52 GWh2
CHP on mixed solid municipal waste	2020	10 MW / 70 GWh
Biomass	2015-2030	0,4-39,0 MW / 1,1-118 GWh

Source: ENERGY DEVELOPMENT STRATEGY OF MONTENEGRO BY 2030

RES electricity support scheme: Feed in Tariff

RES support schemes

- 12 years period of status privileged producer,
- no balancing costs,
- guaranteed purchase of all production,
- priority in delivery of the produced electricity into the system.

- Level of support by technologies (PV, wind, biomass, hydro etc.)

Facility	Price (c€/kWh)
Wind power plant	9,60
Power plant using biomass	
From forestry and agriculture	13,71
From wood-processing industry	12,31
Solar power plant	12,00
Power plant using solid waste	9,00
Power plant using gas from waste	8,00
Power plant using biogas	15,00

SMALL HPP	Price (c€/kWh)
Power of plant	
$P_{pe} < 1\text{MW}$	10,44
$1 \leq P_{pe} < 3\text{ MW}$	$10.44 - 0.7 \cdot P_{pe}$
$3 \leq P_{pe} < 5\text{ MW}$	$8.87 - 0.24 \cdot P_{pe}$
$5 \leq P_{pe} < 8\text{ MW}$	$8.35 - 0.18 \cdot P_{pe}$
$8 \leq P_{pe} \leq 10\text{ MW}$	6,8

- Source: Decree on incentive fees to encourage production of electricity from renewable energy sources and cogeneration

RES integration issues

- TSO/DSO shall give priority to connection of energy facilities generating energy from renewable energy sources, if there are no technical constraints in the transmission or distribution system (Transmission Grid Code, Distribution Grid Code)

Balancing requirements:

- exemption from payment of balancing services system according to Energy Law

Who is paying for the RES support?

- Final customers of electricity

Is there any support budget exist? Is it capped?

- No support budget

Any cap exists for any RES technology?

- For PV – status of privileged producer just for PV on rooftops
- For small HPP – status of privileged producer for plant below 10 MW

Key barriers

- The Government shall cease to provide support schemes for construction of new capacities for generation of electricity from renewable sources and, in case the national objective has been accomplished, the Agency shall cease granting the status of a privileged generator. (Article 98 of Energy Law)

Did any significant change occur in the RES regulation in the last years?

- New Energy Law and bylaws legislation

Thank you on attention!