

Energy Communities in Bosnia and Herzegovina (BiH), giz/ Municipality Sokolac/Town Mostar

Energy Communities (ECs) – Clean Energy Package:

Renewable energy communities (RECs)

Citizen energy communities (CECs)

Prosumers

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1. Starting point:

- Challenges: High energy costs (electricity) covered by the municipality/Town, SECAPs in preparation
- Impact on: citizens (less budget available in the municipality/town for implementation of projects needed in the local community)
- Renewable energy communities (RECs)



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2. Institutional Setting:

- FBiH (Town Mostar): Law on RES (adopted in September 2023), Rulebook on renewable energy communities (in finalization/needed adoption), Decree on quotas (in preparation)
 - Stakeholders for the frame conditions: FBiH Government, Federal ministry of energy, mining and industry
- RS (Municipality Sokolac): Law on RES (adopted in February 2022), Rulebook on renewable energy communities (in finalization/needed adoption), no Program on RES (in finalization/needed adoption)
 - Stakeholders: RS Government, Ministry and energy and mining of RS, Regulatory Commission for Electricity of RS

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3. Approach:

- Town Mostar: Elementary school – Town, LLC under Town management (electricity production, selling GPP), 71,01 Mwe
- Municipality Sokolac: Sport hall – elementary school – high school - Municipality, LLC via PPP (electricity production, selling referent market price), 49,2 Mwe
- Participation right: Establishment document (osnivački akt)

- Social, environmental, economic impact of projects
 - Crowdfunding: participation of citizens, employees, parents, users of sport center
 - Clean energy production
 - Money surplus: use for implementation of new projects which are needed for children in the municipality/town

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4. Outputs:

- Town Mostar: Prepared business plan
 - 71,01 Mw_{el}, 87584 kWh/a, 82.719 EUR (investment), 9.649 EUR/a (income),
after 8th year: money to the Budget

- Municipality Sokolac: Prepared business plan
 - 49,2 Mw_{el}, 54.452 kWh/a, 45.630 EUR (investment), 7.289 EUR/a (income),
after 15 years: PPP contract will end and money to the Budget

- Following steps: review of business plans, preparation of the feasibility study, checking ODS requirements at the location

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5. Lessons:

- Benefits from RECs implementation: existing (cost reduction in budget)
- Financial models should be investigated in details
- Legal and strategic preconditions should be established
- Need for SECAPs finalization and adoption

6. Transfer:

- Preconditions to transfer this practice to another place:

Preparation and adoption of the primary and secondary legal framework on the ECs in the country

ECs as the „Policy and measure“ in the strategy and planning documents (state and local level)

Integration of efficient financing models at the state and local level