North Macedonia NECP PaM (policies and measures) on suitable zoning

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Short history

• Strategy for energy development up to 2040
• National Energy and Climate Plan
• National determine contribution
• Program for the realization of the strategy up to 2025
• National energy efficiency action plan
Targets and objectives

Difference between WEM and WAM in indicative projections of RES share in gross final energy consumption and in different sectors (heating and cooling, electricity and transport) as well as per technology in each of these sectors.

• Electrification of the heating and cooling sector

• Electrification of the transport sector

Difference between WEM and WAM in indicative projections of RES share in gross final energy consumption and in different sectors (heating and cooling, electricity and transport) as well as per technology in each of these sectors.
Problems

• Deeply immersed in investment and documentation

• Potential resistance from civil society organizations if the development goes forward with no embedded environmental and social constraints. The case of Boskov Most and Lukovo Pole.

• Solution?

• Project, Exploring Pathways for Low-Impact Energy Solutions in North Macedonia (The Natural Conservancy, MANU and Eco Svest)

• Main objectives of the project

  1. To identify the environmental and social values that will serve as a basis of establishing areas for building renewable energy sources

  2. To establish a baseline of available data for conducting energy siting of renewables

  3. To identify legal and technical barriers and opportunities to using brownfields for siting renewable energy projects.
### PM_D17: Identification of the proper location for solar and wind power plants

**Main objective:** Development of methodology for selection of the most appropriate location for solar and wind power plants

**Description:** Avoid excessive damage to nature, Government, energy companies and NGOs can prioritize land areas that have already been disturbed by industrial activity such as mines or quarries. In territories that have been historically dependent on coal production, depleted coal and other mines can be used for this purpose. In addition, for the wind warms it is important to find appropriate locations, not environmentally sensitive (e.g. habitats of birds and bats).

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<th>Timeframe</th>
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| Relevant planning documents, legal and regulatory acts | • Strategy for Energy Development of the Republic of Macedonia up to 2040  
• Law on Energy  
• Law on environmental protection  
• Documents from project which are working in this area |
| Assumptions     | Oslomej is decommissioned in 2021  
Bitola is decommissioned in the period 2025-2027 |
| Status of implementation | • 100 MW PV power plant in Oslomej  
• 20 MW PV power plant in Oslomej  
• 20 MW PV power plant in Bitola |
| Finance         | Budget: n/a  
Source of finance: n/a |
| Implementing entity | • Government of the Republic of North Macedonia  
• Ministry of Economy  
• JSC Macedonian Power Plants (ESM AD)  
• Ministry of labor and social policy  
• Donors |
| Monitoring entity | • Ministry of Economy |
| Progress indicators | Methodology developed |
| Relation with other dimensions | Research, innovation and competitiveness (research) |
Government perspective
North Macedonia feed-in premiums (state land)
North Macedonia feed-in premiums (private land)
North Macedonia feed-in premiums (Oslomej PPP)
On going

- Premiums on private and state land
- PV with PPP or private (260 MW)
- 350 MW PV
THANK YOU FOR YOUR ATTENTION