



Government of the Republic of North Macedonia

REPUBLIC OF NORTH MACEDONIA

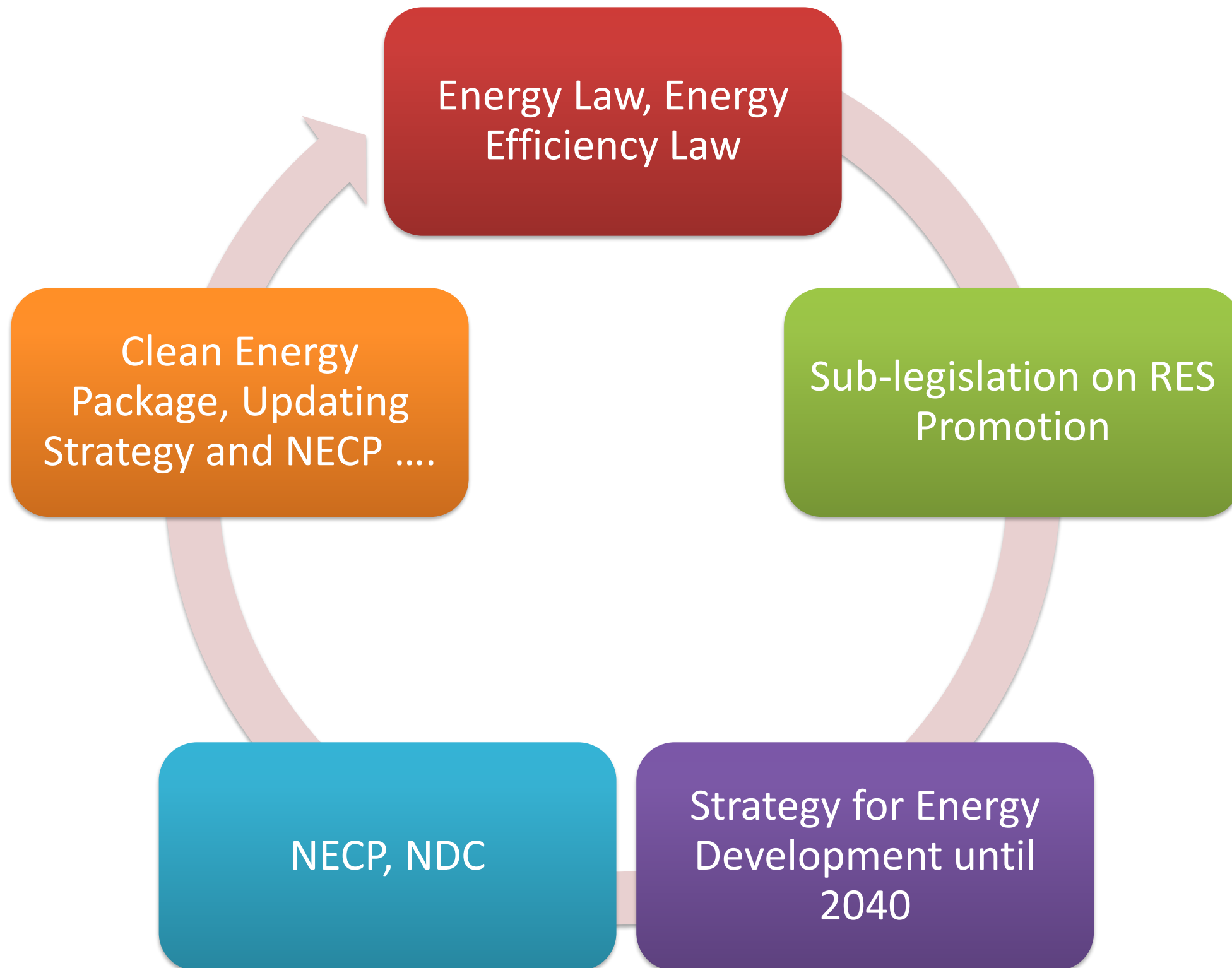
ENERGY SECTOR DEVELOPMENT, RES INVESTMENTS

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Energy Reforms, Strategies, Legislation



- North Macedonia is Energy Community Contracting Party and EU Candidate Country
- Energy Law, adopted in May 2018, Implementing Third Energy Package
- Energy Efficiency Law, adopted 2020
- Strategy for Energy Development until 2040, adopted in December 2019
- Sub-legislation on promotion of RES projects, adopted February 2019
- National Energy and Climate Plan, adopted July 2022

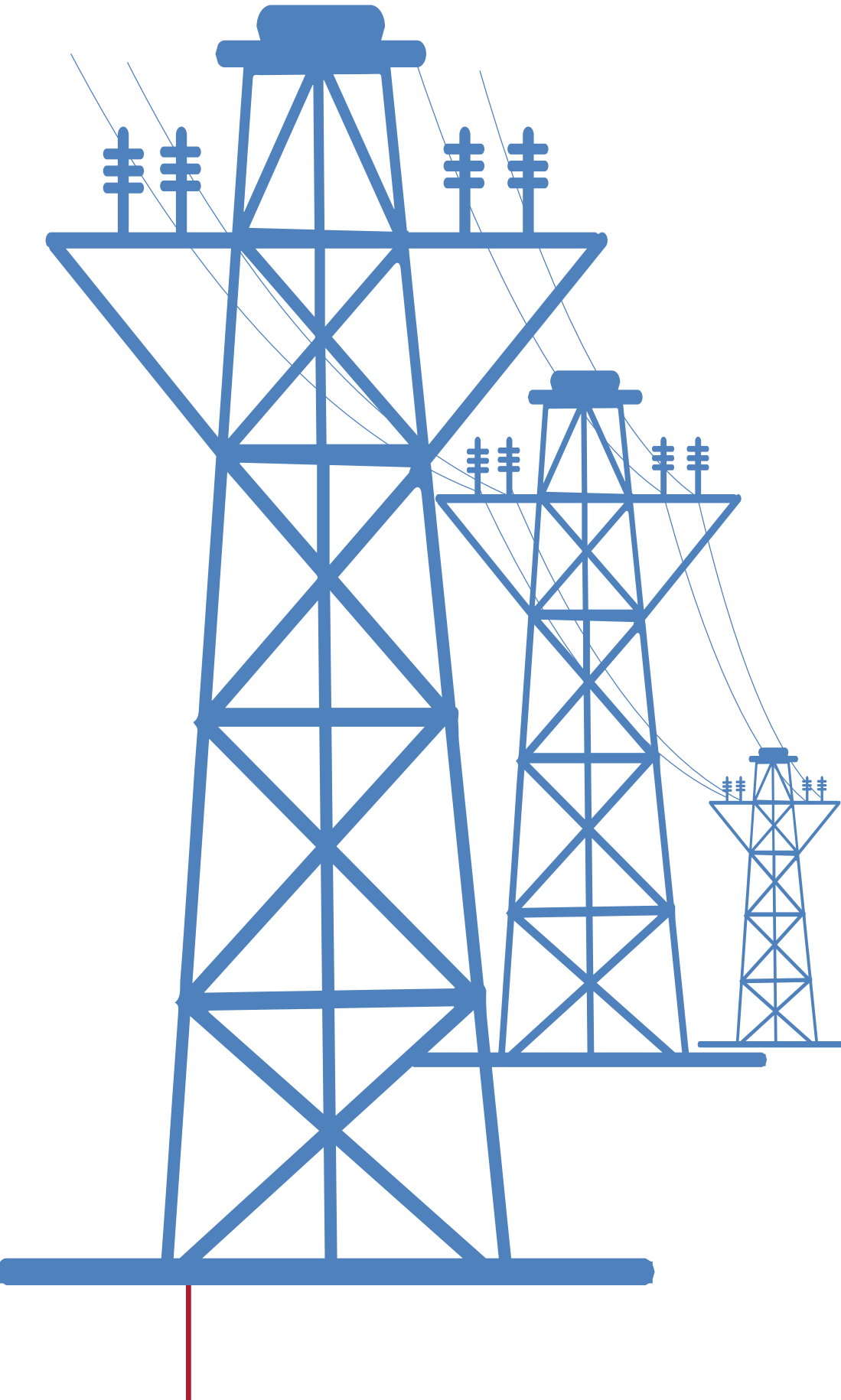


Strategy for Energy Development until 2040

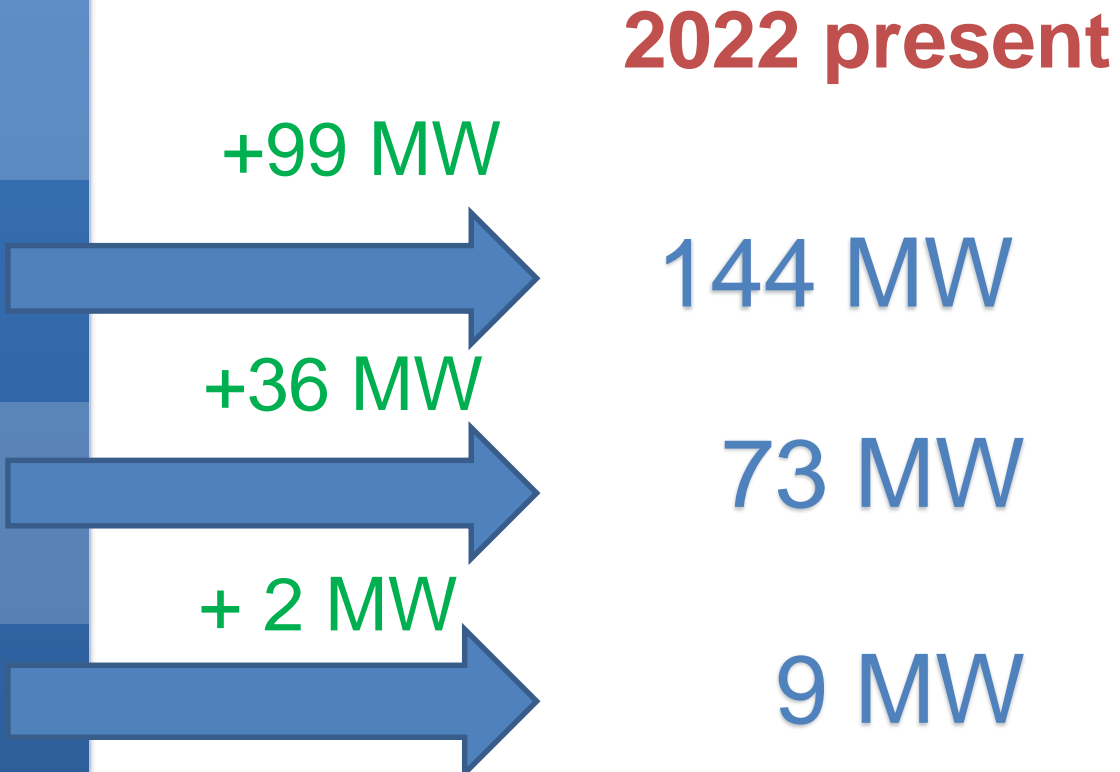
- The Strategy provides a platform for the overall energy sector modernization and transformation in line with EU energy trends, contributing to increased access, integration and affordability of energy services, reduction in local and global pollution, and increased private sector participation, while considering North Macedonia's development potential and domestic specifics.
- The Strategy integrates climate and environmental aspects of the energy sector, while proposing an affordable, reliable and sustainable energy for the future.
- First Strategy in Energy Community Contracting Parties based on EU Green Deal
- VISION: Secure, efficient environmentally friendly and competitive energy system that is capable to support the sustainable economic growth of the country



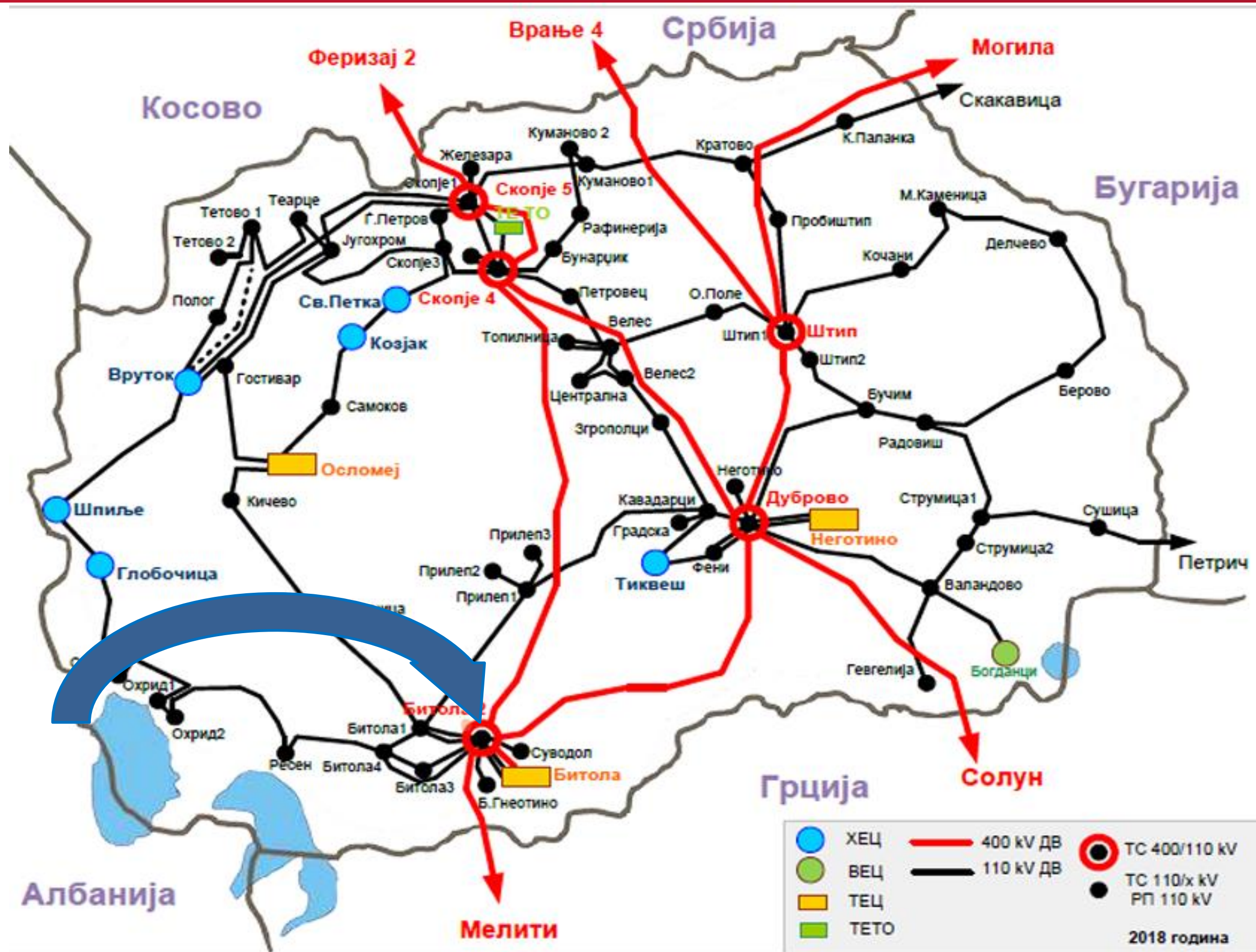
SITUATION - 2021



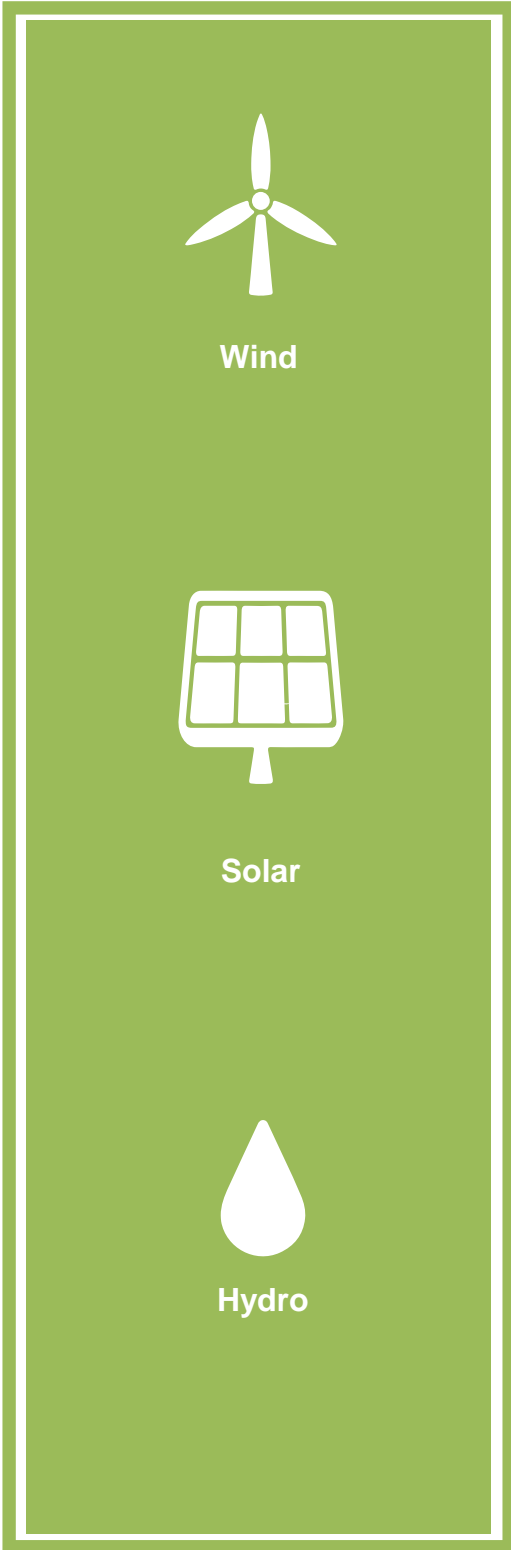
Type	MW
TPP (coal + hfo)	1034
HPP SHPP	558 188
CHP	287
PV	45
WIND	37
TPP BIOGAS	7



Interconnection



GREEN SCENARIO – NEW PLANNED CAPACITIES



Wind

Solar

Hydro

750 MW

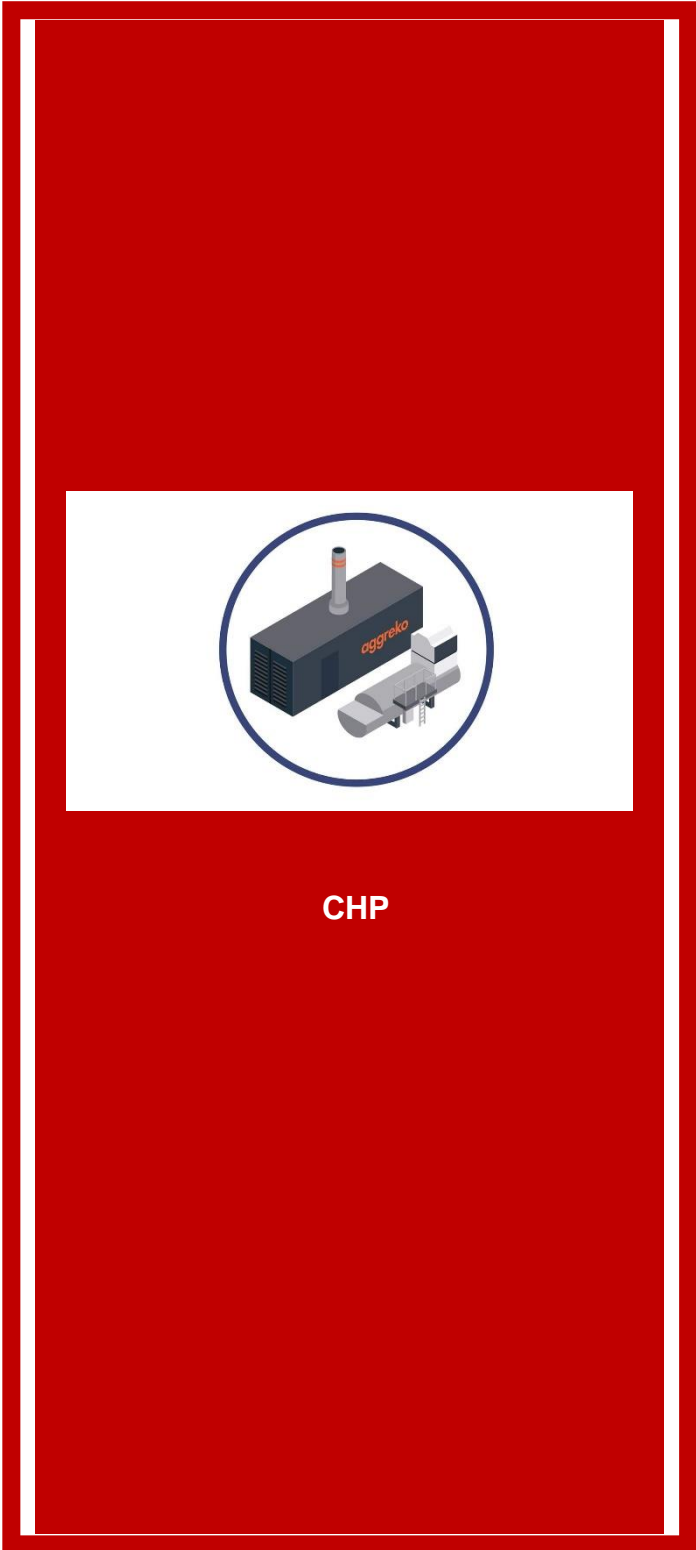
1400 MW

350 MW PHSP
100 MW HPP

2022 applications/ interest

>2000 MW

DSO >6000 MW,
TSO >6000 MW



CHP

450 MW

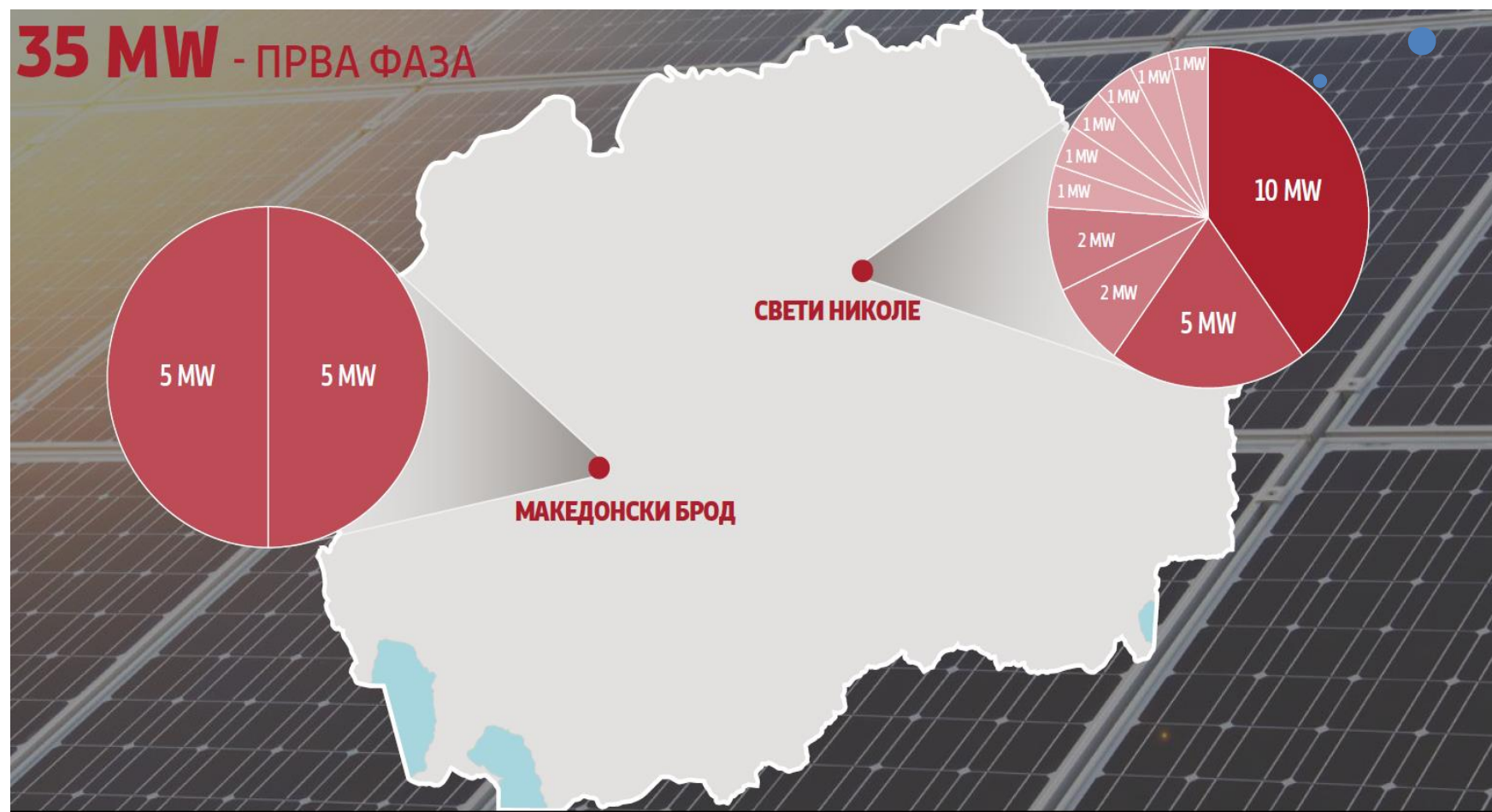
2022 applications/
interest
>1200 MW



ONGOING RES PROJECTS

- First transparent procedures for awarding premium tariffs on state owned land (cap 15 EUR/MWh) - negative auction

0.34EUR/MWh
+ 2.7 mill EUR in the state budget



- Two another procedures completed for private land
- Total installed capacity from the three procedures is 130 MW



Constructed PV with premium tariffs



Energy Transition of TPP Oslomej – first in SEE

- One operational PV plant 10 MW - state owned ESM, financed by EBRD
- Another 10 MW state owned ESM approved for financing by EBRD, call for EPC
- Two PPP agreements signed with private companies FORTIS Enerji – Turkiye and Solarpro – Bulgaria for construction of two 50 MW on the place of old coal mine in Oslomej
- Total installed capacity of the PV plants will be 120 MW, same as the old TPP Oslomej which is 120 MW



First Private Wind Park – Bogoslovec – 36 MW



Strategic Projects

- Law on strategic investments – investments above 50 MEuro
- More than 10 projects for PV plants, Wind plants, CHP plants and Technological Park and Ski Centre proclaimed as strategic investment projects
- WPD – Germany – 414 MW Wind Park Virovi, Rankovce, Staro Nagoricane, Kriva Palanka
- AKUO Energy – France, 400 MW PV Park Stipion, Shtip
- Mytilineos – Greece, 150 MW CHP Plant, Skopje
- Tehno Alpine, Ski Centre, Popova Shapka, Tetovo

- Separate Law for each investment is preparing and it will be adopted in the Parliament, Strategic Agreement will be signed with each strategic investor
- Additional legal support and fast track for the investments



NEW PLANNED PROJECTS, ACTIVITIES

- More than 250 MW PV plants in TPP Bitola (transition of TPP Bitola), with support from EBRD, KfW, possibilities for PPP – responsible institution - ESM
- Public call for construction of natural gas interconnector with Greece, around 70 km, financed by EIB, EBRD – Responsible institution NOMA Gas
- Introducing storage possibilities in the grid (batteries)
- Construction of gas interconnector with Serbia, financing to be approved



GREEN ENERGY PROJECTS IN TID ZONES

Location: various TID-Zones (15 currently)

Responsible Institution: TDIZ

Plot: 75 ha

Info:

In accordance with its concept and mission the Directorate for technological-industrial zones aims to reallocate plots of certain zones and certain zones as a whole, in plots and zones for electricity production from renewable energy sources. The land will be used for projecting, installation, financing, management and transfer of solar power plants in TID-zones.

Eligible Activities:

- upgrade and increase of the electric power capacities in TID-zones using cost-effective and non-pollutive sources of energy;
- utilization of (less usable) parts of building plots in TID-zones for production of electric power from renewable energy sources;
- creation of new green jobs

Estimated value of the investment – EUR 50 mil. +

Potential annual revenue of EUR 4.275 mil.



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REPUBLIC OF NORTH MACEDONIA
THANK YOU FOR THE ATTENTION

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