



# Clean Energy



Through the Economic and Investment Plan, the support in the field of energy will be reinforced. Strong emphasis will be put on energy market integration, decarbonisation and clean energy, just transition, increased digitalisation of the system and smart grids, energy efficiency, including modernisation of district heating, and energy security. Decarbonisation is a key pillar of the Plan in line with the aims of the Green Agenda. Participation in the Energy Community Treaty provides a clear policy framework, bearing the potential for regional growth through multi-country projects and tapping into the region's potential for renewable energy and energy efficiency.

Six flagship investments for 2020-2022 are for clean energy. The EU and bilateral donors contribute to these projects with €35.2 million in grants under the EIP, which is expected to leverage €138 million in loans from WBIF partner financial organisations for €176 million in investments.

## Priorities

Flagship 4

**Renewable energy**

Flagship 5

**Transition from coal**

Flagship 6

**Renovation wave**





Flagship 4 · Renewable energy

Albania

## Vau i Dejës Floating Solar Photovoltaic Power Plant

<b>WBIF bilateral donor grant<sup>2</sup></b>	<b>€2.7m</b>
Lead IFI	EBRD
Estimated investment	€12m
Expected completion	2024

This investment project will install a 12.9 MW floating solar photovoltaic power plant at Vau i Dejës, a reservoir that hosts one of the largest hydropower plants in Albania. This will be the first medium-size hybrid floating solar and hydropower plant and the first application of pure-floats technology in the Western Balkans. The investments are expected to have a significant demonstration effect and be easily replicated on other hydro reservoirs in Albania and the region. The plant is expected to produce over 18 GWh of electricity and displace 8,700 tonnes of CO<sub>2</sub> annually.



Flagship 4 · Renewable energy

North Macedonia

## Oslomej 1 Solar Photovoltaic Power Plant

<b>WBIF bilateral donor grant<sup>2</sup></b>	<b>€1.6m</b>
Lead IFI	EBRD
Estimated investment	€8.8m
Completion	2022

The energy sector of North Macedonia relies predominantly on fossil fuels and hydropower and is dependent on electricity imports. This investment project has installed a 10 MW solar power plant on the site of the exhausted coal mine in Oslomej. The plant is expected to produce nearly 15 GWh of electricity and displace 12,177 tonnes of CO<sub>2</sub> annually. The Oslomej 1 photovoltaic power plant is part of the country's effort to clean up the site, diversify energy sources and support decarbonisation.



Flagship 4 · Renewable energy

North Macedonia

## Oslomej 2 and Bitola Photovoltaic Power Plants

<b>WBIF EU grant<sup>2</sup></b>	<b>€5.2m</b>
Lead IFI	EBRD
Estimated investment	€25.5m
Expected completion	2024

This investment project will install two solar power plants with a combined capacity of 30 MW on the site of the exhausted coal mine in Oslomej and adjacent to the coal-fired thermal power plant in Bitola. The plants are expected to produce 50 GWh of electricity and displace 34,000 tonnes of CO<sub>2</sub> annually. The project will directly address the inequality implications of the green energy transition and define reemployment and reskilling opportunities in the wider regional labour market to retrain the local workforce.



Flagship 4 · Renewable energy

Albania

## Rehabilitation of Fierza Hydropower Plant

<b>WBIF EU grant<sup>2</sup></b>	<b>€8.7m</b>
Lead IFI	KfW
Estimated investment	€48.4m
Expected completion	2027

Albania is a net importer of electricity, and domestic generation is almost entirely dependent on hydropower. This project will rehabilitate the electro-mechanical components and supporting network of the Fierza hydropower plant, the country's second largest facility, to extend its operation lifespan by at least 30 years and increase output by 10%. The plant has an installed capacity of 500 MW and an average annual electricity production of 1,328 GWh.



Flagship 5 · Transition from coal

Serbia

## Trans-Balkan Electricity Corridor: Serbia – Montenegro – Bosnia and Herzegovina 400 kV Interconnection

<b>WBIF EU grant<sup>2</sup></b>	<b>€8.9m</b>
Previous EU grant	€2.1m
Lead IFI	KfW
Estimated investment	€40.8m
Expected completion	2026

This investment project will construct 84 km of double-circuit 400 kV overhead transmission line from Bajina Bašta to Bosnia and Herzegovina and Montenegro borders. It contributes to the development of a functional regional market and to the establishment of a Trans-Balkan Power Corridor that will connect the electricity transmission systems of Serbia, Montenegro and Bosnia and Herzegovina to those of Croatia, Hungary, Romania and Italy.



Flagship 5 · Transition from coal

Serbia

## Advanced System for Remote Meter Reading

<b>WBIF EU grant<sup>2</sup></b>	<b>€8.1m</b>
Lead IFI	EBRD
Estimated investment	€40.1m
Expected completion	2025

This investment project supports the introduction of smart meters in the electricity distribution system in Serbia. It covers the first phase of smart meters deployment in Kraljevo, Čačak and Niš. The roll-out of smart metering will significantly contribute to the ongoing grid modernisation programme, which aims to develop smart grids, reduce technical and commercial losses, and integrate renewable generation sources into the system.