PROPOSAL

Based on Article 5, Paragraph 2 of the Energy Law ("Official Gazette of RS" No. 145/14, 95/18 – other law, 40/21, 35/23 – other law, 62/23, 94/24 and 109/25 – other law)

The Government has adopted

THE PROGRAM FOR THE IMPLEMENTATION OF THE ENERGY DEVELOPMENT STRATEGY OF THE REPUBLIC OF SERBIA FOR THE PERIOD UNTIL 2040 WITH PROJECTIONS UNTIL 2050, FOR THE PERIOD FROM 2026 UNTIL 2028

1. INTRODUCTION

Article 3 of the Energy Law ("Official Gazette of RS", No. 145/14, 95/18 – other law, 40/21, 35/23 – other law, 62/23, and 94/2024, hereinafter: the Law) defines that the energy policy of the Republic of Serbia is further elaborated and implemented in more detail through the Energy Development Strategy of the Republic of Serbia, the Program for the Implementation of the Strategy (hereinafter: the Program), and the Energy Balance of the Republic of Serbia.

1.1. Reasons for adopting the Program and responsible institutions

The Energy Development Strategy of the Republic of Serbia for the period until 2040, with projections until 2050, has been adopted by the National Assembly of the Republic of Serbia in November 2024 ("Official Gazette of RS", No. 94/2024, hereinafter: the Strategy). In accordance with Articles 3 and 5 of the Law on Energy and bearing in mind that the adoption of the new Strategy has amended the basic act establishing energy policy and planning development in the energy sector of the Republic of Serbia, it is necessary to adopt an appropriate Program for the implementation of the Strategy.

The development of this program was initiated and is led by the Ministry of Mining and Energy (hereinafter, the MoME), the competent institution. In accordance with Article 5, Paragraph 2 of the Law, the Program, which defines the manner, timeline, and measures for implementing the Strategy, is adopted by the Government of the Republic of Serbia for a period of three years.

The Program for the Implementation of the Energy Development Strategy of the Republic of Serbia for the Period until 2040 with Projections until 2050, for the Period from 2026 until 2028 (hereinafter: the Program) is the result of close cooperation with relevant stakeholders (state administration bodies, public and private sectors and civil society organizations) who, through participation in the Working Group, monitor and actively participate in the process of developing the Program. The Working Group[1], in addition to representatives of the Ministry of Mining and Energy, also includes representatives of the following institutions, organizations and associations:

- Ministry of Environmental Protection
- Ministry of Agriculture, Forestry and Water Management
- Chamber of Commerce and Industry of Serbia
- Energy Agency of the Republic of Serbia
- Elektromreža Srbije JSC (Transmission System Operator)
- Elektroprivreda Srbije JSC (Electric Power Industry of Serbia)
- Elektrodistibucija Srbije LLC (Electricity Distribution of Serbia)
- NIS JSC (Petroleum Industry of Serbia)
- Public Enterprise Srbijagas
- Distribucijagas Srbija LLC
- Transportgas Srbija LLC
- Transnafta JSC

[1] The competent Working Group for monitoring and participation in the process of Strategy and Program preparation was established in June 2021.

- SEEPEX JSC (South East European Power Exchange)
- RES Foundation
- Association “Belgrade Open School”
- Association “Center for Ecology and Sustainable Development”
- European Bank for Reconstruction and Development (EBRD)

2. LEGAL FRAMEWORK

In accordance with the Law, the Program establishes the conditions, method, dynamics and measures for the implementation of the Strategy for the three-year period, from 2026 to 2028.

In addition to the Law and the Strategy, the legal framework for the development of the Program also included the Law on the Use of Renewable Energy Sources (“Official Gazette of RS”, No. 40/21, 35/23 and 94/24 – other law), the Law on Energy Efficiency and Rational Use of Energy (“Official Gazette of RS”, No. 40/21) and Law on the Ratification of the Treaty Establishing the Energy Community between the European Community and the Republic of Albania, the Republic of Bulgaria, Bosnia and Herzegovina, the Republic of Croatia, the Former Yugoslav Republic of Macedonia, the Republic of Montenegro, Romania, the Republic of Serbia, and the United Nations Interim Administration Mission in Kosovo in accordance with United Nations Security Council Resolution 1244. (“Official Gazette of RS”, No. 62/06). The legal framework also includes the Law on Mining and Geological Exploration (“Official Gazette of RS”, No. 101/15, 95/18 - other law, 40/21) and the Law on Climate Change (“Official Gazette of RS”, No. 26/21), in the part relating to the issues of the Program.

The Program is aligned with the measures and activities defined in the Integrated National Energy and Climate Plan of the Republic of Serbia for the period up to 2030 with a vision to 2050 ("Official Gazette of the Republic of Serbia", No. 70/2024-59, hereinafter: INECP), as well as the document Amendments and Supplements to the Baselines of the Energy Infrastructure Development Plan and Energy Efficiency Measures for the Period up to 2028 with Projections up to 2030.

All environmental protection measures prescribed by the Strategic Environmental Assessment of the Integrated National Energy and Climate Plan of the Republic of Serbia (INECP) for the period until 2030, with a vision to 2050, as well as by the Strategic Environmental Assessment of the Energy Development Strategy of the Republic of Serbia up to 2040, with projections to 2050, must be strictly observed and implemented during the execution of the Program.

In addition, considering that both the INECP and the Strategy define goals in the field of energy and climate in accordance with the Sofia Declaration on the Green Agenda for the Western Balkans, the Law on the Ratification of the Paris Agreement (“Official Gazette of the Republic of Serbia – International Treaties,” No. 4/17), and the Decision of the Ministerial Council of the Energy Community D/2021/14/MC-EnC, and that these goals align with the Sustainable Development Goals, the Program is also a document that determines measures and policies consistent with the Green Agenda and the Sustainable Development Goals.

3. DESCRIPTION OF THE CURRENT SITUATION

A detailed description and analysis of the current situation, as well as an analysis of the effects of the implementation of measures and activities in the energy sector, were carried out in detail in the process of drafting the INECP and the Strategy, and an ex-ante analysis of the effects was carried out for these documents. These documents also set out the goals of the energy policy and the vision for the development of the energy sector of the Republic of Serbia. Both strategic documents were the subject of the work of the Working Groups, and a full public consultation process was carried out. From the point of view of the current situation and ex-ante analysis of the effects, it is important to notice that the analysis of the Scenario S and new energy policy goals, as well as macroeconomic and financial

analysis conducted in the process og INECP development and that the results of these analysis are measures and policies defined in the INECP and Strategy.

This program has been prepared based on the measures and policies defined by the Strategy and the INEKP and represents already adopted measures and policies that need to be implemented in the next three years, i.e. in the period 2026-2028.

4. PROGRAM CONTENT

In line with the general principles of energy development (energy security, decarbonization, and economic competitiveness of the energy sector), the general and sectoral objectives, the adopted priorities, as well as the measures set out in the Strategy, the Program defines the activities necessary for the achievement of objectives and the implementation of measures. The Program elaborates measures and activities aimed at achieving both the general and specific goals of energy development.

The Program does not require additional elaboration of activities implemented within the framework of the prescribed measures; therefore, no separate Action Plan is adopted alongside it.

The Program contains all elements envisaged under Article 6 of the Energy Law, presented by energy subsectors. It outlines the energy facilities that need to be constructed or reconstructed to ensure security of supply, improve energy efficiency (hereinafter: EE), and reduce environmental impacts, with an emphasis on the use of modern technologies for energy and energy carrier production. In the section on the electricity sector, special attention is given to the application of advanced technologies for system management and control. The scope of renewable energy sources (hereinafter: RES) use, as a result of the foreseen measures and activities, is presented in Chapters 5.1–5.4. For each measure, an estimate of financial resources is provided, along with the identified sources of financing. The structure of the Program is such that, for each sectoral measure, activity, or project, the following elements are presented:

- Title
- Type (regulatory, incentive, informative, institutional/governance, financial, investment, etc.)
- Brief description
- Institution(s) responsible for the implementation of measures and activities
- The institution responsible for monitoring implementation and reporting on the realization
- Deadline for implementation
- Required funds and source of financing
- Implementation indicator (used to monitor the realization of the measure, activity, or project)
- Impact of the measure/activity/project on the achievement of objectives (linked to the relevant strategic objective indicator[2])
- Impact on energy efficiency, climate, and environmental protection.

5. OVERVIEW OF OBJECTIVES, MEASURES, ACTIVITIES, AND PROJECTS BY ENERGY SECTORS

5.1. Electricity Sector

The strategic objectives within the electricity sector include:

- Ensuring a stable electricity supply for the domestic market;
- Continuous reduction of greenhouse gas emissions;
- Enhancing the utilization of renewable energy sources;
- Maintaining EE;

[2] The reference year for all indicators in the Program is 2023. This year was selected as it is the most recent year with fully processed statistical data on the state of the energy sector of the Republic of Serbia, and it also represents the last year covered by the previous Program.

- Increasing energy efficiency in electricity production, transmission, and distribution.

In terms of overall energy objectives, energy security is attained by ensuring a reliable electricity supply, enhancing the utilization of renewable energy sources, and aiming for energy independence. A beneficial effect on decarbonization results from the ongoing decrease in greenhouse gas emissions and improvements in energy efficiency throughout the production, transmission, and distribution of electricity.

In order to meet the strategic objectives, the Strategy defines seven sectoral measures:

- EL1 Preventive maintenance, revitalization (reconstruction), and modernization of power plants, transmission and distribution networks;
- EL2 Use of high-quality coal in accordance with the designed parameters of boilers;
- EL3 Reduction of electricity production in coal-fired thermal power plants;
- EL4 Change of production portfolio;
- EL5 Development of transmission and distribution networks to enable the greatest possible integration of RES;
- EL6 Increase in electricity production from domestic power plants;
- EL7 Reconstruction, construction, and modernization of electricity production, transmission, and distribution.

The objective of the **EL1 measure** is to ensure and enhance the security of the electricity supply. Numerous projects for the reconstruction and construction of new transmission lines and substations in the transmission and distribution network should contribute to this objective, along with the revitalization and construction of new production capacities. Given the extensive number of separate investments, they have been categorized into several activities:

EL1.1 Investment projects of revitalization (reconstruction) and modernization of power plants

Revitalization of existing hydro and thermal power plants is the main focus of this activity. The total value of the revitalization of hydropower plants, along with the construction of one new unit at HPP Potpeć, is approximately 57.5 billion RSD. In the thermal sector, capital repairs of individual units and further construction of desulfurization plants are planned. The value of these investments is 126.2 billion RSD. The holder of this activity is EPS JSC Belgrade.

EL1.2 Investment projects focused on the reconstruction and construction of the transmission network

In this activity, old transformers and other equipment in transmission substations are being replaced, new interconnecting transmission lines are being built, and existing internal network transmission lines with voltage levels ranging from 110 kV to 400 kV are being reconstructed. The holder of this activity is EMS JSC Belgrade, and the total value of all investments is 94 billion RSD.

EL1.3 Investment projects focused on the reconstruction and construction of the distribution network

Among the projects covered by this activity are the automation of the medium-voltage network, the installation of optical infrastructure, and the replacement of electromechanical meters with smart meters. In addition, new distribution lines and substations are being built, existing distribution network components are being rebuilt, and outdated equipment is being replaced.

The carrier of this activity is Elektrodistribucija Srbije Ltd. Belgrade, and the total value of all investments is approximately 93 billion RSD.

The objective of the **EL4 measure** is to change the production portfolio in the electricity sector. This requires the construction of new production capacities, mainly from renewable energy sources, to increase their share in the production and consumption of electricity. As part of this measure, the construction of new gas-fired power plants is also planned. These power plants are intended to enhance domestic production capabilities and could also play a significant role in balancing the electricity system. The EL4 measure consists of the following activities:

EJI4.1 Construction of RES within EPS JSC Belgrade

In the coming period, EPS JSC Belgrade plans to build more hydropower plants, as well as wind and solar power plants. Several of these projects are expected to be finalized in the upcoming years, specifically by 2028, thereby aiding in the transformation of the electricity production portfolio and enhancing the supply security for all electricity consumers. The total value of these investments is around 210 billion RSD.

EL4.2 Construction of RES held by individual investors

By the year 2028, the Republic of Serbia's electricity network will feature an increased number of wind farms and solar power plants. The capacities that the country can almost definitively rely on come from the projects that won the public auctions in 2023 and 2025. The aggregate worth of projects exceeding 10 MW is around 180.43 billion RSD.

EL4.3 Construction of pumped storage hydropower plants

The construction of the PSHPP Bistrica is planned for the coming period. The implementation of this project will increase the available capacities for ensuring reserves and balancing production capacities in the electricity sector. The value of this project is approximately 112.85 billion RSD. For the PSHPP Đerdap 3 project, which involves the construction of a reversible hydroelectric power plant with an installed capacity of 1,800 MW and the Pesača reservoir, analyses are underway to prepare the project.

EL4.4 Construction of gas-fired power plants

The construction of two gas-fired power plants is planned, as combined heat and power plants, which means that in addition to electricity, they will also produce thermal energy. Both projects are in preparation.

The change in the production portfolio should be enabled by **measure EL5**. This measure contains two activities for the further development of the transmission and distribution system, intending to create favorable conditions for the fastest and easiest integration of RES:

EL5.1 Investment projects focused on the integration of renewable energy sources into the transmission system

The change in the production portfolio, i.e., the construction of more and more RES capacities, leads to major changes in the power flows in the power system. As a result, there is a need for both new interconnections with neighboring systems and for strengthening the internal network, especially in those parts where previous network development plans did not expect significant changes. Given that investments in new interconnecting transmission lines are already classified as measure EL1, as are most of the reconstructions and construction of new transmission lines of the internal network, which, in addition to the security of consumer supply, certainly contribute to easier integration of RES, there are not many investments in this activity that could be individually highlighted. There are only three of them, with a total value of 5.7 billion RSD. The holder of the activity is EMS JSC Belgrade.

EL5.2 Investment projects focused on the integration of renewable energy sources into the distribution system

The integration of renewable energy sources also has a significant impact on the distribution network, where there is potential for the connection of a large number of small power plants, especially solar power plants, as well as the increasing expansion of prosumers. In addition to investments in the reconstruction and construction of distribution capacities, which are described in measure EL1 and the development of software tools for planning, analysis, and advanced management of the distribution network from measure EL7, a project that is particularly recognized in this activity is the digitalization of the process of obtaining a connection approval solution. The lead company for this activity is Elektrodistribucija Srbije Ltd. Belgrade, and the value of this investment is 1.17 billion RSD.

Measure EL6 refers to maintaining energy independence, which can only be achieved by increasing electricity production from domestic power plants. This measure is actually largely intertwined with measures EL1 and EL4, which include activities to revitalize existing power plants (with an increase in installed capacity in some), as well as the construction of new production capacities using renewable energy sources and gas. This measure includes one activity:

EL6.1 Increasing the reliability of the transmission system and the security of the consumer supply

The completion of the investment in CHP Pančevo is planned, as well as projects for the construction and connection of new transmission capacities. The holder of this activity is EMS JSC Belgrade, and the total value of all investments amounts to 15.1 billion RSD.

Measure EL7 includes activities for reconstruction, construction, and modernization in the production, transmission, and distribution of electricity. These activities are almost identical in their description to the activities belonging to measure EL1, with the difference that the ultimate objective of this measure is to increase energy efficiency in the production, transmission, and distribution of electricity, while improving the regulatory framework:

EL7.1 Investment projects for modernization in electricity production

This activity involves one project: the revitalization of the aggregates at the Bajina Bašta hydroelectric power plant, a project that, among other things, aims to increase the efficiency of the turbine and generator. The entity responsible for this activity is EPS JSC Belgrade, and the value of the aforementioned investment is 4.7 billion dinars.

EL7.2 Investment projects for the modernization of the transmission system

This activity comprises several projects, including the installation of shunt reactors in the transmission network, which will represent a significant step forward in modernizing the power system. The lead company for this activity is EMS JSC Belgrade, and the total value of all investments is 16.4 billion RSD.

EL7.3 Investment projects for the modernization of the distribution system

Replacing old power transformers with new ones with lower losses, developing and implementing software tools for planning, analysis, and advanced management of the distribution network, and implementing software tools for calculating losses, and implementing an integrated system for monitoring and managing the low-voltage distribution network are some of the very important projects that should be completed by 2028. The lead company for this activity is Elektrodistribucija Srbije Ltd. Belgrade, and the total value of all investments amounts to 13.8 billion RSD.

EL7.4 Adopting secondary legislation

To complete and improve the regulatory framework relating to the electricity sector, it is necessary to draft new or amend existing secondary legislation. It is also necessary to review and improve the current regulations that determine the technical requirements for the design, construction, testing, use, and maintenance of energy facilities. The Ministry of Mining and Energy is the party responsible for this activity, with no special financial resources required.

EL7.5 Monitoring power system reliability standards

The system reliability standard is defined as the necessary level of security of supply that should be provided through generation capacities, including a capacity assurance mechanism. To eliminate inadequacies in electricity generation and the transmission system, the Government, upon the proposal of the Ministry of Mining and Energy, may, as a last resort, introduce a capacity assurance mechanism, for which it is necessary to adopt an appropriate secondary legislation. The Ministry of Mining and Energy is responsible for this activity, and no special financial resources are foreseen for it.

Activities related to the measure EL2 are presented in Chapter 5.7. Coal Sector, while activities related to the measure EL3 are presented within measures EL4, EL5, EL6, and EL7.

A concise summary of the above measures with investment values and sources of financing is presented in Table 5.1.1.

Table 5.1.1: Measures in the electricity sector [3]

Name	Type*	Investment value			
		Year	Budget RS/LSGU	Own funds	Other sources
EL1 Preventive maintenance, revitalization (reconstruction), and modernization of power plants, transmission, and distribution networks	Inv	2026	3,650 mn RSD 31.13 mn EUR	32,293 mn RSD 275.4 mn EUR	29,935 mn RSD 255.3 mn EUR
		2027	2,291 mn RSD 19.54 mn EUR	40,267 mn RSD 363.8 mn EUR	28,731 mn RSD 245 mn EUR
		2028	2,579 mn RSD 22.00 mn EUR	62,745 mn RSD 535.1 mn EUR	27,519 mn RSD 234.7 mn EUR
EL4 Change of production portfolio	Inv	2026	20 mn RSD 0.17 mn EUR	2,321 mn RSD 19.8 mn EUR	137,537 mn RSD 1,173 mn EUR
		2027	0	4,157 mn RSD 35.5 mn EUR	149,553 mn RSD 1,275.5 mn EUR
		2028	0	2,600 mn RSD 22.2 mn EUR	108,265 mn RSD 923.4 mn EUR
EL5 Development of transmission and distribution networks to enable the greatest possible integration of RES	Inv	2026	0	2,382.7 mn RSD 20.32 mn EUR	0
		2027	0	909.4 mn RSD 7.76 mn EUR	0
		2028	0	1,293.7 mn RSD 11.03 mn EUR	0
EL6 Increase in electricity production from domestic power plants	Inv	2026	0	1,236.9 mn RSD 10.55 mn EUR	0
		2027	0	2,760.9 mn RSD 23.55 mn EUR	9,450.4 mn RSD 80.60 mn EUR
		2028	0	230.4 mn RSD 1.97 mn EUR	0
EL7 Reconstruction, construction, and modernization of electricity production, transmission, and distribution	Inv	2026	18.6 mn RSD 0.16 mn EUR	3,463.3 mn RSD 29.54 mn EUR	1,907.9 mn RSD 16.27 mn EUR
		2027	0	2,145.0 mn RSD 18.29 mn EUR	4,402.3 mn RSD 37.55 mn EUR
		2028	0	4,974.4 mn RSD 42.43 mn EUR	2,976.6 mn RSD 25.39 mn EUR
	R	2026	0	0	0
		2027	0	0	0
		2028	0	0	0
In total			8,559 mn RSD 73.00 mn EUR	166,166 mn RSD 1,417.19 mn EUR	500,277 mn RSD 4,266.76 mn EUR
			675,002.4 mn RSD 5,756.95 mn EUR		

* Inv-Investment, R-Regulatory, S – Supportive (Incentive), Inf-Informative, IG – Institutional/governance, F-Financial

Table 5.1.2 presents the adopted development objectives of the electricity sector, measures to achieve the stated objectives, indicators for monitoring implementation, the value of the indicator in 2023, and projected values in 2026-2028. Tables 5.1.3-5.1.7 present in detail the activities required for their implementation for each of the measures.

[3] The data is not final and refers only to those projects/activities for which values are known.

Table 5.1.2: Objectives, measures, and indicators in the electricity sector

Objectives		➢ Secure electricity supply to the domestic market	➢ Continuous reduction of greenhouse gas emissions	➢ Increasing the use of RES	➢ Maintaining energy independence	➢ Increasing energy efficiency in the production, transmission and distribution of electricity
Measures		EL1, EL2, EL7	EL3	EL4, EL5	EL6	EL7
Indicators		Indicators of technical efficiency in power plants Losses in the distribution system Number and duration of interruptions in the transmission and distribution network	Annual reduction of greenhouse gas emissions[4]	Share of electricity produced from RES[5]	Net energy import dependence [6]	Technical losses of electricity in the distribution network[7]
Indicator value in 2023		Losses in the distribution system 10.85% SAIFI in the distribution system 7.92 interr/user[8] SAIDI in the distribution system 851 min/user[9] Power outage in the transmission system 26,813 MW[10] ENS in the transmission system 3,443 MWh[11] ENS in the transmission system 0.0103%[12] AIT in the transmission system 55,71 min[13]	0.657 kg CO_2eq/kWh[14]	31,75%	-5.78%	7.6[15]%
Projected indicator value	**2026**	Losses in the distribution system 8.80%	0.677 kg CO_2eq/kWh	36.7%	-3.7%	7.0[16]%
	2027	Losses in the distribution system 8.50%	0.670 kg CO_2eq/kWh	38%	-3.7%	6.8[17]%
	2028	Data not available.	0.661 kg CO_2eq/kWh	39.8%	-3.9%	Data not available.

[4] The ratio of the amount of greenhouse gases emitted in the production of electricity to the total amount of electricity produced (measured in kg CO_2/kWh)
[5] Ratio of electricity produced from RES to total electricity produced
[6] Share of the electricity exports minus imports in total electricity available for consumption
[7] Losses in network elements
[8] SAIFI – average frequency of power outages per end user based on total losses without excluding outages due to force majeure
[9] SAIDI – average duration of power outages in minutes per end user based on total losses without excluding outages resulting from force majeure
[10] Power outage [MW] – total power outage at all metering points that were left without power due to an outage,
[11] ENS [MWh] – total unsupplied electricity, which represents the total unsupplied electricity during all outages
[12] ENS [%] – share of unsupplied electricity in total delivered electricity
[13] AIT – average supply interruption time due to transmission system events
[14] Electricity production from hydro power plants in 2023 was 23.3% above average
[15] Estimated value
[16] Estimated value
[17] Estimated value

Table 5.1.3-1: Activities for the implementation of the measure EL1- Activity EL1.1

Activity EL1.1	Investment projects of revitalization (reconstruction) and modernization of power plants
Name of the project	TEKO A1– Adaptation of unit A1[18]
Short description of the investment	The adaptation would enable reliable system operation to ensure capacity to support supply security in the Republic of Serbia, as well as the uninterrupted delivery of thermal energy during the winter period for the district heating of Požarevac (city). The scope of investment maintenance will be applied depending on the condition of the production capacity components and the availability of financial resources, considering that the project financing is carried out from EPS's own funds. Alternatively, depending on available funds, the revitalization of unit A1 can be planned instead of adaptation.
Institutions responsible for the implementation of measures and activities	EPS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EPS JSC Belgrade Ministry of Mining and Energy
Year of project funding start	2026.
Year of completion of project funding	2034.
Total project value (in thousands of RSD)	5,334,875 (45.5 million EUR)
Planned investments for 2026. (in thousands of RSD)	527,625
Planned investments for 2027. (in thousands of RSD)	58,625 (own funds of EPS JSC)
Planned investments for 2028. (in thousands of RSD)	527,625 (own funds of EPS JSC)

Activity EL1.1	Investment projects of revitalization (reconstruction) and modernization of power plants
Name of the project	TEKO A2– Adaptation of unit A2[19]
Short description of the investment	The adaptation would enable reliable system operation to ensure capacity to support supply security in the Republic of Serbia, as well as the uninterrupted delivery of thermal energy during the winter period for the district heating of Požarevac (city). The scope of investment maintenance will be applied depending on the condition of the production capacity components and the availability of financial resources, considering that the project financing is carried out from EPS's own funds. Alternatively, depending on available funds, the revitalization of Unit A2 can be planned instead of adaptation.
Institutions responsible for the implementation of measures and activities	EPS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EPS JSC Belgrade Ministry of Mining and Energy
Year of project funding start	2026.
Year of completion of project funding	2034.

[18] The project is linked to the investment in opening the surface mine in Dubravica, as securing a longer lifespan for units A1 and A2 through revitalization and implementation of environmental measures requires ensuring coal supply for operation beyond 2035.
[19] The project is linked to the investment in opening the surface mine in Dubravica, as securing a longer lifespan for units A1 and A2 through revitalization and implementation of environmental measures requires ensuring coal supply for operation beyond 2035.

Total project value (in thousands of RSD)	6,366,675 (54.3 million EUR)
Planned investments for 2026. (in thousands of RSD)	644,875 (own funds of EPS JSC)
Planned investments for 2027. (in thousands of RSD)	2,110,500 (own funds of EPS JSC)
Planned investments for 2028. (in thousands of RSD)	703,500 (own funds of EPS JSC)

Activity EL1.1	Investment projects of revitalization (reconstruction) and modernization of power plants
Name of the project	TENT A – Adaptation of Unit A1
Short description of the investment	The adaptation would ensure reliable system operation with the aim of securing the capacity needed to support the security of supply in the Republic of Serbia, as well as uninterrupted delivery of heat during the winter season for the district heating system of the city of Obrenovac. The scope of investment maintenance will be applied depending on the condition of the power plant components and the availability of financial resources, bearing in mind that the project is financed from EPS's own funds. Alternatively, depending on available funds, rehabilitation may be planned instead of adaptation.
Institutions responsible for the implementation of measures and activities	EPS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EPS JSC Belgrade Ministry of Mining and Energy
Year of project funding start	2026.
Year of completion of project funding	2030.
Total project value (in thousands of RSD)	3,517,500 (30 million EUR)
Planned investments for 2026. (in thousands of RSD)	586,250 (own funds of EPS JSC)
Planned investments for 2027. (in thousands of RSD)	586,250 (own funds of EPS JSC)
Planned investments for 2028. (in thousands of RSD)	586,250 (own funds of EPS JSC)

Activity EL1.1	Investment projects of revitalization (reconstruction) and modernization of power plants
Name of the project	TENT A – Adaptation of Unit A2
Short description of the investment	The adaptation would ensure reliable system operation with the aim of securing the capacity needed to support the security of supply in the Republic of Serbia, as well as uninterrupted delivery of heat during the winter season for the district heating system of the city of Obrenovac. The scope of investment maintenance will be applied depending on the condition of the power plant components and the availability of financial resources, bearing in mind that the project is financed from EPS's own funds. Alternatively, depending on available funds, rehabilitation may be planned instead of adaptation.
Institutions responsible for the implementation of measures and activities	EPS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EPS JSC Belgrade Ministry of Mining and Energy
Year of project funding start	2026.

Year of completion of project funding	2030.
Total project value (in thousands of RSD)	3,517,500 (30 million EUR)
Planned investments for 2026. (in thousands of RSD)	586,250 (own funds of EPS JSC)
Planned investments for 2027. (in thousands of RSD)	586,250 (own funds of EPS JSC)
Planned investments for 2028. (in thousands of RSD)	586,250 (own funds of EPS JSC)

Activity EL1.1	Investment projects of revitalization (reconstruction) and modernization of power plants
Name of the project	Replacement of the ash and slag transport system at TENT A
Short description of the investment	The project involves the implementation of a technology for transporting dilute ash and slag slurry, which reduces soil and groundwater pollution. The joint disposal of slag, ash, and gypsum enables the recirculation of the total amount of wastewater separated from the landfills, which will be used for the preparation and transport of dense slurry to the landfill. Expected dynamics of project implementation: 2026. Building permit 2027. Construction 2028. Construction
Institutions responsible for the implementation of measures and activities	EPS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EPS JSC Belgrade Ministry of Mining and Energy
Year of project funding start	2023.
Year of completion of project funding	2029.
Total project value (in thousands of RSD)	19,698,000 (168 million EUR)
Planned investments for 2026. (in thousands of RSD)	997,797.5 (own funds of EPS JSC)
Planned investments for 2027. (in thousands of RSD)	4,748,625 (own funds of EPS JSC)
Planned investments for 2028. (in thousands of RSD)	6,764,152.5 (own funds of EPS JSC)

Activity EL1.1	Investment projects of revitalization (reconstruction) and modernization of power plants
Name of the project	Capital overhaul of TENT A6 and primary measures for nitrogen oxide reduction
Short description of the investment	The project scope includes design, equipment supply, and design supervision of dismantling and installation activities related to the overhaul of existing boiler heating surfaces, implementation of primary measures to reduce nitrogen oxide emissions, optimization, and trial operation with guaranteed required parameters. Expected dynamics of project implementation: 2026. Building permit 2027. Construction
Institutions responsible for the implementation of measures and activities	EPS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EPS JSC Belgrade Ministry of Mining and Energy

Year of project funding start	2023.
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	6,782,912.5 (57.85 million EUR)
Planned investments for 2026. (in thousands of RSD)	29,312.5 (own funds of EPS JSC)
Planned investments for 2027. (in thousands of RSD)	585,077.5 (own funds of EPS JSC)
Planned investments for 2028. (in thousands of RSD)	150,080 (own funds of EPS JSC)

Activity EL1.1	Investment projects of revitalization (reconstruction) and modernization of power plants
Name of the project	TENT B2 capital overhaul (second phase of revitalization)
Short description of the investment	The project scope includes the design, equipment supply, and design supervision of dismantling and installation activities related to the overhaul of existing boiler heating surfaces, implementation of primary measures to reduce nitrogen oxide emissions, optimization, and trial operation with guaranteed required parameters. Expected dynamics of project implementation: 2026. Construction 2027. Construction
Institutions responsible for the implementation of measures and activities	EPS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EPS JSC Belgrade Ministry of Mining and Energy
Year of project funding start	2024.
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	16,884,000 (144 million EUR)
Planned investments for 2026. (in thousands of RSD)	10,801,070 (own funds of EPS JSC)
Planned investments for 2027. (in thousands of RSD)	656,600 (own funds of EPS JSC)
Planned investments for 2028. (in thousands of RSD)	/

Activity EL1.1	Investment projects of revitalization (reconstruction) and modernization of power plants
Name of the project	Construction of a new coal landfill and transport system from the port to the landfill at TENT B
Short description of the investment	This project involves the construction of additional storage capacities for external coal, which will enable more efficient blending of external coals with coal from the Kolubara Mining Basin, thus maintaining consistent coal quality and ensuring more reliable operation of TENT B units.
Institutions responsible for the implementation of measures and activities	EPS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EPS JSC Belgrade Ministry of Mining and Energy
Year of project funding start	2026.
Year of completion of project funding	2028.

Total project value (in thousands of RSD)	5,276,250 (45 million EUR)
Planned investments for 2026. (in thousands of RSD)	500,000 (own funds of EPS JSC)
Planned investments for 2027. (in thousands of RSD)	500,000 (own funds of EPS JSC)
Planned investments for 2028. (in thousands of RSD)	4,276,250 (own funds of EPS JSC)

Activity EL1.1	Investment projects of revitalization (reconstruction) and modernization of power plants
Name of the project	Project for the construction of a desulfurization plant for TENT B
Short description of the investment	The construction of flue gas desulfurization plants for both units of TENT B is expected to reduce the total amount of sulfur dioxide emissions and bring them down to a level of 130 mg/Nm³, as well as reduce particulate matter emissions below 20 mg/Nm³. Expected dynamics of project implementation: 2026. Use permit; end of the project
Institutions responsible for the implementation of measures and activities	EPS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EPS JSC Belgrade Ministry of Mining and Energy
Year of project funding start	2020.
Year of completion of project funding	2026.
Total project value (in thousands of RSD)	26,517,260 (226.14 million EUR)
Planned investments for 2026. (in thousands of RSD)	3,189,200 (own funds of EPS JSC)
Planned investments for 2027. (in thousands of RSD)	/
Planned investments for 2028. (in thousands of RSD)	/

Activity EL1.1	Investment projects of revitalization (reconstruction) and modernization of power plants
Name of the project	Project for the construction of the TENT B port
Short description of the investment	The project includes building a cargo port, which will enable river transport of coal for the thermal power plant, transportation of limestone for desulfurization, as well as the commercial distribution of ash and gypsum. Construction of a port for the import of external coal and the removal of ash and gypsum. Expected dynamics of project implementation: 2026. Building permit 2027. Construction 2028. Construction
Institutions responsible for the implementation of measures and activities	EPS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EPS JSC Belgrade Ministry of Mining and Energy
Year of project funding start	2026.
Year of completion of project funding	2029.
Total project value (in thousands of RSD)	8,704,640 (74,24 million EUR)
Planned investments for 2026. (in thousands of RSD)	99,662.5 (own funds of EPS JSC)

Planned investments for 2027. (in thousands of RSD)	8,500,625 (own funds of EPS JSC)
Planned investments for 2028. (in thousands of RSD)	/

Activity EL1.1	Investment projects of revitalization (reconstruction) and modernization of power plants
Name of the project	TEKO A1 and A2 – Implementation of primary and secondary NOx reduction systems, construction of a desulfurization plant, and a wastewater treatment facility[20]
Short description of the investment	An environmental project aimed at implementing primary and secondary NOx reduction systems, reducing sulfur dioxide emissions to approximately 150 mg/Nm³, and particulate matter emissions to less than 20 mg/Nm³. Additionally, the objective is to reduce emissions of HCl and HF gases. The project will cover units A1 and A2, with capacities of 100 MW and 210 MW, respectively. An environmental project that will enable the extended operation of the existing thermal power units. Expected dynamics of project implementation: 2028. Start of the project
Institutions responsible for the implementation of measures and activities	EPS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EPS JSC Belgrade Ministry of Mining and Energy
Year of project funding start	2026.
Year of completion of project funding	2029.
Total project value (in thousands of RSD)	23,596,562.5 (201.25 million EUR)
Planned investments for 2026. (in thousands of RSD)	597,975 (own funds of EPS JSC)
Planned investments for 2027. (in thousands of RSD)	5,862,500 (own funds of EPS JSC)
Planned investments for 2028. (in thousands of RSD)	16,415,000 (own funds of EPS JSC)

Activity EL1.1	Investment projects of revitalization (reconstruction) and modernization of power plants
Name of the project	Revitalization and capacity increase of the HPP Đerdap 2
Short description of the investment	The revitalization plan involves modernizing one turbine unit per year, aiming to upgrade all ten units of the HPP Đerdap 2 over ten years. The capacity of each turbine unit would be increased from 27 MW to 32 MW, and the operational lifespan of the power plant would be extended by an additional 30 years. Expected dynamics of project implementation: 2028. Start of the project
Institutions responsible for the implementation of measures and activities	EPS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EPS JSC Belgrade Ministry of Mining and Energy
Year of project funding start	n/a
Year of completion of project funding	2038.

[20] The project is linked to the investment in opening the PK mine in Dubravica, as securing a longer lifespan for units A1 and A2 through revitalization and implementation of environmental measures requires ensuring coal supply for operation beyond 2035.

Total project value (in thousands of RSD)	26,967,500 (230 million EUR)
Planned investments for 2026. (in thousands of RSD)	0
Planned investments for 2027. (in thousands of RSD)	0
Planned investments for 2028. (in thousands of RSD)	5,276,250 (loan)

Activity EL1.1	Investment projects of revitalization (reconstruction) and modernization of power plants
Name of the project	Revitalization and capacity increase of HPP Vlasina
Short description of the investment	Based on the approved technical documentation (Conceptual Design and Feasibility Study), the project foresees the replacement of the complete mechanical and electrical equipment of the HPP Vlasina units (HPP Vrla 1 to HPP Vrla 4), as well as the associated auxiliary systems of the power plants, due to the expiration of the equipment's operational life (obsolescence, wear and tear, and the impossibility of repairing or purchasing new parts for the existing equipment on the market). The new equipment for the units (turbines and generators) will feature a modern design with increased capacity and efficiency. Expected dynamics of project implementation: 2026: Preparatory activities; equipment manufacturing 2027: Construction works 2028: Construction works
Institutions responsible for the implementation of measures and activities	EPS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EPS JSC Belgrade Ministry of Mining and Energy
Year of project funding start	2025.
Year of completion of project funding	2031.
Total project value (in thousands of RSD)	12,939,783 (110.36 million EUR)
Planned investments for 2026. (in thousands of RSD)	1,963,009 (funding partly from WBIF, partly from the loan)
Planned investments for 2027. (in thousands of RSD)	2,772,387 (funding partly from the Regional Energy Efficiency Program (REEP), partly from the loan)
Planned investments for 2028. (in thousands of RSD)	3,468,312 (funding partly from WBIF, partly from the loan)

Activity EL1.1	Investment projects of revitalization (reconstruction) and modernization of power plants
Name of the project	Revitalization of the HPP Bistrica
Short description of the investment	Adaptation of the HPP Bistrica includes replacement or refurbishment of the main equipment of the units without increasing the installed capacity. Investment maintenance of auxiliary equipment (and its components) involves repair/replacement of systems that are in critical condition, while preserving the characteristics and modernizing the respective systems, with special attention to the compatibility of existing and newly designed parts. Expected dynamics of project implementation: 2026: Preparatory activities; equipment manufacturing 2027: Construction works 2028: Construction works
Institutions responsible for the implementation of measures and activities	EPS JSC Belgrade

Institutions responsible for monitoring implementation and reporting on the realization	EPS JSC Belgrade Ministry of Mining and Energy
Year of project funding start	2026.
Year of completion of project funding	2031.
Total project value (in thousands of RSD)	6,947,471 (59.25 million EUR)
Planned investments for 2026. (in thousands of RSD)	1,789,472 (funding partly from WBIF, partly from the loan)
Planned investments for 2027. (in thousands of RSD)	1,934,181 (funding partly from WBIF, partly from the loan)
Planned investments for 2028. (in thousands of RSD)	2,445,562 (funding partly from WBIF, partly from the loan)

Activity EL1.1	Investment projects of revitalization (reconstruction) and modernization of power plants
Name of the project	Revitalization of HPP Potpeć with the construction of the 4th turbine unit.
Short description of the investment	The project envisages the construction of a new (fourth) unit and the revitalization of existing units. The project foresees the replacement of the complete mechanical and electrical equipment of the existing units, as well as the associated auxiliary systems of the power plant, due to the expiration of the equipment's service life (obsolescence, wear and tear, and the impossibility of repairing or purchasing new parts for the existing equipment on the market). New equipment for the units (turbines and generators) will feature a modern design with increased capacity and efficiency. Expected dynamics of project implementation: 2026. Building permit 2027. Construction 2028. Construction
Institutions responsible for the implementation of measures and activities	EPS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EPS JSC Belgrade Ministry of Mining and Energy
Year of project funding start	2026.
Year of completion of project funding	2031.
Total project value (in thousands of RSD)	10,687,050 (91.15 million EUR)
Planned investments for 2026. (in thousands of RSD)	2,904,125 (funding partly from WBIF, partly from the loan)
Planned investments for 2027. (in thousands of RSD)	3,023,061 (funding partly from WBIF, partly from the loan)
Planned investments for 2028. (in thousands of RSD)	1,948,575 (funding partly from WBIF, partly from the loan)

Table 5.1.3-2: Activities for the implementation of the measure EL1 - Activity EL1.2

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	OHL 110 kV TS Ljubovija – state border – TS Srebrenica (BiH)
Name of the investment	OHL 110 kV Ljubovija – border / Srebrenica
Short description of the investment	Construction of a single-circuit 110 kV transmission line from the TS Ljubovija to the TS Srebrenica (BiH), with a total length of approximately 2.6 km within the territory of the Republic of Serbia. Expected dynamics of project implementation: 2026. Building permit

	2027. Construction 2028. Commissioning; trial operation
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2027.
Total project value (in thousands of RSD)	82,075 (0.7 million EUR)
Planned investments for 2026. (in thousands of RSD)	38,769 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	37,172 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	0

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Pannonian Corridor
Name of the investment	OHL 2x400 kV TS Subotica 3 – TS Šandorfalva
Short description of the investment	Construction of a double-circuit overhead line with a total length of approximately 28 km, outfitted with one circuit, to connect the existing TS Subotica 3 and TS Šandorfalva (Hungary). Expected dynamics of project implementation: 2026. Preliminary design 2027. Building permit 2028. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	1,534,802.5 (13.09 million EUR)
Planned investments for 2026. (in thousands of RSD)	28,000 (budget RS)
Planned investments for 2027. (in thousands of RSD)	447,895 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	1,051,732.5 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Pannonian Corridor
Name of the investment	OHL 2x400 kV TS Sombor 3 – TS Novi Sad 3, equipped with one circuit with conductor separation
Short description of the investment	Construction of a double-circuit overhead line approximately 80 km in length, equipped with one circuit, connecting the existing TS Novi Sad 3 and TS Sombor 3. Expected dynamics of project implementation: 2026. Location conditions 2027. Preliminary design 2028. Building permit

Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Ministry of Mining and Energy
Year of completion of project funding	2030.
Total project value (in thousands of RSD)	4,373,425 (37.3 million EUR)
Planned investments for 2026. (in thousands of RSD)	2,484 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	14,905 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	29,781.5 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Pannonian Corridor
Name of the investment	OHL 2x400 kV TS S. Mitrovica 2 –TS Belgrade 50
Short description of the investment	Construction of a 2x400 kV double-circuit OHL from TS S. Mitrovica 2 to TS Belgrade 50, approximately 60 km long, equipped with conductors on both circuits. Expected dynamics of project implementation: 2026. Location conditions 2027. Preliminary design 2028. Building permit
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Ministry of Mining and Energy
Year of completion of project funding	2030.
Total project value (in thousands of RSD)	4,174,100 (35.6 million EUR)
Planned investments for 2026. (in thousands of RSD)	3,654.5 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	14,656 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	42,210 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Pannonian Corridor
Name of the investment	400/110 kV TS Subotica 3, reconstruction and expansion
Short description of the investment	The reason for the reconstruction and expansion of the facility is the implementation of the Pannonian Corridor project, as well as the aging equipment at the 400/110 kV TS Subotica 3. Expected dynamics of project implementation: 2026. Preliminary design 2027. Building permit 2028. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade

Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	4,607,925 (39.3 million EUR)
Planned investments for 2026. (in thousands of RSD)	7,989 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	86,233 (own funds of EMS JSC) and 400,000 (budget RS)
Planned investments for 2028. (in thousands of RSD)	3,109,599 (own funds of EMS JSC) and 1,000,000 (budget RS)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Pannonian Corridor
Name of the investment	TS 400/110 kV Sombor 3, reconstruction and expansion
Short description of the investment	Construction of a complete TS 400 kV with five equipped (three DVP, one SP, and one TRP) and three unequipped bays in the busbar system. Expected dynamics of project implementation: 2026. Location conditions 2027. Preliminary design 2028. Building permit
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Ministry of Mining and Energy
Year of completion of project funding	2030.
Total project value (in thousands of RSD)	855,925 (7.3 million EUR)
Planned investments for 2026. (in thousands of RSD)	2,052 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	7,445 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	12,531 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Pannonian Corridor
Name of the investment	TS 400/110 kV Novi Sad 3, reconstruction and expansion
Short description of the investment	Extension of two double-circuit line bays at TS Novi Sad 3, one fully equipped and one unequipped, within the busbar system. Also, partial replacement of HV equipment in bay C02. Expected dynamics of project implementation: 2026. Location conditions 2027. Preliminary design 2028. Building permit
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Ministry of Mining and Energy
Year of completion of project funding	2030.

Total project value (in thousands of RSD)	286,090 (2.44 million EUR)
Planned investments for 2026. (in thousands of RSD)	19,815 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	7,445 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	9,673 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Pannonian Corridor
Name of the investment	TS 400/220/110 kV Sremska Mitrovica 2, equipping two double-circuit line bays
Short description of the investment	Equipping two double-circuit line bays at TS Sremska Mitrovica 2. Expected dynamics of project implementation: 2026. Location conditions 2027. Preliminary design 2028. Building permit
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Ministry of Mining and Energy
Year of completion of project funding	2030.
Total project value (in thousands of RSD)	286,090 (2.44 million EUR)
Planned investments for 2026. (in thousands of RSD)	1,987 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	7,445 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	9,771 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Pannonian Corridor
Name of the investment	400/110 kV TS Belgrade 50, equipping two OHL bays
Short description of the investment	Equipping two OHL bays at TS Belgrade 50. Expected dynamics of project implementation: 2026. Location conditions 2027. Preliminary design 2028. Building permit
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Ministry of Mining and Energy
Year of completion of project funding	2030.
Total project value (in thousands of RSD)	286,090 (2.44 million EUR)
Planned investments for 2026. (in thousands of RSD)	1,987 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	7,445 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	38,693 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Interconnection OHL 2x400 kV between Serbia, BiH, and Montenegro – Fourth section of the TBC
Name of the investment	OHL 2x400 kV interconnection between BiH, Montenegro, and Serbia
Short description of the investment	The project envisages the construction of a new interconnecting transmission line between Serbia, Montenegro and Bosnia and Herzegovina. The length of the route is 84 km. The project represents a vital part of future electricity transit across the territory of the Republic of Serbia. The full implementation of the project is a prerequisite for the integration of PSHPP Bistrica. Expected dynamics of project implementation: 2026. Construction 2027. Construction 2028. Commissioning; trial operation
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	6,237,700 (53.2 million EUR)
Planned investments for 2026. (in thousands of RSD)	1,439,612 (12,968 own funds of EMS JSC; 1,112,937 loan; 313,707 donations and other acquisitions without reimbursement)
Planned investments for 2027. (in thousands of RSD)	2,287,952 (1,780,700 loan; 507,252 donations and other acquisitions without reimbursement)
Planned investments for 2028. (in thousands of RSD)	2,180,405 (1,696,998 loan; 483,407 donations and other acquisitions without reimbursement)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	BeoGrid 2025 TS 400/110 kV Belgrade 50 with branching of 400 kV and 110 kV lines, and a OHL 400 kV TS Belgrade 50 - South Banat region
Name of the investment	400/110 kV TS Belgrade 50
Short description of the investment	The project envisages the construction of a new 400/110 kV substation near Dobanovci. Expected dynamics of project implementation: 2026. Construction 2027. Commissioning; trial operation 2028. Use permit; end of project
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Ministry of Mining and Energy
Year of completion of project funding	2027.
Total project value (in thousands of RSD)	7,339,264 (62.6 million EUR)
Planned investments for 2026. (in thousands of RSD)	523,436 (budget RS)
Planned investments for 2027. (in thousands of RSD)	2,785,840 (budget RS)
Planned investments for 2028. (in thousands of RSD)	0

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	BeoGrid 2025 400/110 kV TS Belgrade 50 with branching of 400 kV and 110 kV lines, and a OHL 400 kV TS Belgrade 50 - South Banat region
Name of the investment	OHL 400 kV No. 450 RP Mladost – TS Novi Sad 3, integration into Belgrade 50 substation
Short description of the investment	Leading the transmission line No. 450 into the substation, according to the input-output principle with single-system transmission lines. Expected dynamics of project implementation: 2026. Construction 2027. Commissioning; trial operation 2028. Use permit; end of project
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Ministry of Mining and Energy
Year of completion of project funding	2026.
Total project value (in thousands of RSD)	2,921,351 (24.92 million EUR)
Planned investments for 2026. (in thousands of RSD)	1,788,631 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	0
Planned investments for 2028. (in thousands of RSD)	0

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	BeoGrid 2025 TS 400/110 kV Belgrade 50 with branching of 400 kV and 110 kV lines, and OHL 400 kV TS Belgrade 50 - South Banat region
Name of the investment	OHL 110 kV No. 1178A TS Belgrade 5 – TS Belgrade 9, integration into TS Belgrade 50
Short description of the investment	Integration of OHL 110 kV No. 1178A TS Belgrade 5– TS Belgrade 9, using the in-out principle with a double-circuit overhead line. Expected dynamics of project implementation: 2026. Building permit 2027. Construction 2028. Commissioning, trial operation
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	1,194,919 (10.19 million EUR)
Planned investments for 2026. (in thousands of RSD)	14,367 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	364,607 (own funds of EMS JSC)

Planned investments for 2028. (in thousands of RSD)	812,381 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	BeoGrid 2025 TS 400/110 kV Belgrade 50 with branching of 400 kV and 110 kV lines, and OHL 400 kV TS Belgrade 50 - South Banat region
Name of the investment	OHL 110 kV No. 1178B TS Belgrade 5 – TS Belgrade 9, integration into TS Belgrade 50
Short description of the investment	Integration of OHL 110 kV No. 1178B TS Belgrade 5– TS Belgrade 9, using the in-out principle with a double-circuit overhead line. Expected dynamics of project implementation: 2026. Building permit 2027. Construction 2028. Commissioning, trial operation
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	1,194,502 (10.19 million EUR)
Planned investments for 2026. (in thousands of RSD)	14,367 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	397,115 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	780,280 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	BeoGrid 2025 TS 400/110 kV Belgrade 50 with branching of 400 kV and 110 kV lines, and OHL 400 kV TS Belgrade 50 - South Banat region
Name of the investment	OHL 2x110 kV TS Stara Pazova – TS Inđija 2, integration into TS Belgrade 50
Short description of the investment	Integration of the 110 kV OHL TS Stara Pazova – TS Inđija 2. The construction of two double-circuit overhead lines is planned, with one circuit equipped on each. Expected dynamics of project implementation: 2026. Building permit 2027. Construction 2028. Commissioning, trial operation
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	3,312,891 (28.25 million EUR)
Planned investments for 2026. (in thousands of RSD)	19,122 (own funds of EMS JSC)

Planned investments for 2027. (in thousands of RSD)	983,580 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	2,300,270 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	BeoGrid 2025 TS 400/110 kV Belgrade 50 with branching of 400 kV and 110 kV lines, and OHL 400 kV TS Belgrade 50 - South Banat region
Name of the investment	CB 2x110 kV TS Belgrade 50 – TS Belgrade 49
Short description of the investment	Construction of a double-circuit cable line from TS Belgrade 50 to TS Belgrade 49. Expected dynamics of project implementation: 2026. Construction 2027. Commissioning; trial operation 2028. Use permit; end of project
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Ministry of Mining and Energy
Year of completion of project funding	2026.
Total project value (in thousands of RSD)	2,257,203 (19.25 million EUR)
Planned investments for 2026. (in thousands of RSD)	1,826,891 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	0
Planned investments for 2028. (in thousands of RSD)	0

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	BeoGrid 2025 TS 400/110 kV Belgrade 50 with branching of 400 kV and 110 kV lines, and OHL 400 kV TS Belgrade 50 - South Banat region
Name of the investment	OHL 2x400 kV TS Belgrade 50– CSS Čibuk 1
Short description of the investment	Construction of a dual-system 400 kV TS Belgrade 50 – CSS Čibuk 1, consisting of two sections: • Section A: TS Belgrade 50 – OHL 2x400 kV No. 463B; • Section B: S Belgrade 50 –OHL 2x400kV No. 463A. Expected dynamics of project implementation: 2026. Building permit 2027. Construction 2028. Commissioning, trial operation
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	5,816,069 (49.6 million EUR)
Planned investments for 2026. (in thousands of RSD)	69,529 (own funds of EMS JSC)

Planned investments for 2027. (in thousands of RSD)	1,927,590 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	2,787,292 (own funds of EMS JSC) and 1,000,000 (budget RS)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	OHL 2x400 kV TS Obrenovac – TS Bajina Bašta, with the increase in voltage level at TS Bajina Bašta to 400 kV - Third section of the TBC
Name of the investment	OHL 2x400 kV B. Bašta - Obrenovac TS 400/220 kV Obrenovac, equipping two 400 kV bays 220/35 kV TS Bajina Bašta - construction of SS 400 kV
Short description of the investment	Section III of the Trans-Balkan Corridor includes building a new overhead double transmission line with a total length of 109 km and a voltage level of 400 kV between the TS Bajina Bašta and the TS Obrenovac. At the same time, the expansion of the 400 kV distribution plant at the TS Bajina Bašta is planned, as well as the equipping of two transmission lines at the 400/220 kV TS Obrenovac. The total increase in installed power at the TS Bajina Bašta, through the expansion of the TS Bajina Bašta, amounts to 800 MVA (the installation of two power transformers of 400 MVA each is planned). The project represents a vital part of future electricity transit across the territory of the Republic of Serbia and a prerequisite for the gradual shutdown of the 220 kV network in western Serbia. Expected dynamics of project implementation: 2026. Construction 2027. Commissioning; trial operation 2028. Use permit; end of project
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2027.
Total project value (in thousands of RSD)	10,503,255 (89.58 million EUR)
Planned investments for 2026. (in thousands of RSD)	4,350,626 (39,279 own funds of EMS JSC; 3,406,112.5 loan; 905,170 donations and other acquisitions without reimbursement)
Planned investments for 2027. (in thousands of RSD)	4,778,146 (3,774,277.5 loan; 1,003,660 donations and other acquisitions without reimbursement)
Planned investments for 2028. (in thousands of RSD)	0

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Reconstruction of the OHL 110 kV no. 142/1 TS Srbobran – TS Bečej into a dual-system transmission line
Name of the investment	OHL 110 kV No. 142/1 Srbobran – Bečej, reconstruction
Short description of the investment	Reconstruction into a dual-system transmission line along the route of a single-system and equipping one system. The project also includes an increase in the conductor cross-sectional area on the transmission line. Significant from a systemic perspective for the security of power supply in the Central Banat region. Expected dynamics of project implementation: 2026. Use permit; end of project
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade

Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2026.
Total project value (in thousands of RSD)	422,100 (3.6 million EUR)
Planned investments for 2026. (in thousands of RSD)	8,706 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	0
Planned investments for 2028. (in thousands of RSD)	0

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Installation of 220/110 kV transformation between TS 400/220 kV Obrenovac and TS 110/6 kV TENT A for auxiliary consumption
Name of the investment	TS 400/220 kV Obrenovac, installation of transformer T4 220/110 kV TS 110/6 kV TENT A for auxiliary consumption, equipping 110 kV bays CB 110 kV Obrenovac – TS 110/6 kV TENT A for auxiliary consumption
Short description of the investment	The project includes the installation of a T4 150 MVA power transformer and the equipping of the 220 kV transformer bay D05, the installation of complete equipment for the 110 kV E04 transmission line bay (bus disconnectors, circuit breakers, current and voltage transformers and an output disconnector with grounding blades) and the construction of a 110 kV cable from TS Obrenovac to TS TENT A. Expected dynamics of project implementation: 2026. Use permit; end of project
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Ministry of Mining and Energy
Year of project funding start	2026.
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	469,000 (4 million EUR)
Planned investments for 2026. (in thousands of RSD)	0
Planned investments for 2027. (in thousands of RSD)	0
Planned investments for 2028. (in thousands of RSD)	0

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Reconstruction of TS 400/110 kV Bor 2
Name of the investment	TS 400/110 kV Bor 2- reconstruction
Short description of the investment	The reconstruction is being carried out due to the obsolescence of HV equipment and protection and control systems in all 400 kV and 110 kV bays. The reconstruction increases the installed capacity of the substation, which allows increased security of supply to the Bor consumption area and new mining capacities. Expected dynamics of project implementation: 2026. Construction

	2028. Use permit; end of project
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2028 (construction part)
Total project value (in thousands of RSD)	1,571,150 (13.4 million EUR)
Planned investments for 2026. (in thousands of RSD)	302,974 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	139,528 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	17,119 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Reconstruction of TS 400/220/110 kV Pančevo 2
Name of the investment	TS 400/220/110 kV Pančevo 2, reconstruction
Short description of the investment	Replacement of equipment in 5 bays of the 400 kV plant, in all 3 bays of the 220 kV plant, and in 7 bays of the 110 kV plant. Reconstruction of the self-consumption plant, protection, management, and measurement systems, as well as all other necessary works in the plant, is also planned. Expected dynamics of project implementation: 2026. Construction 2027. Use permit; end of project
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2026 (construction part)
Total project value (in thousands of RSD)	1,324,925 (11.3 million EUR)
Planned investments for 2026. (in thousands of RSD)	158,673 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	0
Planned investments for 2028. (in thousands of RSD)	0

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Reconstruction of SS 400 kV Đerdap 1
Name of the investment	SS 400 kV Đerdap 1, reconstruction
Short description of the investment	The reconstruction is being carried out due to the obsolescence of high-voltage equipment and the protection and control systems in the 400 kV bays, where replacement has not yet been performed. Work is also underway regarding a new modular building and auxiliary consumption at HPP Đerdap 1. Expected dynamics of project implementation: 2026. Use permit; end of project
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade

Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2026.
Total project value (in thousands of RSD)	879,375 (7.5 million EUR)
Planned investments for 2026. (in thousands of RSD)	207,991 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	0
Planned investments for 2028. (in thousands of RSD)	0

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Reconstruction OHLs 110 kV No. 104/1 and 104/2 TS Belgrade 5 – TS Belgrade into two-system line
Name of the investment	OHL 110 kV No. 104/1 и 104/2 TS Belgrade 5 – TS Belgrade 2, reconstruction into two-system line
Short description of the investment	The project includes the reconstruction of a single-system 110 kV transmission line into a dual-system one with a conductor with a cross-section of 490/65 mm^2. (OHL 110 kV No. 104/1 TS Belgrade 2 – TS Belgrade 32 and OHL 110 kV No. 104/2 TS Belgrade 32 – TS Belgrade 5 from TS Belgrade 32 to pole No.7/31z). The reconstruction is necessary to ensure a secure supply of electricity to the new distribution substation Belgrade 44, the existing TS Belgrade 32, and TS Beograd 2, as well as the planned distribution substation near Makiško Polje. The reconstruction is necessary for the reliable supply of large current projects of national interest, such as the construction of the National Football Stadium with all accompanying facilities. Furthermore, this is emphasized by the selection of Belgrade as the host city for the World Expo 2027. Expected dynamics of project implementation: 2026. Use permit; end of project
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2026.
Total project value (in thousands of RSD)	656,600 (5.6 million EUR)
Planned investments for 2026. (in thousands of RSD)	481,222 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	0
Planned investments for 2028. (in thousands of RSD)	0

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	220 kV OHL layout and leading 110 kV OHL No. 117/1 TS Belgrade 2 - TS Belgrade 35 into TS Belgrade 3
Name of the investment	OHL 110 kV No.117/1, leading into TS Belgrade 3 and the 220 kV layout in TS Belgrade 3, equipping the 110 kV bays
Short description of the investment	Construction of a dual-system 110 kV transmission line with a length of approximately 7.7 km from the intersection of transmission line No. 117/1 to TS Belgrade 3 and equipping two

	110 kV bays at TS Belgrade 3. With the reconstruction of the 220 kV transmission line, it is planned to relocate the transmission line No. 213/2 to the route of the transmission line No. 204 by constructing a dual-system line with a length of approximately 3.2 km, while route 213/2 would be used for the 2x110 kV transmission line. The implementation of this project will solve the problem of power supply in the Kolubara region that will arise from the shutdown of the TPP Kolubara A. Expected dynamics of project implementation: 2026. Use permit; end of project
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2026.
Total project value (in thousands of RSD)	1,289,750 (11 million EUR)
Planned investments for 2026. (in thousands of RSD)	197,230 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	0
Planned investments for 2028. (in thousands of RSD)	0

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Reconstruction OHL 110 kV No. 113/2 TS Niš 2 – TS Leskovac
Name of the investment	OHL No. 113/2 Niš 2- Leskovac, reconstruction
Short description of the investment	Reconstruction of transmission line sections due to aging. The reconstruction of a section of approximately 47.4 km (from pole No. 11 to pole No. 39) of the total length of the transmission line is planned. The reconstruction foresees the complete replacement of steel lattice towers if they do not meet the requirements for Al/Fe 240/40 mm² conductors. Expected dynamics of project implementation: 2026. Construction 2027. Construction 2028. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	879,375 (7.5 million EUR)
Planned investments for 2026. (in thousands of RSD)	251,392 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	579,215 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	0

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Reconstruction OHL 110 kV No. 113/3 TS Leskovac 4 – TS Leskovac 2
Name of the investment	OHL 110 kV No. 113/3 TS Leskovac 4 – TS Leskovac 2, reconstruction
Short description of the investment	The planned reconstruction involves replacing concrete poles (8 pole locations) on the existing transmission line, and adapting sections with steel lattice towers (35 pole locations) by replacing the current Al/Steel conductors with special conductors. Expected dynamics of project implementation: 2026. Location conditions 2027. Preliminary design 2028. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	105,525 (0.9 million EUR)
Planned investments for 2026. (in thousands of RSD)	10,308 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	10,308 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	83,195 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Reconstruction OHL 110 kV No. 113/4 TS Leskovac 2 – EVP Grdelica
Name of the investment	OHL 110 kV No. 113/4 Leskovac 2 – EVP Grdelica
Short description of the investment	Reconstruction of transmission line sections due to aging. A reconstruction of approximately 12.12 km is planned. The reconstruction foresees the complete replacement of steel lattice towers if they do not meet the requirements for Al/Fe 240/40 mm² conductors. Expected dynamics of project implementation: 2026. Building permit 2027. Construction 2028. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	316,575 (2.7 million EUR)
Planned investments for 2026. (in thousands of RSD)	994 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	100,110 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	177,590 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Reconstruction OHL 110 kV No. 113/5 HPP Vrla 3 – EVP Grdelica
Name of the investment	OHL 110 kV No. 113/5 HPP Vrla 3 – EVP Grdelica, reconstruction
Short description of the investment	Reconstruction of transmission lines due to age and increase in conductor cross-section (The reconstruction envisages the replacement of conductors with conductors of larger cross-section, and if necessary, replacing the poles). Expected dynamics of project implementation: 2026. Building permit 2027. Construction 2028. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC BelgradeRepublic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	891,100 (7.6 million EUR)
Planned investments for 2026. (in thousands of RSD)	15,898 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	206,653 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	646,729 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Increase in installed capacity of 220/110 kV TS Valjevo 3
Name of the investment	TS 220/110 kV Valjevo 3, replacement of T1 and T2
Short description of the investment	The project involves the replacement of existing 220/110 kV transformers at TS Valjevo 3, with an installed capacity of 150 MVA each, with 220/110 kV transformers with an installed capacity of 250 MVA each. The project will be implemented in two phases, each of which will involve the replacement of one power transformer. Expected dynamics of project implementation: 2026. Construction 2027. Commissioning; trial operation 2028. Use permit; end of project
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Ministry of Mining and Energy
Year of project funding start	2026.
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	891,100 (7.6 million EUR)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Increase in installed capacity of TS 220/110 kV Zrenjanin 2
Name of the investment	Increase in installed capacity of TS 220/110 kV Zrenjanin 2
Short description of the investment	The replacement of the existing 220/110 kV transformer with a capacity of 200 MVA by a new 220/110 kV transformer with a capacity of 250 MVA is planned, thereby enabling increased supply security for the Zrenjanin consumption area. Expected dynamics of project implementation: 2026. Building permit 2027. Construction 2028. Commissioning; trial operation
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	199,325 (1.7 million EUR)
Planned investments for 2026. (in thousands of RSD)	171,185 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	0
Planned investments for 2028. (in thousands of RSD)	0

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Reconstruction SS 110 kV in (400)/220/110 kV TS Kraljevo 3
Name of the investment	400/220/110 kV TS Kraljevo 3, phase II reconstruction
Short description of the investment	Reconstruction of the existing 110 kV section at TS Kraljevo 3, i.e., reconstruction of individual transmission lines, transformer bays, and connection bays by replacing high-voltage equipment. The replacement of ropes, insulator chains, grounding, connecting, and suspension equipment on busbars GS1 and GS2, and the installation of protection and control systems are also planned. Expected dynamics of project implementation: 2026. Construction 2027. Commissioning; trial operation 2028. Use permit; end of project
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	164,150 (1.4 million EUR)
Planned investments for 2026. (in thousands of RSD)	133,064 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	0
Planned investments for 2028. (in thousands of RSD)	0

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Adaptation of OHL 110 kV No. 132/3 TS Kula – TS Srbobran
Name of the investment	OHL 110 kV No. 132/3 TS Kula – TS Srbobran, adaptation
Short description of the investment	Adaptation of the OHL 110 kV No. 132/3 TS Kula - TS Srbobran due to the age and poor condition of the equipment.The project is necessary to increase the reliability of the transmission system and the security of the power supply to consumers. Expected dynamics of project implementation: 2026. Commissioning; trial operation
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2026.
Total project value (in thousands of RSD)	328,300 (2.8 million EUR)
Planned investments for 2026. (in thousands of RSD)	178,442 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	0
Planned investments for 2028. (in thousands of RSD)	0

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Reconstruction 220/110/35 kV TS Požega – I phase
Name of the investment	220/110/35 kV TS Požega, reconstruction of 35 kV facility
Short description of the investment	Demolition of the existing 35 kV switchgear, elevation of the switchgear level to prevent flooding, and construction of a new 35 kV switchgear with a double busbar system. The development plan includes the construction of an indoor 35 kV switchgear, which needs to be coordinated with Elektrodistribucija Srbije Ltd. Belgrade. Expected dynamics of project implementation: 2026. The beginning of the project (due to a change in the project task)
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2027.
Total project value (in thousands of RSD)	105,525 (0.9 million EUR)
Planned investments for 2026. (in thousands of RSD)	6,061 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	93,240 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	0

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Adaptation of 110 kV OHL No. 137/2 EVP Resnik – TPP Kolubara
Name of the investment	OHL No. 137/2 EVP Resnik – TPP Kolubara, adaptation
Short description of the investment	Adaptation of the 110 kV OHL no. 137/2 EVP Resnik - TPP Kolubara due to the age and poor condition of the equipment. It involves the replacement of the phase conductor without increasing the transmission capacity, protective wire, insulation, and connecting and suspension equipment. Expected dynamics of project implementation: 2026. The beginning of the project
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of project funding start	2026.
Year of completion of project funding	2027.
Total project value (in thousands of RSD)	199,325 (1.7 million EUR)
Planned investments for 2026. (in thousands of RSD)	0
Planned investments for 2027. (in thousands of RSD)	198,580 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	0

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Reconstruction of 400/220/110 kV TS Sremska Mitrovica 2 into 400/110 kV TS - phase I
Name of the investment	400/220/110 kV TS Sremska Mitrovica 2, installation of transformer T4 400/110 kV
Short description of the investment	The first phase envisages the installation of a 400/110 kV autotransformer with a capacity of 300 MVA, along with the equipping of the 400 kV transformer bay and the complete reconstruction of the 110 kV transformer bay, along with the dismantling of the existing 220/110 kV T2 transformer bay with associated bays. After the implementation of sections III and IV and the installation of this transformer, conditions will be created for the shutdown of the OHL 220 kV No. 209/1 TS Bajina Bašta - TS Sremska Mitrovica 2. Expected dynamics of project implementation: 2026. Building permit 2027. Construction 2028. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	773,850 (6.6 million EUR)
Planned investments for 2026. (in thousands of RSD)	14,656 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	642,647 (own funds of EMS JSC)

Planned investments for 2028. (in thousands of RSD)	0

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	220/110 kV TS Požega, installation of two power transformers with a capacity of 2x250 MVA
Name of the investment	220/110 kV TS Požega, installation of two power transformers with a capacity of 2x250 MVA
Short description of the investment	Replacement of 220/110 kV power transformers due to aging and complete insulation and associated suspension equipment on busbars and cross-connections in the 220 and 110 kV facility, which is necessary due to aging and frequent failures. The installation of 220 kV busbar protection will improve the reliability of the 220 kV network in this area. Expected dynamics of project implementation: 2026. Building permit 2027. Construction 2028. Commissioning; trial operation
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2027.
Total project value (in thousands of RSD)	902,825 (7.7 million EUR)
Planned investments for 2026. (in thousands of RSD)	136,129 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	258,435 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	0

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Reconstruction 400/110 kV TS Kragujevac 2
Name of the investment	400/110 kV TS Kragujevac 2 - reconstruction
Short description of the investment	The remaining phase envisages the complete reconstruction of the 400/110 kV TS Kragujevac 2 due to the age of the facility itself. This phase includes the replacement of complete equipment in the 400 kV and 110 kV plants, as well as the reconstruction of the self-consumption plant, protection, control, and measurement systems, the reconstruction of existing brick buildings, and the construction of new ones. The existing transformers are retained. Expected dynamics of project implementation: 2026. Construction 2027. Construction 2028. Commissioning; trial operation
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	1,559,425 (13.3 million EUR)

Planned investments for 2026. (in thousands of RSD)	294,197 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	154,015 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	217,968 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Reconstruction of the OHL 2x110kV No. 101AB TS Belgrade 3 - TPP Kostolac A
Name of the investment	OHL 2x110kV No. 101AB TS Belgrade 3 - TPP Kostolac, reconstruction and adaptation of sections of transmission lines
Short description of the investment	Reconstruction of the existing 56 km long transmission line and adaptation of sections 8 km long. Part of the project has been completed; the remaining work is the rehabilitation with partial reconstruction of section "H" (35.95 km). Expected dynamics of project implementation: 2026. Building permit 2027. Construction 2028. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of project funding start	2026.
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	1,887,725 (16.1 million EUR)
Planned investments for 2026. (in thousands of RSD)	461,269 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	596,186 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	267,153 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Reconstruction of the OHL No. 121/2/3/4 (direction TS Belgrade 10 – TS TENT A Auxiliary consumption – EVP Brgule – TE Kolubara A)
Name of the investment	OHL No. 121/2/3/4 (direction TS Belgrade 10 – TS TENT A Auxiliary consumption – EVP Brgule – TE Kolubara A), reconstruction
Short description of the investment	Reconstruction of the transmission line along this route is planned, including the installation of OPGW, a special conductor equivalent to Al/Fe conductors with a cross-section of 240/40 mm², and the replacement of insulators and associated connecting and suspension equipment. Expected dynamics of project implementation: 2026. Building permit 2027. Construction 2028. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade

Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	867,650 (7.4 million EUR)
Planned investments for 2026. (in thousands of RSD)	19,972 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	816,360 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	28,965 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Reconstruction of the OHL 100 kV No. 105/2 TPP Morava – TS Jagodina 4
Name of the investment	OHL 100 kV No. 105/2 TPP Morava – TS Jagodina 4, reconstruction
Short description of the investment	The reconstruction includes the dismantling and removal of existing towers, removal of conductors and ground wire, installation of new towers, installation of new conductors and OPGW, as well as the installation of new insulators, connecting, and suspension equipmentExpected dynamics of project implementation: 2026. Building permit 2027. Construction 2028. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	433,825 (3.7 million EUR)
Planned investments for 2026. (in thousands of RSD)	0
Planned investments for 2027. (in thousands of RSD)	129,174 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	301,381 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Adaptation of OHL 110 kV No. 115/4 TS Požega - Beljina node and No. 182 TS Gornji Milanovac - Beljina node and dismantling of transmission line No. 115/9 TS Atenica node - Beljina node
Name of the investment	OHL 110 kV No. 115/4 TS Požega - Beljina node and No. 182 TS Gornji Milanovac - Beljina node and dismantling of transmission line No. 115/9 TS Atenica node - Beljina node
Short description of the investment	Replacement of conductors and ground wire, replacement of insulators, connecting and suspension equipment, replacement of grounding, rehabilitation of tower structures and foundations, and decommissioning of transmission line route No. 115/9. Expected dynamics of project implementation: 2026. Preliminary design 2027. Building permit

	2028. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	281,400 (2.4 million EUR)
Planned investments for 2026. (in thousands of RSD)	0
Planned investments for 2027. (in thousands of RSD)	280,458 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	0

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Reconstruction OHL 110 kV No. 117/2 TS Belgrade 35 – TPP Kolubara
Name of the investment	OHL 110 kV No. 117/2 TS Belgrade 35 – TPP Kolubara, reconstruction
Short description of the investment	The reconstruction is due to the occurrence of landslides and the compromised vertical alignment of the reinforced concrete columns. A complete reconstruction of OHL No. 117/2 is planned, which includes replacing the concrete poles along the entire length. Expected dynamics of project implementation: 2026. Preliminary design 2027. Building permit 2028. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	328,300 (2.8 million EUR)
Planned investments for 2026. (in thousands of RSD)	6,757 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	36,765 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	282,692 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Replacement of HV equipment in SS 400 kV Mladost
Name of the investment	SS 400 kV Mladost – replacement of HV equipment
Short description of the investment	Replacement of HV equipment is carried out due to obsolescence. Expected dynamics of project implementation: 2026. Location conditions 2027. Preliminary design 2028. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade

Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2029.
Total project value (in thousands of RSD)	1,125,600 (9.6 million EUR)
Planned investments for 2026. (in thousands of RSD)	2,981 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	299,096 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	409,536 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Reconstruction of OHL 110 kV No. 105/1 TS Petrovac – TPP Morava
Name of the investment	OHL 110 kV No. 105/1 TS Petrovac – TPP Morava, reconstruction
Short description of the investment	The reconstruction is necessitated by the age and poor condition of the power line, as well as the importance of the route to which this power line belongs for the transmission of energy produced from renewable sources in eastern Serbia to consumers located in the central Serbia region. This issue will gain importance following the planned shutdown of the TPP Morava. Expected dynamics of project implementation: 2026. Preliminary design 2027. Building permit 2028. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2029.
Total project value (in thousands of RSD)	480,725 (4.1 million EUR)
Planned investments for 2026. (in thousands of RSD)	11,656 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	72,536 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	192,949 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Reconstruction of the OHL 110 kV No. 123/4 TS Kragujevac 1 – TS Kragujevac 2
Name of the investment	OHL 110 kV No. 123/4 TS Kragujevac 1 – TS Kragujevac 2, reconstruction
Short description of the investment	The reconstruction is due to the ageing of the transmission lines and the need to expand the transmission system. Expected dynamics of project implementation: 2026. Preliminary design 2027. Building permit 2028. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade

Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2029.
Total project value (in thousands of RSD)	105,525 (0.9 million EUR)
Planned investments for 2026. (in thousands of RSD)	4,657 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	35,175 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	1,576 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Reconstruction of the OHL 110 kV No. 108 TS Jagodina – TS Kruševac 1
Name of the investment	OHL 110 kV No. 108 TS Jagodina – TS Kruševac 1, reconstruction into a dual-system and the equipping of one of the systems
Short description of the investment	The reconstruction is due to the age of the transmission line (poor condition of the concrete poles). A complete reconstruction of the transmission line into a dual-system system and the equipping of one of the systems are planned. Expected dynamics of project implementation: 2026. Preliminary design 2027. Building permit 2028. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2030.
Total project value (in thousands of RSD)	820,750 (7 million EUR)
Planned investments for 2026. (in thousands of RSD)	23,947 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	30,598 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	253,013 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Replacement of OHL 110 kV No. 130/3 TS Belgrade 16 – TS Belgrade 3 with a cable line
Name of the investment	Replacement of OHL 110 kV No. 130/3 TS Belgrade 16 – TS Belgrade 3 with a cable line
Short description of the investment	The reconstruction itself is due to the age of the transmission line and the need to increase its capacity. Replacement of the existing transmission line No. 130/3 TS Belgrade 3 - TS Belgrade 16 with a cable line, with a cross-section of no less than 1,000 mm2, which would connect these transformer stations. Expected dynamics of project implementation: 2026. Location conditions 2027. Preliminary design 2028. Construction

Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2031.
Total project value (in thousands of RSD)	1,066,975 (9.1 million EUR)
Planned investments for 2026. (in thousands of RSD)	99 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	58,526 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	247,865 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Replacement of sections of lines No. 117/1 and No. 1247 with a cable line
Name of the investment	CB 110 kV on the section of the OHL 110 kV route No. 117/1 from TS Belgrade 2 to pole No. 116 CB 110 kV on the section of the OHL 110 kV route No. 1247 from TS Belgrade 2 to pole No. 203
Short description of the investment	The underconstruction on the sections of lines No. 117/1 (TS Belgrade 2 – TS Belgrade 35) and No. 1247 (TS Belgrade 2 – TS Belgrade 22) is being resolved by cabling critical sections. In addition, the cabling of the aforementioned section will contribute to the reliability of electricity transmission on this route. Expected dynamics of project implementation: 2026. Location conditions 2027. Preliminary design 2028. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2029.
Total project value (in thousands of RSD)	1,254,575 (10.7 million EUR)
Planned investments for 2026. (in thousands of RSD)	4,151 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	397,478 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	415,065 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Reconstruction of the OHL 110 kV No. 147/2 TS Bor 2 – TS Negotin
Name of the investment	OHL 110 kV No. 147/2 TS Bor 2 – TS Negotin, reconstruction
Short description of the investment	Reconstruction of the existing transmission line into a dual-system one with the equipment of one system, with the installation of OPGW protective cables.Replacing current conductors with conductors of larger cross-section. The reconstruction is due to the

	age of the transmission lines and the need to facilitate the evacuation of energy produced at the HPP Đerdap 2. Expected dynamics of project implementation: 2026. Location conditions 2027. Preliminary design 2028. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	1,711,850 (14.6 million EUR)
Planned investments for 2026. (in thousands of RSD)	1,935 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	215,193 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	1,466,463 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Strengthening of the transmission network between the TS Bor 2 and the TS Zaječar 2
Name of the investment	CSS 110 kV Bor 4, equipping two OHL bays TS 110 kV Bor 2, equipping OHL bay OHL 110 kV TS Bor 2 - CSS Bor 4, equipping the 2nd system OHL 110 kV CSS Bor 4 - TS Zaječar 2, extension of the OHL
Short description of the investment	Equipping two 110 kV overhead lines in CSS Bor 4 due to the extension of overhead line 148/5 and equipping the second system from CSS Bor 4 to TS Zaječar 2. Equipping of 110 kV overhead line bays at TS Bor 2 due to the need to equip another system on transmission line No. 148/4 TS Bor 2 - CSS Bor 4. The adaptation of the dual-system 110 kV transmission line TS Bor 2 - CSS Bor 4 involves the installation of a second system on existing poles. Extension of the 110 kV transmission line from pole no. 53c on the OHL 148/5 to the Zaječar 2 substation. Expected dynamics of project implementation: 2026. Construction 2027. Construction 2028. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	410,375 (3.5 million EUR)
Planned investments for 2026. (in thousands of RSD)	85,965 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	64,071 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	64,071 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	OHL 110 kV TS Perlez – TS Žabalj
Name of the investment	OHL 110 kV TS Perlez – TS Žabalj
Short description of the investment	The project envisages the construction of a 44 km single-system 110 kV transmission line between TS Žabalj and TS Perlez. Expected dynamics of project implementation: 2026. Location conditions 2027. Preliminary design 2028. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	762,125 (6.5 million EUR)
Planned investments for 2026. (in thousands of RSD)	9,936 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	19,873 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	719,183 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Connecting lines for TS 110/35 kV Niš 9
Name of the investment	CB 110 kV TS Niš 9 – TS Niš 10 CB 110 kV TS Niš 6 – TS Niš 9
Short description of the investment	The connection of the new TS Niš 9 to the transmission network is planned with new 110 kV cable lines to the existing TS Niš 10 and to the new TS Niš 6. Expected dynamics of project implementation: 2026. Location conditions 2027. Preliminary design 2028. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2029.
Total project value (in thousands of RSD)	926,275 (7.9 million EUR)
Planned investments for 2026. (in thousands of RSD)	94,376 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	381,122 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	214,160 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	OHL 110 kV TS Valjevo 3 – TS Ljig
Name of the investment	OHL 110 kV TS Valjevo 3 – TS Ljig
Short description of the investment	Construction of a new single-system transmission line between the existing TS Ljig and TS Valjevo 3. The implementation of this project solves the radial power supply problem of TS Ljig. It is also expected that the connection of the future TS Mionica to the transmission system will be carried out by cutting this transmission line and introducing it into it according to the "input-output" principle. Expected dynamics of project implementation: 2026. Location conditions 2027. Preliminary design 2028. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	504,175 (4.3 million EUR)
Planned investments for 2026. (in thousands of RSD)	9,380 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	259,300 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	227,756 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Replacement of one cable section of CB 110 kV No. 172/1 TS Belgrade 6 – TS Belgrade 45
Name of the investment	CB 110 kV No. 172/1 TS Belgrade 6 – TS Belgrade 45, replacement of a section
Short description of the investment	Construction of a cable along a new route, with cross-linked polyethylene insulation, from the existing cable at TS Belgrade 6 to the transition joint in Admiral Geprat Street. Expected dynamics of project implementation: 2026. Construction 2027. Use permit; end of project
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2026.
Total project value (in thousands of RSD)	246,225 (2.1 million EUR)
Planned investments for 2026. (in thousands of RSD)	196,609 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	0
Planned investments for 2028. (in thousands of RSD)	0

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Reconstruction of the OHL 110 kV No. 115/1 TS Kraljevo 1 – TS Čačak 3
Name of the investment	OHL 110 kV No. 115/1 TS Kraljevo 1 – TS Čačak 3, reconstruction
Short description of the investment	Reconstruction into a dual-system transmission line with the equipment of one system. Expected dynamics of project implementation: 2026. Building permit 2027. Construction 2028. Use permit; end of project
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2027.
Total project value (in thousands of RSD)	691,775 (5.9 million EUR)
Planned investments for 2026. (in thousands of RSD)	236,059 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	419,664 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	0

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Reconstruction of the OHL 110 kV No. 116/2 TS Kosjerić – TS Valjevo 1
Name of the investment	OHL 110 kV No. 116/2 TS Kosjerić – TS Valjevo 1, reconstruction
Short description of the investment	Reconstruction of transmission lines due to ageing and increase in conductor cross-section (complete reconstruction, which includes replacement of poles, conductors, protective rope and suspension equipment). Expected dynamics of project implementation: 2026. Building permit 2027. Construction 2028. Construction, Use permit; end of project
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	879,375 (7.5 million EUR)
Planned investments for 2026. (in thousands of RSD)	60,501 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	599,131 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	209,015 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network

Name of the project	Reconstruction of the OHL 2x110 kV No. 113/1 TS Niš 1 – TS Niš 2
Name of the investment	OHL 2x110 kV No. 113/1 TS Niš 1 – TS Niš 2, reconstruction
Short description of the investment	Reconstruction of transmission lines into dual-system ones. Expected dynamics of project implementation: 2026. Commissioning; trial operation 2027. Use permit; end of project
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade Republic Commission for Energy Networks
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Ministry of Mining and Energy
Year of completion of project funding	2027.
Total project value (in thousands of RSD)	609,700 (5.2 million EUR)
Planned investments for 2026. (in thousands of RSD)	0
Planned investments for 2027. (in thousands of RSD)	0
Planned investments for 2028. (in thousands of RSD)	0

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Reconstruction and extension of the OHL 110 kV No. 114/3 TS Aleksinac – TS Niš 1
Name of the investment	OHL 110 kV No. 114/3 TS Aleksinac – TS Niš 1, reconstruction, relocation and extension
Short description of the investment	Reconstruction and extension of the OHL 114/3 and extension of OHL 1245 include reconstruction of the OHL 114-3, extension-relocation of the 114/3, extension of the dual-system transmission line (OHL 114/3+OHL 1245). The planned activities include dismantling and removal of existing poles, dismantling of conductors and protective rope, installation of new poles, installation of new conductors and OPGW protective rope, installation of new insulation, connection and suspension equipment. The installation of conductors with a larger cross-section is planned. Expected dynamics of project implementation: 2026. Location conditions 2027. Preliminary design 2028. Building permit
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	691,775 (5.9 million EUR)
Planned investments for 2026. (in thousands of RSD)	8,897 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	105,999 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	568,348 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	OHL 110 kV No. 150 TS Bor 1 – TS Majdanpek 1, leading into TS Majdanpek 2, and layout of 110 kV transmission lines in front of TS Majdanpek 2
Name of the investment	The subject of this project is the leading of the existing OHL 110 kV No. 150 TS Bor 1 – TS Majdanpek 1 to TS Majdanpek 2, as well as the upgrading of parts of the routes to relocate existing OHL 110 kV No. 128/8, No. 177, and No. 1241 in front of TS Majdanpek 2 (layout of the OHL at TS Majdanpek 2). OHL 110 kV No. 150 TS Bor 1 – TS Majdanpek 1, integration into TS Majdanpek 2, and layout of the OHL 110 kV in front of TS Majdanpek 2.
Short description of the investment	The project envisages the leading of the existing transmission line No. 150 TS Bor 1 - TS Majdanpek 1 into TS Majdanpek 2 and the unification of the 110kV transmission line in front of TS Majdanpek 2. Expected dynamics of project implementation: 2026. Building permit 2027. Construction 2028. Construction, Use permit; end of project
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	304,850 (2.6 million EUR)
Planned investments for 2026. (in thousands of RSD)	90,869 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	183,379 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	0

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Reconstruction of the OHL 110 kV No. 116/1 TS Sevojno – TS Kosjerić
Name of the investment	OHL 110 kV 116/1 Sevojno – Kosjerić, reconstruction
Short description of the investment	Reconstruction of the transmission line due to age and an increase in the cross-section of the conductors (complete reconstruction, which includes the replacement of concrete poles, conductors, protective rope, and suspension equipment on sections A and C, and the replacement of conductors, protective rope, suspension equipment, and steel lattice poles on section B). It is also planned to relocate part of the transmission line. Expected dynamics of project implementation: 2026. Commissioning; trial operation 2027. Use permit; end of project
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2027.
Total project value (in thousands of RSD)	574,525 (4.9 million EUR)

Planned investments for 2026. (in thousands of RSD)	175,265 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	0
Planned investments for 2028. (in thousands of RSD)	0

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Connection line for 110/35 kV TS Kragujevac 4
Name of the investment	CB 110 kV TS Kragujevac 5 – TS Kragujevac 4 (Sajmište)
Short description of the investment	Construction of a cable line from TS Kragujevac 5 to TS Kragujevac 4. In the process of harmonizing the plans of the TSO and DSO, the need to connect TS 110/35 kV Kragujevac 4 (Sajmište) to the transmission system was indicated. Expected dynamics of project implementation: 2026. Preliminary design 2027. Building permit 2028. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	328,300 (2.8 million EUR)
Planned investments for 2026. (in thousands of RSD)	305,743 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	0
Planned investments for 2028. (in thousands of RSD)	0

Name of the project	Investment projects focused on the reconstruction and construction of the transmission network
Name of the investment	Connecting line for the 110/35 kV TS Belgrade 46 (Zbeg)
Short description of the investment	OHL 110 kV No. 1153 TS Pančevo 2 – TS Belgrade 7, introducing into Belgrade 46
Institutions responsible for the implementation of measures and activities	Leading OHL 110 kV No. 1153 TS Pančevo 2 – TS Belgrade 7 into TS Belgrade 46 according to the input-output principle with single-system transmission lines. As part of the alignment of PSO and DSO development plans, the requirement for the connection of the new 110/35 kV Belgrade 46 distribution substation to the transmission network was identified. . Expected dynamics of project implementation: 2026. Building permit 2027. Construction 2028. Construction
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade
Year of project funding start	EMS JSC BelgradeRepublic Commission for Energy Networks Ministry of Mining and Energy
Total project value (in thousands of RSD)	2027.
Planned investments for 2026. (in thousands of RSD)	199,325 (1.7 million EUR)

Planned investments for 2027. (in thousands of RSD)	3,378 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	177,477 (own funds of EMS JSC)
Name of the project	0

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Connecting lines for the 100/20 kV TS Novi Sad 8
Name of the investment	OHL 110 kV No. 190B TS Novi Sad 2 – TS Novi Sad 3, leading into TS Novi Sad 8 OHL 110 kV No. 1135 TS Novi Sad 3 – TS Novi Sad 5, leading intoTS Novi Sad 8
Short description of the investment	The new distribution TS Novi Sad 8 is planned to be located in the northern part of Novi Sad, more precisely along Bulevar Evrope (Europe Boulevard). It is planned that TS Novi Sad 8 will be connected to the grid using the "input-output" system on the 110 kV overhead line No. 190B TS Novi Sad 2 - TS Novi Sad 3. OHL 110 kV No. 1135 TS Novi Sad 3 - TS Novi Sad 5 would be introduced into the new transformer station using a dual-system overhead line using the "input-output" system. Expected dynamics of project implementation: 2026. The beginning of the project 2027. Location conditions 2028. Building permit
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2029.
Total project value (in thousands of RSD)	293,125 (2.5 million EUR)
Planned investments for 2026. (in thousands of RSD)	11,910 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	92,495 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	92,495 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Connection line for the 110/20 kV TS Svilajnac
Name of the investment	OHL 110 kV No. 105/2 TPP Morava – TS Jagodina 4 and OHL 110 kV No. 105/1 TPP Morava – TS Petrovac, leading into TS Svilajnac
Short description of the investment	Leading of OHL 110 kV No. 105/2 TPP Morava – TS Jagodina 4 and OHL 110 kV No. 105/1 TPP Morava – TS Petrovac into TS Svilajnac is carried out using dual-system lines. The new TS Svilajnac has a dual function: relocating the distribution substation from the Morava TPP and bringing the 110/20 kV supply TS closer to the center of consumption. Expected dynamics of project implementation: 2026. The beginning of the project 2027. Location conditions 2028. Building permit
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade

Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2029.
Total project value (in thousands of RSD)	117,250 (1 million EUR)
Planned investments for 2026. (in thousands of RSD)	117.25 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	586 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	60 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Connecting line for the TS 110/10 kV Čačak 4
Name of the investment	OHL 110 kV TS G. Milanovac – Beljina node, leading into TS Čačak 4
Short description of the investment	The connection of this transformer station is considered according to the "input-output" principle to the OHL 110 kV No. 182 TS Gornji Milanovac - Beljina node. Expected dynamics of project implementation: 2026. Location conditions 2027. Preliminary design 2028. Building permit
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2029.
Total project value (in thousands of RSD)	140,700 (1.2 million EUR)
Planned investments for 2026. (in thousands of RSD)	3,975 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	26,427 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	26,427 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Connecting line for 110/35 kV TS Belgrade 55 (Zuce)
Name of the investment	OHL 110 kV 101A/1 TS Belgrade 3 -TS Smederevo 2, leading into TS Belgrade 55 (Zuce)
Short description of the investment	It is planned to connect the new TS Belgrade 55 (Zuce) to the transmission system according to the "input-output" principle on OHL 110 kV No. 101A/1 TS Belgrade 3 - TS Smederevo 2 (future TS Belgrade 42 - Grocka). Expected dynamics of project implementation: 2026. The beginning of the project 2027. Location conditions 2028. Preliminary design
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade

Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	140,700 (1.2 million EUR)
Planned investments for 2026. (in thousands of RSD)	1,330 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	127,278 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	11,992 (own funds of EMS JSC)

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Connection line for the TS 110/20 kV Kać
Name of the investment	OHL 110 kV No. 1005 TS Novi Sad 3 – CHP Novi Sad, leading into TS Kać
Short description of the investment	Leading of the OHL 110 kV No. 1005 TS Novi Sad 3 – CHP Novi Sad via two single-circuit feeders based on the input-output principle into the 110/20 kV Kać substation. During the coordination of the TSO and DSO planning documents, the necessity of connecting the TS 110/20 kV Kać to the transmission system was identified, in view of the planned development of the new Kać industrial zone and the need to ensure a reliable power supply for the associated industrial facility. Expected dynamics of project implementation: 2026. Construction 2027. Commissioning; trial operation 2028. Use permit; end of project
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	164,150 (1.4 million EUR)
Planned investments for 2026. (in thousands of RSD)	41,669 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	95,606 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	0

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Connection line for TS 110/10 kV Belgrade 49
Name of the investment	–CB 2x110 kV TS Aerodrom
Short description of the investment	Construction of a double cable line from the future Belgrade 44 substation (Surčin). In the process of harmonizing the plans of the OPS and the DSO, a remark was made regarding the connection of the 110/10 kV substation Belgrade 49 (Airport) to the transmission system. Following the planned increase in commercial facilities and the planned expansion of the Nikola Tesla Airport complex, the need arose to build a new 110/10 kV substation Belgrade 49 (Airport), owned by EDS. Expected dynamics of project implementation:

	2026. Construction 2027. Commissioning; trial operation 2028. Use permit; end of project
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	1,958,075 (16.7 million EUR)
Planned investments for 2026. (in thousands of RSD)	1,926,431 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	0
Planned investments for 2028. (in thousands of RSD)	0

Activity EL1.2	Investment projects focused on the reconstruction and construction of the transmission network
Name of the project	Connection line for TS 110/35 kV Belgrade 44 (Surčin)
Name of the investment	OHL 110 kV No. 104/2 Belgrade 5 – Belgrade 32, leading into the new TS Surčin
Short description of the investment	Construction of a connecting line with a length of approximately 7,145 km, then it is necessary to replace 3 poles of the 220 kV transmission line and reconstruct part of the line No. 104/2 into a dual-system line of approximately 2 km (due to the new substation, the overhead line being built over, and the presence of a main road), and the equipping of the second system from pole No. 16 to TS Belgrade 5. Expected dynamics of project implementation: 2026. Use permit; end of project
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of project funding start	2016.
Year of completion of project funding	2026.
Total project value (in thousands of RSD)	1,876,000 (16 million EUR)
Planned investments for 2026. (in thousands of RSD)	486,709 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	0
Planned investments for 2028. (in thousands of RSD)	0

Table 5.1.3-3: Activities for the implementation of measure EL1 - Activity EL1.3

Activity EL1.3	Investment projects focused on the reconstruction and construction of the distribution network
Name of the project	TS 110/10 kV National Stadium, TS 110/35 kV Surčin, line layout, and preparation of CSS
Description	Construction of new transformer substations, lines, and connection switching substation (CSS) for the supply of new consumers, improving medium-voltage network management, reducing the

	number and duration of outages, and minimizing technical losses in the distribution network. 1. Construction of missing electricity infrastructure: a. 110/35 kV TS Belgrade 44 "Surčin", installed capacity 2×31.5 MVA b. TS 110/10 kV Belgrade 58 "National Stadium", installed capacity 2×40 MVA c. 10 kV cable network through line infrastructure and through facilities to the transformer station with low-voltage metering d. 10/0.4 kV transformer stations for consumers metered at low voltage (residential units and associated facilities, stadium auxiliary buildings, line infrastructure, and others). 2. Construction of missing electricity connections: a. 10 kV cable network through line infrastructure to connection switching substations (CSSs) for facilities metered at 10 kV voltage level b. CSS with an appropriate number of 10 kV cells and metering at the 10 kV voltage level c. 1 kV lines from the transformer station as missing electrical infrastructure to the Metering and distribution cabinet d. Metering and distribution cabinet with meters and other measurement devices 3. Construction of associated optical cables for the power facility Expected dynamics of project implementation: 2026. Commissioning; trial operation 2027. Use permit; end of project
Institutions responsible for the implementation of measures and activities	Elektrodistribucija Srbije Ltd. Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	Elektrodistribucija Srbije Ltd. Belgrade Ministry of Mining and Energy Ministry of Economy
Year of completion of project funding	2026.
Required funds and source of financing (in thousands of RSD)	5,862,500 (50 million EUR)
Planned investments for 2026. (in thousands of RSD)	1,950,000 (budget RS)
Planned investments for 2027. (in thousands of RSD)	765,750 (budget RS)
Planned investments for 2028. (in thousands of RSD)	/
Impact of activity implementation on objective achievement	The project should provide: • powering new consumers, • better reliability of the distribution network; • reducing the number of outages and the duration of outages for end users; • reduction of losses in the distribution network; • reduction of total maintenance costs of the SS; better and higher-quality planning of the distribution network development.

Activity EL1.3	Investment projects focused on the reconstruction and construction of the distribution network
Name of the project	Construction of TS 110/10 kV BIOCAMPUS
Description	The construction of a new TS 110/10 kV Biocampus with an installed capacity of 2x40 MVA is planned to supply consumers within the new large scientific and research campus on Vojvode Stepe Street in Belgrade. Expected dynamics of project implementation: 2026. Construction

	2027. Commissioning; trial operation 2028. Use permit; end of project
Institutions responsible for the implementation of measures and activities	Elektrodistribucija Srbije Ltd. Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	Elektrodistribucija Srbije Ltd. Belgrade Ministry of Mining and Energy Ministry of Economy
Year of completion of project funding	2027.
Required funds and source of financing (in thousands of RSD)	2,462,250 (21 million EUR), funds from the RS budget
Planned investments for 2026. (in thousands of RSD)	18,563.568 (budget RS)
Planned investments for 2027. (in thousands of RSD)	1,066,975 (budget RS)
Planned investments for 2028. (in thousands of RSD)	/
Impact of activity implementation on objective achievement	The project should provide: • supplying new consumers, • better reliability of the distribution network; • reducing the number of outages and the duration of outages for end users; • reduction of losses in the distribution network; • reduction of the total maintenance costs of the TS.

Activity EL1.3	Investment projects focused on the reconstruction and construction of the distribution network
Name of the project	Automation of the medium-voltage network
Description	The subject of the project is the construction of new and reconstruction of existing 35/X kV substations, the supply and installation of new ring main unit (RMU) switchgear in existing X/0.4 kV substations, the supply and installation of new remotely controlled disconnecting devices in the medium-voltage network, the supply and installation of telecommunication equipment and an ADMS for analysis, planning, monitoring, and control of elements within the medium-voltage distribution network, as well as the delivery and implementation of the Advanced Distribution Management System. Expected dynamics of project implementation: 2026. Construction 2027. Commissioning; trial operation 2028. Use permit; end of project
Institutions responsible for the implementation of measures and activities	Elektrodistribucija Srbije Ltd. Belgrade EDF – International Networks Schneider Electric
Institutions responsible for monitoring implementation and reporting on the realization	Elektrodistribucija Srbije Ltd. Belgrade EDF – International Networks Schneider Electric Ministry of Mining and Energy Ministry of Economy
Year of completion of project funding	2028.
Required funds and source of financing (in thousands of RSD)	37,520,000 (320 million EUR)
Planned investments for 2026. (in thousands of RSD)	130,000 (budget RS) 2,696,750 (own funds) 4,736,900 (loan)

Planned investments for 2027. (in thousands of RSD)	58,625 (budget RS) 2,755,375 (own funds) 1,735,300 (loan)
Planned investments for 2028. (in thousands of RSD)	13,436,850 (own funds)
Impact of activity implementation on objective achievement	The project is expected to ensure a more reliable and higher-quality electricity supply, enable remote control of the network, and allow for faster fault detection and restoration

Activity EL1.3	Investment projects focused on the reconstruction and construction of the distribution network
Name of the project	Replacing electromechanical meters with smart meters
Description	The project includes the procurement of smart meters with two-way communication capability, as well as the procurement and implementation of an advanced system for meter reading and electricity consumption control – the Smart Metering system. Expected dynamics of project implementation: 2026. Commissioning; trial operation 2027. Commissioning; trial operation 2028. Commissioning; trial operation
Institutions responsible for the implementation of measures and activities	Elektrodistribucija Srbije Ltd. Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	Elektrodistribucija Srbije Ltd. Belgrade Ministry of Mining and Energy Ministry of Economy
Year of completion of project funding	2029.
Required funds and source of financing (in thousands of RSD)	59,211,250 (505 million EUR)
Planned investments for 2026. (in thousands of RSD)	9,380,000 (loan)
Planned investments for 2027. (in thousands of RSD)	9,679,378 (loan)
Planned investments for 2028. (in thousands of RSD)	9,679,378 (loan)
Impact of activity implementation on objective achievement	The Smart Metering system comprises Advanced Metering Infrastructure (AMI), Automated Meter Management (AMM), and Meter Data Management/Repository (MDM/R), including all required software and hardware components.

Activity EL1.3	Investment projects focused on the reconstruction and construction of the distribution network
Name of the project	DSEE Upgrade – Replacement of impregnated wooden poles with concrete poles, along with conductor replacement
Description	The project includes the replacement of worn-out impregnated wooden poles, which are in very poor condition, with new concrete poles. It also includes the replacement of existing conductors with modern, higher-capacity conductors. Replacements will be carried out in the most critical areas identified through monitoring of network outage trends. Expected dynamics of project implementation: 2026. Commissioning; trial operation
Institutions responsible for the implementation of measures and activities	Elektrodistribucija Srbije Ltd. Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	Elektrodistribucija Srbije Ltd. Belgrade Ministry of Mining and Energy Ministry of Economy

Year of completion of project funding	2026.
Required funds and source of financing (in thousands of RSD)	6,155,625 (52.5 million EUR)
Planned investments for 2026. (in thousands of RSD)	2,227,750 (loan)
Planned investments for 2027. (in thousands of RSD)	/
Planned investments for 2028. (in thousands of RSD)	/
Impact of activity implementation on objective achievement	The project contributes to loss reduction, lower maintenance costs, decreased outage durations, improved supply quality for end-users, increased distribution capacity, and significantly improved environmental protection conditions.
Impact on energy efficiency, climate and environmental protection	The number of faults and outages caused by pole failures is reduced, which also means less use of vehicles, considering that company vehicles are mostly diesel-powered. By installing concrete poles instead of old wooden poles, which are mostly impregnated with environmentally harmful black oils, the negative impact on soil quality is reduced.

Activity EL1.3	Investment projects focused on the reconstruction and construction of the distribution network
Name of the project	Reconstruction of 25 TS 110/x kV
Description	The reconstruction of TS 110/X kV/kV entails the following activities: - preparation of technical documentation, - carrying out construction and construction-craft works, - carrying out electrical work, - other works. Installation of electrical equipment and related construction works, to the extent provided for in the technical documentation. Expected dynamics of project implementation: 2026. The beginning of the project 2027. Construction 2028. Commissioning; trial operation
Institutions responsible for the implementation of measures and activities	Elektrodistribucija Srbije Ltd. Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	Elektrodistribucija Srbije Ltd. Belgrade Ministry of Mining and Energy Ministry of Economy
Year of project funding start	2026.
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	5,569,375 (47.5 million EUR) (EIB loan)
Planned investments for 2026. (in thousands of RSD)	1,113,875 (loan)
Planned investments for 2027. (in thousands of RSD)	2,227,750 (loan)
Planned investments for 2028. (in thousands of RSD)	2,227,750 (loan)
Implementation indicator	Number of reconstructed TSs.
Required funds and source of financing	The project should ensure better reliability of the distribution network, reduce the number of outages and the duration of outages for end users, reduce losses in the distribution network, and reduce the total costs of TS maintenance.
Impact on EE, climate, and environmental protection	Within the scope of the substation reconstruction, along with transformer replacement, circuit breakers, disconnectors, and switchgear assemblies are also replaced. Then the old circuit

	breakers (mostly oil-immersed) can be replaced with the best available technology, for example, vacuum circuit breakers. This avoids the use of harmful environmental substances that can affect soil quality. Circuit breakers employing harmful gases such as SF6 for arc quenching and current interruption may be replaced with more advanced and environmentally sustainable technologies. Replacing switchgear with new, more modern devices reduces the risk of fire and possible injuries at work. The reconstruction works will involve rehabilitating the oil sump and/or tank to ensure proper functioning, which will prevent oil spills and environmental soil pollution. The reconstruction also includes the replacement of ACCU batteries, which will prevent incidents of battery failure that cause the emission of harmful and flammable gases, as well as hazardous substances and electrolytes that contaminate the air and soil. Reconstruction reduces noise, vibrations, and radiation, whether from equipment or structural solutions of parts of the plant inside the building or outdoors. From a construction perspective, replacing equipment with new, more modern technologies will result in more compact transformer stations, with smaller areas, which can leave more space for control rooms, the renovation and equipping of which with modern occupational safety devices contributes to a safe and healthy working environment for employees. Due to the increased compactness of the technical part of the plant, the percentage of green areas can be increased.

Activity EL1.3	Investment projects focused on the reconstruction and construction of the distribution network
Name of the project	62 units of 110 kV circuit breakers, 53 units of 35 kV outdoor circuit breakers, and 75 units of 35 kV indoor circuit breakers
Description	Outdated 110 kV and 35 kV circuit breakers are being replaced with modern, next-generation breakers. Based on the history of circuit breaker operations and event analysis, facilities and equipment (circuit breakers) with reduced reliability are identified, and replacement activities with newer generation equipment are carried out. Expected dynamics of project implementation: 2026. The beginning of the project 2027. Construction 2028. Commissioning; trial operation
Institutions responsible for the implementation of measures and activities	Elektrodistribucija Srbije Ltd. Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	Elektrodistribucija Srbije Ltd. Belgrade Ministry of Mining and Energy Ministry of Economy
Year of project funding start	2026.
Year of completion of project funding	2028.
Required funds and source of financing (in thousands of RSD)	515,900 (4.4 million EUR) (EIB loan)
Planned investments for 2026. (in thousands of RSD)	46,900 (loan)
Planned investments for 2027. (in thousands of RSD)	234,500 (loan)
Planned investments for 2028. (in thousands of RSD)	234,500 (loan)
Implementation indicator	Number of replaced switches.

Impact of the activity on the achievement of the objective	The project aims to ensure improved reliability of the distribution network, a reduction in the number and duration of outages for end-users, and a decrease in overall network maintenance costs.
Impact on EE, climate, and environmental protection	Old circuit breakers (mostly oil-immersed) can be replaced with the best available technology, for example, vacuum circuit breakers. This avoids the use of harmful environmental substances that can affect soil quality. Circuit breakers that use harmful gases (such as SF6) for arc quenching and current interruption can be replaced with more modern and environmentally friendly technology. Replacing switchgear with new, more modern devices reduces the risk of fire and possible work injuries.

Activity EL1.3	Investment projects focused on the reconstruction and construction of the distribution network
Name of the project	50 units of 110 kV disconnectors, 75 units of 35 kV outdoor disconnectors, and 61 units of 35 kV indoor disconnectors
Description	Outdated 110 kV and 35 kV circuit breakers are being replaced with modern, next-generation breakers. Based on the history of circuit breaker operations and event analysis, facilities and equipment (disconnectors) with reduced reliability are identified, and replacement activities with newer generation equipment are carried out. Expected dynamics of project implementation: 2026. The beginning of the project 2027. Construction 2028. Commissioning; trial operation
Institutions responsible for the implementation of measures and activities	Elektrodistribucija Srbije Ltd. Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	Elektrodistribucija Srbije Ltd. Belgrade Ministry of Mining and Energy Ministry of Economy
Year of project funding start	2026.
Year of completion of project funding	2028.
Required funds and source of financing (in thousands of RSD)	152,425 (1.3 million EUR) (EIB loan)
Planned investments for 2026. (in thousands of RSD)	35,175 (loan)
Planned investments for 2027. (in thousands of RSD)	58,625 (loan)
Planned investments for 2028. (in thousands of RSD)	58,625 (loan)
Implementation indicator	Number of replaced disconnectors.
Impact of the activity on the achievement of the objective	The project aims to ensure improved reliability of the distribution network, a reduction in the number and duration of outages for end-users, and a decrease in overall network maintenance costs.
Impact on EE, climate, and environmental protection	Replacing switchgear with new, more modern devices reduces the risk of fire and possible work injuries.

Activity EL1.3	Investment projects focused on the reconstruction and construction of the distribution network
Name of the project	Reconstruction of 110 kV transformer bays in substations where energy exchange metering with EMS JSC is performed on the medium-voltage side (70 substations and 107 transformer bays)
Description	The project is intended to enable accurate measurement of electricity drawn from the transmission system, eliminating the need for correction factors previously used, thereby contributing to the reduction of energy losses in the distribution network. The reconstruction of the transformer bay will also increase the reliability of the system.

	The project is in preparation.
Institutions responsible for the implementation of measures and activities	Elektrodistribucija Srbije Ltd. Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	Elektrodistribucija Srbije Ltd. Belgrade Ministry of Mining and Energy Ministry of Economy

Activity EL1.3	Investment projects focused on the reconstruction and construction of the distribution network
Name of the project	Cables and harnesses with accessories of all voltage levels
Description	The project should ensure faster implementation of investments, connections, and maintenance. The project is in preparation.
Institutions responsible for the implementation of measures and activities	Elektrodistribucija Srbije Ltd. Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	Elektrodistribucija Srbije Ltd. Belgrade Ministry of Mining and Energy Ministry of Economy

Activity EL1.3	Investment projects focused on the reconstruction and construction of the distribution network
Name of the project	Construction of optical infrastructure
Description	The project for the construction of optical infrastructure involves the procurement and installation of different types of optical cables (OPGW, ADSS, and underground cables) to interconnect the distribution areas and branches of "Elektrodistribucija Srbije", to achieve telecommunications independence from EPS, EMS, and commercial telecom operators. The project will establish high-capacity, highly reliable connections between distribution area centers and the branch centers of EDS. This project facilitates the establishment of a unified and independent ICT system for the company, enhancing efficiency, enabling centralized management and control of the electric power distribution system, supporting centralized unified business systems, reducing operational expenses, and contributing to the reduction of both commercial and technical losses. This project would contribute to a more efficient implementation of the medium-voltage network automation project, the Smart Grid project, and similar capital projects being carried out throughout the country. Expected dynamics of project implementation: 2026. The beginning of the project 2027. Preliminary design 2028. Construction
Institutions responsible for the implementation of measures and activities	Elektrodistribucija Srbije Ltd. Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	"Elektrodistribucija Srbije" LLC Ministry of Mining and Energy Ministry of Economy
Year of project funding start	n/a
Year of completion of project funding	2030.
Required funds and source of financing (in thousands of RSD)	6,800,500 (58 million EUR)
Planned investments for 2026. (in thousands of RSD)	199,325 (own funds)
Planned investments for 2027. (in thousands of RSD)	1,172,500 (own funds)
Planned investments for 2028. (in thousands of RSD)	1,172,500 (own funds)

Implementation indicator	Data not available.
Impact of the activity on the achievement of the objective	Improved efficiency, enabling centralized management and control over the electricity distribution system, enables centralized business systems, reduces operating costs, and affects the reduction of operational and technical losses.
Impact on EE, climate, and environmental protection	Data not available.

Activity EL1.3	Investment projects focused on the reconstruction and construction of the distribution network
Name of the project	NOC (Network Operations Center)
Description	The necessity for ongoing maintenance and advancement of EDS's ICT infrastructure mandates the establishment of a consolidated monitoring center for ICT infrastructure, services, and applications, the Network Operations Center (NOC). The main tasks of this system are: 1. Stable operation of the entire ICT infrastructure of the company, - Continuous 24/7 supervision of network infrastructure, data centers, and applications aimed at the timely detection of failures in critical segments of the ICT systems and applications - Monitoring consolidation – efficient use of people and faster, more efficient problem solving, establishing visibility of all relevant events, - Preventing incidents or when these incidents occur, faster identification, - More efficient control of system operation, - Avoiding service outages or minimizing the time to resolve them, thereby ensuring better quality of service to end users, - Improving the utilization of the company's hardware, through control of their quality work, - Better deployment of technically qualified personnel, faster exchange of information. 2. Monitoring connections to external systems,• Support for local ICT teams, 3. Reducing operating and maintenance costs,• Improved productivity, 4. Improving the company's image. The main activities of the system are: 1. Planning and monitoring the use of the company's ICT infrastructure, 2. Supervision and maintenance of the company's ICT infrastructure, 3. Supervision and maintenance of telecommunications systems, IP networks, IP telephony, video surveillance systems, access control, and other enterprise infrastructure systems, 4. Assisting in maintaining ICT systems at the local level, 5. Participation in planning and coordination of the expansion of ICT systems. Expected dynamics of project implementation: 2026. The beginning of the project 2027. Use permit; end of project
Institutions responsible for the implementation of measures and activities	Elektrodistribucija Srbije Ltd. Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	Elektrodistribucija Srbije Ltd. Belgrade Ministry of Mining and Energy Ministry of Economy
Year of project funding start	n/a
Year of completion of project funding	2027.
Required funds and source of financing	234,500 (2 million EUR)

(in thousands of RSD)	
Planned investments for 2026. (in thousands of RSD)	117,250 (own funds)
Planned investments for 2027. (in thousands of RSD)	117,250 (own funds)
Planned investments for 2028. (in thousands of RSD)	0
Implementation indicator	Data not available.
Required funds and source of financing	This project enables the planning and monitoring of the company's ICT infrastructure usage, supervision and maintenance of the ICT infrastructure, telecommunication systems, IP network, IP telephony, video surveillance systems, access control, and other infrastructure systems of the company, as well as providing support in maintaining ICT systems at the local level and participating in the planning and coordination of ICT system expansion.
Impact on EE, climate, and environmental protection	Data not available.

Table 5.1.4-1: Activities for the implementation of measure EL4 – Activity EL4.1

Activity EL4.1	Construction of RES within EPS JSC
Name of the project	Construction of the hydropower plants "Buk Bijela", "Foča" and "Paunci" on the Drina River
Short description of the investment	The project involves the construction of a system of 3 hydroelectric power plants on the upper reaches of the Drina River: HPP Buk Bijela, HPP Foča and HPP Paunci. The power plants are planned as run-of-the-river plants with concrete dams and Kaplan turbines. The projected capacity of the Gornja Drina Hydroelectric Power System is planned to be up to 212 MW (HPP Buk Bijela 114.4 MW, HPP Foča 53.6 MW, and HPP Paunci 43.2 MW), with an average annual production of around 705 GWh. The project is in preparation. The Environmental Impact Study for the Buk Bijela Hydropower Plant project is currently being prepared, along with the process of obtaining a new Environmental Permit in accordance with the relevant legal regulations of the Republic of Srpska. The timeline for further activities will be defined following the issuance of the Environmental Permit.
Institutions responsible for the implementation of measures and activities	Joint Stock Company "Elektroprivreda Srbije"
Institutions responsible for monitoring implementation and reporting on the realization	Joint Stock Company "Elektroprivreda Srbije" Ministry of Mining and Energy

Activity EL4.1	Construction of RES within EPS JSC Belgrade
Name of the project	Morava solar power plant construction project
Short description of the investment	The solar power plant is located on the territory of the municipality of Svilajnac, encompassing the ash disposal area and other accessible areas of the Morava thermal power plant. The planned installed capacity is 31.8 MW, and the annual production is 56 GWh. The investment value is given with the costs of landfill reclamation for EUR 5,100,000.00. Expected dynamics of project implementation: 2026. Building permit 2027. Construction 2028. Construction
Institutions responsible for the implementation of measures and activities	Joint Stock Company "Elektroprivreda Srbije"

Institutions responsible for monitoring implementation and reporting on the realization	Joint Stock Company "Elektroprivreda Srbije" Ministry of Mining and Energy
Year of project funding start	n/a
Year of completion of project funding	2029.
Total project value (in thousands of RSD)	3,505,775 (29.90 million EUR)
Planned investments for 2026. (in thousands of RSD)	26,000 (own funds)
Planned investments for 2027. (in thousands of RSD)	586,250 (loan)
Planned investments for 2028. (in thousands of RSD)	1,172,500 (loan)

Activity EL4.1	Construction of RES within EPS JSC Belgrade
Name of the project	Kolubara solar power plant construction project
Short description of the investment	The Kolubara A solar power plant is planned to extend over the ash dump, coal dump, and other available areas of the Kolubara A Thermal Power Plant. The location is in central Serbia, in the settlement of Veliki Crljeni, about 40 kilometers southeast of Belgrade. The planned installed capacity is 78.6 MW, and the annual production is 116 GWh. The project value includes reclamation costs of EUR 12,467,000. Expected dynamics of project implementation: 2026. Building permit 2027. Construction 2028. Construction
Institutions responsible for the implementation of measures and activities	Joint Stock Company "Elektroprivreda Srbije"
Institutions responsible for monitoring implementation and reporting on the realization	Joint Stock Company "Elektroprivreda Srbije" Ministry of Mining and Energy
Year of project funding start	n/a
Year of completion of project funding	2029.
Total project value (in thousands of RSD)	7,445,375 (63.5 million EUR)
Planned investments for 2026. (in thousands of RSD)	26,000 (own funds)
Planned investments for 2027. (in thousands of RSD)	1,172,500 (loan)
Planned investments for 2028. (in thousands of RSD)	2,755,375 (loan)

Activity EL4.1	Construction of RES within EPS JSC Belgrade
Name of the project	Construction of self-balancing solar power plants with a capacity of 1 GW
Short description of the investment	The project involves the construction of a solar power plant system with a capacity of 1,200 MWdc (1,000 MWac) with 200 MW of battery storage (capacity 400 MWh), using a turnkey model, which includes development, financing, design, engineering, construction, and commissioning. This is the most significant project in the sector of RES in the Republic of Serbia. The project also includes management and maintenance for a period of two years after the installation of the equipment. A tripartite agreement signed between the Government of the Republic of Serbia (Project Financier), the Electric Power Industry of Serbia – EPS (Project Investor), and the Strategic Partner defines the project cost at €1.698 million. The activities of the Strategic

	Partner, Financier, and Investor are ongoing after the signing of the contract in accordance with the Agreement. Negotiations regarding the financing of the project are also ongoing. Expected dynamics of project implementation: 2026. Preliminary design 2027. Building permit 2028. Construction
Institutions responsible for the implementation of measures and activities	Joint Stock Company "Elektroprivreda Srbije"
Institutions responsible for monitoring implementation and reporting on the realization	Joint Stock Company "Elektroprivreda Srbije" Ministry of Mining and Energy
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	199,090,500 (1,698 million EUR)
Planned investments for 2026. (in thousands of RSD)	66,695,318 (loan)
Planned investments for 2027. (in thousands of RSD)	56,901,867 (loan)
Planned investments for 2028. (in thousands of RSD)	75,493,315 (loan)

Table 5.1.4-2: Activities for the implementation of measure EL4 – Activity EL4.2

Activity EL4.2	Construction of RES owned by private investors
Name of the project	WPP Vetrozelena
Short description of the investment	Construction of the Vetrozelena wind farm, with an installed capacity of 291 MW. Expected dynamics of project implementation: 2026. The beginning of the project 2027. Commissioning; trial operation 2028. Use permit; end of project
Institutions responsible for the implementation of measures and activities	VETROZELENA DOO BEOGRAD-VRAČAR
Institutions responsible for monitoring implementation and reporting on the realization	VETROZELENA DOO BEOGRAD-VRAČAR Ministry of Mining and Energy
Year of project funding start	n/a
Year of completion of project funding	2027.
Total project value (in thousands of RSD)	65,026,850 (554.6 million EUR)
Planned investments for 2026. (in thousands of RSD)	19,508,055
Planned investments for 2027. (in thousands of RSD)	45,518,795
Planned investments for 2028. (in thousands of RSD)	0
Impact on EE, climate, and environmental protection	n/a

Activity EL4.2	Construction of RES owned by private investors
Name of the project	WPP Crni Vrh
Short description of the investment	Construction of the Crni Vrh wind farm, with an installed capacity of 150 MW. Expected dynamics of project implementation: 2026. Commissioning; trial operation 2027. Use permit; end of project

Institutions responsible for the implementation of measures and activities	CRNI VRH POWER DOO ŽAGUBICA
Institutions responsible for monitoring implementation and reporting on the realization	CRNI VRH POWER DOO ŽAGUBICA Ministry of Mining and Energy
Year of project funding start	n/a
Year of completion of project funding	2027.
Total project value (in thousands of RSD)	25,443,250 (217 million EUR)
Planned investments for 2026. (in thousands of RSD)	0
Planned investments for 2027. (in thousands of RSD)	0
Planned investments for 2028. (in thousands of RSD)	0
Impact on EE, climate, and environmental protection	n/a

Activity EL4.2	Construction of RES owned by private investors
Name of the project	WPP Čibuk 2
Short description of the investment	Construction of the Čibuk 2 wind farm, with an installed capacity of 150 MW. Expected dynamics of project implementation: 2026. Use permit; end of project
Institutions responsible for the implementation of measures and activities	ČIBUK 2 WIND ENERGY DOO BEOGRAD-VRAČAR
Institutions responsible for monitoring implementation and reporting on the realization	ČIBUK 2 WIND ENERGY DOO BEOGRAD-VRAČAR Ministry of Mining and Energy
Year of project funding start	n/a
Year of completion of project funding	2026.
Total project value (in thousands of RSD)	23,343,303 (199.09 million EUR)
Planned investments for 2026. (in thousands of RSD)	23,343,303
Planned investments for 2027. (in thousands of RSD)	0
Planned investments for 2028. (in thousands of RSD)	0
Impact on EE, climate, and environmental protection	n/a

Activity EL4.2	Construction of RES owned by private investors
Name of the project	WPP Jasikovo
Short description of the investment	Construction of the Jasikovo wind farm, with an installed capacity of 70 MW. Expected dynamics of project implementation: 2026. Construction 2027. Use permit; end of project
Institutions responsible for the implementation of measures and activities	JASIKOVO LLC Belgrade-Zemun
Institutions responsible for monitoring implementation and reporting on the realization	JASIKOVO LLC Belgrade-Zemun Ministry of Mining and Energy
Year of project funding start	n/a

Year of completion of project funding	2026.
Total project value (in thousands of RSD)	10,787,000 (92 million EUR)
Planned investments for 2026. (in thousands of RSD)	9,614,500
Planned investments for 2027. (in thousands of RSD)	0
Planned investments for 2028. (in thousands of RSD)	0
Impact on EE, climate, and environmental protection	n/a

Activity EL4.2	Construction of RES owned by private investors
Name of the project	WPP Alibunar 1
Short description of the investment	Construction of the Alibunar 1 wind farm, with an installed capacity of 96.6 MW. Expected dynamics of project implementation: 2028. Use permit; end of project
Institutions responsible for the implementation of measures and activities	WINDVISION WINDFARM A DOO BEOGRAD (NOVI BEOGRAD)
Institutions responsible for monitoring implementation and reporting on the realization	WINDVISION WINDFARM A DOO BEOGRAD (NOVI BEOGRAD) Ministry of Mining and Energy
Year of project funding start	n/a
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	14,157,938 (120.75 million EUR)
Planned investments for 2026. (in thousands of RSD)	4,247,381
Planned investments for 2027. (in thousands of RSD)	6,371,072
Planned investments for 2028. (in thousands of RSD)	2,831,588
Impact on EE, climate, and environmental protection	n/a

Activity EL4.2	Construction of RES owned by private investors
Name of the project	WPP Alibunar 2
Short description of the investment	Construction of the Alibunar 2 wind farm, with an installed capacity of 71.4 MW. Expected dynamics of project implementation: 2028. Use permit; end of project
Institutions responsible for the implementation of measures and activities	WINDVISION WINDFARM A DOO BEOGRAD (NOVI BEOGRAD)
Institutions responsible for monitoring implementation and reporting on the realization	WINDVISION WINDFARM A DOO BEOGRAD (NOVI BEOGRAD) Ministry of Mining and Energy
Year of project funding start	n/a
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	10,464,563 (89.25 million EUR)
Planned investments for 2026. (in thousands of RSD)	3,139,369
Planned investments for 2027. (in thousands of RSD)	4,709,053

Planned investments for 2028. (in thousands of RSD)	2,092,913
Impact on EE, climate, and environmental protection	n/a

Activity EL4.2	Construction of RES owned by private investors
Name of the project	WPP Bela Anta 2
Short description of the investment	Construction of the Bela Anta 2 wind farm, with an installed capacity of 80 MW. Expected dynamics of project implementation: 2026. Construction 2027. Commissioning; trial operation 2028. Use permit; end of project
Institutions responsible for the implementation of measures and activities	Matrix Power LLC Belgrade-New Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	Matrix Power LLC Belgrade-New Belgrade Ministry of Mining and Energy
Year of project funding start	n/a
Year of completion of project funding	2028.
Total project value (in thousands of RSD)	15,828,750 (135 million EUR)
Planned investments for 2026. (in thousands of RSD)	1,758,750
Planned investments for 2027. (in thousands of RSD)	12,897,500
Planned investments for 2028. (in thousands of RSD)	469,000
Impact on EE, climate, and environmental protection	n/a

Activity EL4.2	Construction of RES owned by private investors
Name of the project	SPP Solarina
Short description of the investment	Construction of the Solarina solar power plant, with an installed capacity of 150 MW. Expected dynamics of project implementation: 2026. The beginning of the project 2027. Use permit; end of project
Institutions responsible for the implementation of measures and activities	SOLARINA DOO BEOGRAD-VRAČAR
Institutions responsible for monitoring implementation and reporting on the realization	SOLARINA DOO BEOGRAD-VRAČAR Ministry of Mining and Energy
Year of project funding start	n/a
Year of completion of project funding	2027.
Total project value (in thousands of RSD)	15,383,200 (131.2 million EUR)
Planned investments for 2026. (in thousands of RSD)	9,229,920
Planned investments for 2027. (in thousands of RSD)	6,153,280
Planned investments for 2028. (in thousands of RSD)	0
Impact on EE, climate, and environmental protection	n/a

Table 5.1.4-3: Activities for the implementation of EL4 measure – Activity EL4.3

Activity EL4.3	Construction of pumped storage hydropower plants
Name of the project	Construction of the PSHPP Bistrica with a capacity of approximately 660 MW
Short description of the investment	The reversible hydroelectric power plant PSHPP Bistrica is a multipurpose energy plant with the possibility of pump-turbine operation of the unit. With their energy characteristics and location in the Uvac basin, the PSHPP Bistrica and the Klak reservoir bring a new quality to the way all hydroelectric power plants on the Uvac and Lim rivers are used. The installation of 4 units is planned, with a total installed capacity of 661 MW in turbine mode. The expected annual production is 1600 GWh. Expected dynamics of project implementation: 2026. Building permit 2027. Construction 2028. Construction
Institutions responsible for the implementation of measures and activities	Joint Stock Company "Elektroprivreda Srbije"
Institutions responsible for monitoring implementation and reporting on the realization	Joint Stock Company "Elektroprivreda Srbije" Ministry of Mining and Energy
Year of project funding start	2027.
Year of completion of project funding	2032.
Total project value (in thousands of RSD)	112,853,125 (962.5 million EUR) (Founding investments from 2021 to date are around 6 million EUR)
Planned investments for 2026. (in thousands of RSD)	20,000,000 (budget RS) 2,269,000 (own funds)
Planned investments for 2027. (in thousands of RSD)	4,157,000 (own funds) 15,242,500 (loan)
Planned investments for 2028. (in thousands of RSD)	2,600,000 (own funds) 23,450,000 (loan)

Table 5.1.4-4: Activities for the implementation of measure EL4 – Activity EL4.4

Activity EL4.4	Construction of gas-fired power plants
Name of the project	Gas-fired power plant in Niš
Short description of the investment	The project includes the construction of a gas-fired power plant in Niš with a capacity of 350 MW of electricity and 150 MW of heat. The role of this power plant in the Niš district is to provide a flexible baseload energy source and assist in integrating renewable energy sources, as it can provide ancillary services to the electricity transmission system. The project is in preparation.
Institutions responsible for the implementation of measures and activities	Joint Stock Company "Elektroprivreda Srbije" PE Srbijagas Ministry of Mining and Energy
Institutions responsible for monitoring implementation and reporting on the realization	Joint Stock Company "Elektroprivreda Srbije" PE Srbijagas Ministry of Mining and Energy

Activity EL4.4	Construction of gas-fired power plants
Name of the project	Gas-fired power plant in Novi Sad
Short description of the investment	The project includes the construction of a gas-fired power plant in Novi Sad with an installed capacity of 270 MW of electricity and 100 MW of thermal energy. The designed efficiency of the plant is 50%, and the construction of a 400 kV connection switchyard (CSS) is planned. There is a possibility of using the existing gas pipeline, water purification plant, expanding the supply of thermal energy, and the possibility of connecting to a power line. The project is in preparation.

Institutions responsible for the implementation of measures and activities	Joint Stock Company "Elektroprivreda Srbije" Ministry of Mining and Energy
Institutions responsible for monitoring implementation and reporting on the realization	Joint Stock Company "Elektroprivreda Srbije" Ministry of Mining and Energy

Table 5.1.5-1: Activities for the implementation of measure EL5 – Activity EL5.1

Activity EL5.1	Investment projects focused on the integration of renewable energy sources into the transmission system
Name of the project	Reconstruction of sections OHL No. 151/2 and 151/3
Name of the investment	OHL 110 kV No. 151/2, reconstruction of sections from TS Pančevo 2 to pole No. 99 OHL 110 kV No. 151/3, reconstruction from TS Alibunar to pole No. 154 CSS 110 kV Košava, equipping the OHL bay
Short description of the investment	Reconstruction of the OHL 151/2 into a dual system and an increase in the cross-section of a section of the transmission line. It is also planned to equip a second system on a section of the transmission line with a length of about 3.1 km. Reconstruction of the OHL 151/3 into a dual system and an increase in the cross-section of a section of the transmission line. It is also planned to equip a second system on a section of the transmission line with a length of about 7.8 km. Equipping the existing reserve transmission line bay due to equipping the second 110 kV transmission line system No. 151/6 TS Alibunar – CSS Košava, and connecting the transmission line to the existing 110 kV CSS Košava. Expected dynamics of project implementation: 2026. Construction 2027. Commissioning; trial operation 2028. Use permit; end of project
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2026.
Current estimated value of the investment (in thousands of RSD)	2,040,150 (17.4 million EUR)
Planned investments for 2026. (in thousands of RSD)	1,252,000 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	0
Planned investments for 2028. (in thousands of RSD)	0

Activity EL5.1	Investment projects focused on the integration of renewable energy sources into the transmission system
Name of the project	OHL 110 kV SS Đerdap 2 – TS Mosna
Name of the investment	OHL 110 kV Đerdap 2 – TS Mosna SS 110 kV Đerdap 2, equipping 110 kV overhead line and connection bay
Short description of the investment	According to the projected increase in electricity consumption based on the prospective economic development scenario, a need is expected to arise for new 110/x kV substations, and consequently, for the reconstruction of existing and construction of new overhead lines. The OHL 110 kV Đerdap 2 – Mosna is among the new

	transmission lines foreseen in the Transmission System Development Plan of Serbia. Expected dynamics of project implementation: 2026. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
The year of the start of the investment	2015.
Year of completion of project funding	2026.
Current estimated value of the investment (in thousands of RSD)	785,575 (6.7 million EUR)
Planned investments for 2026. (in thousands of RSD)	605,127 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	0
Planned investments for 2028. (in thousands of RSD)	0

Activity EL5.1	Investment projects focused on the integration of renewable energy sources into the transmission system
Name of the project	Reconstruction of TS Zrenjanin 2
Name of the investment	Reconstruction of TS 220/110 kV Zrenjanin 2
Short description of the investment	This project is conceived as a joint solution addressing both the poor condition of the 220 kV facilities at TS Zrenjanin 2 and the need for the integration of energy generated from RES, which is expected to be connected in the southern and central Banat region. A reconstruction of the 220/110 kV Zrenjanin 2 substation is planned, except for one transformer, the replacement of which is included in the scope of the project titled “Increasing the installed capacity at TS 220/110 kV Zrenjanin 2”. Expected dynamics of project implementation: 2026. Location conditions 2027. Building permit 2028. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2029.
Current estimated value of the investment (in thousands of RSD)	2,872,625 (24.5 million EUR)
Planned investments for 2026. (in thousands of RSD)	103,438 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	158,983 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	1,293,732 (own funds of EMS JSC)

Table 5.1.5-2: Activities for the implementation of measure EL5 – Activity EL5.2

Activity EL5.2	Investment projects focused on the integration of renewable energy sources into the distribution system
Name of the investment	Digitalization of the process of obtaining a connection approval
Description	The objective of the Project is to establish a system for the electronic submission of requests for obtaining approval for connection to the distribution power system. In addition to introducing the possibility of submitting requests in this way, the digitalization of the request submission process will also be enabled. The processes being digitized are: - the procedure for connecting a facility to the electricity distribution system within the framework of the unification procedure, - the procedure for connecting a facility to the electricity distribution system through the administrative procedure, - the procedure for connecting electricity generation facilities - access to the electricity distribution system and related sub-processes. Expected dynamics of project implementation: 2026. Construction 2027. Construction 2028. Use permit; end of project
Institutions responsible for the implementation of measures and activities	Elektrodistribucija Srbije Ltd. Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	Elektrodistribucija Srbije Ltd. Belgrade Ministry of Mining and Energy Ministry of Economy
Year of completion of project funding	2027.
Required funds and source of financing (in thousands of RSD)	1,172,500 (10 million EUR)
Planned investments for 2026. (in thousands of RSD)	422,100 (own funds)
Planned investments for 2027. (in thousands of RSD)	750,400 (own funds)
Planned investments for 2028. (in thousands of RSD)	0
Implementation indicator	Data not available.
Impact of the activity on the achievement of the objective	The process of submitting requests will be digitalized.
Impact on EE, climate, and environmental protection	Data not available.

Table 5.1.6-1: Activities for the implementation of measure EL6 – Activity EL6.1

Activity EL6.1	Increasing the reliability of the transmission system and the security of the consumer supply
Name of the project	SS 220 kV CHP Pančevo
Name of the investment	OHL layout at the SS 220 kV CHP Pančevo SS 220 kV CHP Pančevo, equipping of 4 bays
Short description of the investment	The first phase involves the connection of CHP Pančevo to the transmission system and will be financed by the client as part of the connection process of CHP Pančevo to the transmission network. Phase two encompasses the construction of cable connections from the 220 kV CHP Pančevo switching station to the TS HIP and TS NIS. Expected dynamics of project implementation: 2026. The beginning of the project

Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2029.
Current estimated value of the investment (in thousands of RSD)	410,375 (3.5 million EUR)
Planned investments for 2026. (in thousands of RSD)	497 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	57,471 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	171,889 (own funds of EMS JSC)

Activity EL6.1	Increasing the reliability of the transmission system and the security of the consumer supply
Name of the project	OHL 220 kV No. 213/1 TS Bajina Bašta – TS Obrenovac and No. 204 TS Bajina Bašta -TS Belgrade 3 (reconnection)
Name of the investment	OHL 220 kV No. 213/1 TS Bajina Bašta – TS Obrenovac and No. 204 TS Bajina Bašta -TS Belgrade 3 (reconnection)
Short description of the investment	Within this project, the construction of a new segment of the 220 kV OHL is planned, which would connect the routes of the existing 220 kV OHL No. 204 (TS Belgrade 3 – TS Bajina Bašta) and No. 213/1 (TS Obrenovac – TS Valjevo 3). This project would establish a second direct connection between TS Belgrade 3 and TS Obrenovac, thereby improving the reliability of the transmission system operation in this region. Expected dynamics of project implementation: 2026. The beginning of the project 2027. Preliminary design 2028. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2028.
Current estimated value of the investment (in thousands of RSD)	70,350 (0.6 million EUR)
Planned investments for 2026. (in thousands of RSD)	1,173 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	9,936 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	58,546 (own funds of EMS JSC)

Activity EL6.1	Increasing the reliability of the transmission system and the security of the consumer supply
Name of the project	Increasing the transmission capacity of the Bor region
Name of the investment	TS 400/110 kV Bor 6 OHL 400 kV, leading into TS Bor 6
Short description of the investment	This project envisages the construction of a new TS 400/110 kV Bor 6, as well as the construction of a 400 kV transmission line. It is planned to split the OHL 400 kV SS TS Đerdap 1 - TS Drmno,

	enabling its integration into the transmission system via TS Bor 6 and TS Bor 2. This would form the OHL 400 kV SS Đerdap 1 - TS Bor 6 and the OHL 400 kV SS Bor 2 - SS Drmno. The leading of the OHL 400 kV SS Đerdap 1 - TS Bor 2 and the OHL 400 kV TS Bor 2 - Niš 2 into TS Bor 6 is also planned. The project has been declared a project of special importance by the Decision of the Government of the Republic of Serbia, due to the planned industrial development of the Bor region resulting from the announced connection of new mining capacities. Expected dynamics of project implementation: 2026. Construction 2027. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2027.
Current estimated value of the investment (in thousands of RSD)	9,450,350 (80.6 million EUR)
Planned investments for 2026. (in thousands of RSD)	0
Planned investments for 2027. (in thousands of RSD)	9,450,350 (system user funds)
Planned investments for 2028. (in thousands of RSD)	0

Activity EL6.1	Increasing the reliability of the transmission system and the security of the consumer supply
Name of the project	Strengthening the transmission network in the area of Inđija and Stara Pazova
Name of the investment	OHL 110 kV No. 104 TS Inđija 2 – TS Belgrade 5, equipping with a special conductor TS Novi Sad 3, equipping the bay for the leading of OHL No. 217 ML110 kV Novi Sad 3 – TS Inđija 2 into TS
Short description of the investment	Increasing capacity for the expansion of the existing consumer industry in the Inđija and Stara Pazova region and connecting new consumers. The project involves the adaptation of transmission line No. 104 with the installation of special conductors to increase the transmission capacity of the transmission line. The equipment of the OHL bay at TS Novi Sad 3 includes works on section A and section B. Works on section C include the construction of a new route of a single-system line to the TS Inđija 2. Expected dynamics of project implementation: 2026. Construction 2027. Construction 2028. Commissioning; trial operation
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of the start of the investment	2021.
Year of completion of project funding	2028.
Current estimated value of the investment (in thousands of RSD)	1,266,300 (10.8 million EUR)

Planned investments for 2026. (in thousands of RSD)	250,943 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	0
Planned investments for 2028. (in thousands of RSD)	0

Activity EL6.1	Increasing the reliability of the transmission system and the security of the consumer supply
Name of the project	Connection line for TS 110/20 kV Perlez
Name of the investment	OHL 110 kV TS Perlez - TS Zrenjanin 2 TS 220/110 kV Zrenjanin 2, equipping 110 kV bay A
Short description of the investment	Construction of 20 km of power lines along the route of power line No. 1148 operating at 35 kV, with the installation of 240/40 mm^2 conductors and OPGW over a length of 30.4 km. Construction and equipping of a new OHL in the 110 kV plant for the connection of the Perlez transmission line. Expected dynamics of project implementation: 2026. Building permit 2027. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2027.
Current estimated value of the investment (in thousands of RSD)	433,825 (3.7 million EUR)
Planned investments for 2026. (in thousands of RSD)	119,784 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	238,144 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	0

Activity EL6.1	Increasing the reliability of the transmission system and the security of the consumer supply
Name of the project	Resolving the radial power supply of the TS Kopaonik
Name of the investment	OHL 110 kV No. 161 TS Kraljevo 3 – TS Raška, leading into TS Kopaonik
Short description of the investment	To resolve the radial power supply problem of the TS Kopaonik, the construction of a single-system transmission line from the TS Kopaonik to transmission line No. 161 north of Raška is planned. Expected dynamics of project implementation: 2026. Location conditions 2027. Building permit 2028. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2028.
Current estimated value of the investment (in thousands of RSD)	539,350 (4.6 million EUR)

Planned investments for 2026. (in thousands of RSD)	216,771 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	296,040 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	0

Activity EL6.1	Increasing the reliability of the transmission system and the security of the consumer supply
Name of the project	Connecting lines for TS 110/10 kV Kragujevac 22
Name of the investment	CB 110 kV TS Kragujevac 22 - TS Kragujevac 3CB 110 kV TS Kragujevac 4 - TS Kragujevac 22
Short description of the investment	Construction of a cable line from TS Kragujevac 22 to TS Kragujevac 3. In the process of harmonizing the plans of the OPS and ODS, the need for a 110/10 kV substation TS Kragujevac 22 (Center) to the transmission system was indicated. The construction of the cable line from TS Kragujevac 4 to TS Kragujevac 22 is being carried out due to the connection of the new TS Kragujevac 22. Expected dynamics of project implementation: 2026. The beginning of the project 2027. Location conditions 2028. Preliminary design
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2028.
Current estimated value of the investment (in thousands of RSD)	1,172,500 (10 million EUR)
Planned investments for 2026. (in thousands of RSD)	599,276 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	557,875 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	0

Activity EL6.1	Increasing the reliability of the transmission system and the security of the consumer supply
Name of the project	OHL 110 kV TS Jagodina 4 -TS Stenjevac
Name of the investment	OHL 110 kV TS Jagodina 4 -TS Stenjevac 400/110 kV TS Jagodina 4, equipping the bay for the leading the OHL 110 kV into TS Stenjevac
Short description of the investment	The overhead line would be implemented in two sections, with the first section (section A) connecting TS Jagodina 4 to a new industrial complex in Ćuprija, located along the Belgrade–Niš highway, and the second section (section B) extending from the said industrial complex to TS Stenjevac, thereby providing dual supply for TS Stenjevac, TS Ćuprija, and the Resavica mine, and ensuring reliable electricity supply for the consumption area in the region of interest. Equipping two overhead line bays at TS Jagodina due to the planned construction of a new double-circuit 110 kV overhead line (2×Al/Fe 490/65 mm²) from the TS 400/110 kV Jagodina 4 to the new 110/X kV substation of the industrial complex in the Ćuprija region, with a length of approximately 15 km. Expected dynamics of project implementation: 2026. Building permit

	2027. Construction 2028. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2028.
Current estimated value of the investment (in thousands of RSD)	1,782,200 (15.2 million EUR)
Planned investments for 2026. (in thousands of RSD)	48,451 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	1,601,483 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	0

Table 5.1.7-1: Activities for the implementation of measure EL7 – Activity EL7.1

Activity EL7.1	Investment projects for modernization in electricity production
Name of the investment	Revitalization of the units at the PSHPP Bajina Bašta
Short description of the investment	The subject of the project is the revitalization of mechanical and electrical equipment, control equipment, generator voltage equipment, and electrical protection systems, as well as the replacement of the excitation system and the revision of the supply and discharge tunnel. After its revitalization, the PSHPP Bajina Bašta will continue to represent a stable and reliable source of electricity in the coming decades.
Institutions responsible for the implementation of measures and activities	Joint Stock Company "Elektroprivreda Srbije"
Institutions responsible for monitoring implementation and reporting on the realization	Joint Stock Company "Elektroprivreda Srbije" Ministry of Mining and Energy
Year of completion of project funding	2026.
Total project value (in thousands of RSD)	4,711,975 (40.2 million EUR)
Planned investments for 2026. (in thousands of RSD)	0
Planned investments for 2027. (in thousands of RSD)	0
Planned investments for 2028. (in thousands of RSD)	0

Table 5.1.7-2: Activities for the implementation of measure EL7 – Activity EL7.2

Activity EL7.2	Investment projects for the modernization of the transmission system
Name of the project	Installation of a variable shunt reactor at EMS facilities
Name of the investment	400/110 kV TS Vranje 4, installation of variable shunt reactor
Short description of the investment	The project envisages the installation of a new reactive power compensator in the 400/110 kV TS Vranje 4. Over the past decade, the issue of excessively high voltage levels has become particularly acute within the segment of the network operating at the 400 kV voltage level, notably in the southern region of Serbia, specifically at TS Vranje 4 and TS Leskovac 2. Expected dynamics of project implementation:

	2026. Commissioning; trial operation 2027. Use permit; end of project
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2026.
Current estimated value of the investment (in thousands of RSD)	1,641,500 (14 million EUR)
Planned investments for 2026. (in thousands of RSD)	1,584,670 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	0
Planned investments for 2028. (in thousands of RSD)	0

Activity EL7.2	Investment projects for the modernization of the transmission system
Name of the project	Reconstruction of SS 110 kV Pančevo 1
Name of the investment	SS Pančevo 1, reconstruction into a digital facility
Short description of the investment	Reconstruction of the entire switching station with equipment replacement, including the digitalization of the SS as part of the project. Expected dynamics of project implementation: 2026. The beginning of the project 2027. Preliminary design 2028. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Ministry of Mining and Energy
Year of completion of project funding	2028.
Current estimated value of the investment (in thousands of RSD)	1,430,450 (12.2 million EUR)
Planned investments for 2026. (in thousands of RSD)	590,721 (loan)
Planned investments for 2027. (in thousands of RSD)	650,340 (loan)
Planned investments for 2028. (in thousands of RSD)	85,257 (loan)

Activity EL7.2	Investment projects for the modernization of the transmission system
Name of the project	Connection lines for TS Belgrade 59 (Bio4 campus)
Name of the investment	ML 2x110 kV TS Belgrade 17 – TS Belgrade 59 OHL 110 kV TS Belgrade 13 – TS Belgrade 59 and OHL 110 kV TS Belgrade 11 – TS Belgrade 59
Short description of the investment	The project encompasses both cable and overhead integration of the OHL 110 kV No. 136A/2 (TS Belgrade 11 – TS Belgrade 17) and No. 136B/2 (TS Belgrade 13 – TS Belgrade 17), as well as cabling of a section of the existing OHL 110 kV No. 136A/2 (TS Belgrade 11 – TS Belgrade 17) and No. 136B/2 (TS Belgrade 13 – TS Belgrade 17) from pole No. 11 to TS Belgrade 59 (Bio4 Campus). Expected dynamics of project implementation:

	2026. Building permit 2027. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Ministry of Mining and Energy
Year of completion of project funding	2027.
Current estimated value of the investment (in thousands of RSD)	551,075 (4.7 million EUR)
Planned investments for 2026. (in thousands of RSD)	18,564 (budget RS) 135,136 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	450,000 (budget RS)
Planned investments for 2028. (in thousands of RSD)	0

Activity EL7.2	Investment projects for the modernization of the transmission system
Name of the project	Connection line for 110/10 kV TS Belgrade 58 (National Stadium)
Name of the investment	CB 2×110 kV TS Belgrade 44 - TS Belgrade 58 (National Stadium)
Short description of the investment	The project is important due to the implementation of the international specialized exhibition EXPO BELGRADE 2027. The project has been declared a project of importance for the Republic of Serbia and includes the construction of two cable lines from TS Belgrade 44 - TS Belgrade 58 (National Stadium) with a length of approximately 4.1 km.
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Ministry of Mining and Energy
Year of completion of project funding	2026.
Current estimated value of the investment (in thousands of RSD)	973,175 (8.3 million EUR)
Planned investments for 2026. (in thousands of RSD)	450,000 (budget RS)
Planned investments for 2027. (in thousands of RSD)	0
Planned investments for 2028. (in thousands of RSD)	0

Activity EL7.2	Investment projects for the modernization of the transmission system
Name of the project	Reconstruction of 110 kV overhead line No. 134/6 TS Zlatibor 2 – TS Bistrica from TS Zlatibor 2 to pole 140
Name of the investment	Reconstruction of 110 kV overhead line No. 134/6 TS Zlatibor 2 – TS Bistrica from TS Zlatibor 2 to pole 140
Short description of the investment	A complete reconstruction of the 110 kV transmission line No. 134/6 from TS Zlatibor 2 to pole 140 is planned, with an increase in the cross-section of the conductors. The reconstruction is due to the age of the transmission line. Expected dynamics of project implementation: 2026. The beginning of the project 2027. Location conditions

	2028. Building permit
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2029.
Current estimated value of the investment (in thousands of RSD)	351,750 (3 million EUR)
Planned investments for 2026. (in thousands of RSD)	10,084 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	41,624 (own funds of EMS JSC)
Planned investments for 2028. (in thousands of RSD)	150,080 (own funds of EMS JSC)

Activity EL7.2	Investment projects for the modernization of the transmission system
Name of the project	Installation of a variable shunt reactor at EMS JSC facilities
Name of the investment	Installation of a variable shunt reactor at the TS Belgrade 20 Installation of a variable shunt reactor at the TS Kraljevo 3 Installation of a variable shunt reactor at the TS Novi Sad 3
Short description of the investment	Transmission system operators in the region initiated the development of a study in 2018 aimed at proposing a solution to the subject issue at the regional level. The study proposed that, regarding Serbia's transmission system, a 100 MVAr variable shunt reactor be installed at TS Vranje 4. After a more detailed examination of the problem, a decision was made to increase the power to 200 MVAr.As it was concluded that this reactor would not be able to solve the problems that would arise in the Serbian transmission system, EMS JSC launched a new study in 2023, focused exclusively on the conditions in the Serbian system. During 2024, the first results of this study were obtained, recommending the installation of variable shunt reactors with a power of 250 MVAr in the following EMS JSC plants: TS Belgrade 20, TS Kraljevo 3, and TS Novi Sad 3. Expected dynamics of project implementation: 2026. The beginning of the project 2027. Preliminary design 2028. Construction
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2029.
Current estimated value of the investment (in thousands of RSD)	4,947,950[21] (42.2 million EUR)
Planned investments for 2026. (in thousands of RSD)	8,943 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	11,924 (own funds of EMS JSC)

[21] Given that EMS JSC has no prior experience with the installation of such equipment on which accurate budgeting could be based, the preliminary project value has been estimated based on the conceptual design from a similar project involving the installation of a shunt reactor at TS Vranje 4, and amounts to 1,647,820,000 RSD.

Planned investments for 2028. (in thousands of RSD)	2,444,096 (own funds of EMS JSC)

Activity EL7.2	Investment projects for the modernization of the transmission system
Name of the project	OHL 2x400 kV TS Jagodina 4 – TS Požarevac 3
Name of the investment	400/110 kV TS Požarevac 3 OHL 2x400 kV TS Jagodina 4 – TS Požarevac 3 TS Jagodina 4, extension with the equipment of two 400 kV overhead lines OHL 400 kV No. 401/2 SS Drmno - HPP Đerdap 1 and OHL 400 kV No. 401/4 SS Drmno – TS Smederevo 3, leading into TS Požarevac 3
Short description of the investment	This project would connect production in the area of southern Banat and the Braničevo District with consumer regions located in central Serbia, which would lead to both more efficient distribution of energy from power plants built in the aforementioned areas, as well as a more reliable supply of consumption. In addition, the construction of this overhead line would enhance energy transit across the territory of the Republic of Serbia, as it would establish a link between the international projects Central Balkan Corridor (of which it is a part) and the Northern Corridor. The construction of the new TS Požarevac is planned to enable further reinforcement of the transmission system in the Kostolac region and to establish its interconnection with other parts of the transmission network. Expected dynamics of project implementation: 2026. Location conditions 2027. Preliminary design 2028. Building permit
Institutions responsible for the implementation of measures and activities	EMS JSC Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	EMS JSC Belgrade Republic Commission for Energy Networks Ministry of Mining and Energy
Year of completion of project funding	2030.
Current estimated value of the investment (in thousands of RSD)	6,495,650 (55.4 million EUR)
Planned investments for 2026. (in thousands of RSD)	19,873 (own funds of EMS JSC)
Planned investments for 2027. (in thousands of RSD)	0
Planned investments for 2028. (in thousands of RSD)	0

Table 5.1.7-3: Activities for the implementation of measure EL7 – Activity EL7.3

Activity EL7.3	Investment projects for the modernization of the distribution system
Name of the project	Integrated system for remote monitoring, diagnostics and management of low-voltage distribution networks
Description	The main benefits that the system can provide to the Electric Distribution of Serbia are - Monitoring of power quality parameters at the level of transformer substations and low-voltage feeders according to the EN50160 standard (a standard for devices used to measure power quality parameters) is carried out in compliance with regulatory requirements set by the Energy Agency as well as the Distribution System Operating Rules from 2017. This enables the reduction of power supply interruption duration for low-voltage consumers, faster fault location, quicker determination of fault types, detection of asymmetry and phase outages, and the collection of all necessary

	data for reporting to the Energy Agency on consumer power quality parameters, among other benefits; - Monitoring of physical parameters of power transformers in 20/10/0.4 kV transformer substations — according to applicable IEC standards — is necessary on selectively chosen transformers (based on installed capacity, importance of consumers supplied, consumption density, maximum load, etc.) for safety reasons (including prevention of potential overheating, assessment of transformer health indices, preventive maintenance of the low-voltage distribution network, and avoidance of catastrophic failures such as explosions, fires, and uncontrolled outages); - Determining accurate calculations of delivered or non-delivered aggregated energy from medium to low voltage; - Allocation of losses within the "third balance group" of the electricity distribution system (aggregation/estimation of total losses in 10kV areas - one 10kV line has a larger number of 10/04 kV secondary transformer stations); - Integration with existing smart meters (for control metering purposes) in private transformer stations; - Identification of voltage profile problems on the medium-voltage and low-voltage distribution network - especially important in rural areas (mainly in Serbia) due to the frequent occurrence of poor voltage at end consumers; - Detection of asymmetry at the level of the low-voltage distribution network (low-voltage outlets, transformers); - Assessment of technical losses caused by asymmetry to take adequate measures to reduce asymmetry; - Monitoring reactive power at low voltage feeders and transformer bays and creating prerequisites for dynamic compensation of reactive power at low voltage to reduce total technical losses, i.e. assessment of technical losses caused by reactive power at low voltage; - Aggregated allocation and assessment of non-technical losses at the level of distribution transformer stations and low-voltage outlets, as well as along the depth of the low-voltage distribution network; - Possibility of estimating technical losses at the level of the low-voltage distribution network and higher voltage levels. Expected dynamics of project implementation: 2026. The beginning of the project 2027. Construction 2028. Use permit; end of project
Institutions responsible for the implementation of measures and activities	Elektrodistribucija Srbije Ltd. Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	Elektrodistribucija Srbije Ltd. Belgrade Ministry of Mining and Energy Ministry of Economy
Year of project funding start	n/a
Year of completion of project funding	2028.
Required funds and source of financing (in thousands of RSD)	1,172,500 (10 million EUR)
Planned investments for 2026. (in thousands of RSD)	410,375 (own funds)
Planned investments for 2027. (in thousands of RSD)	351,750 (own funds)
Planned investments for 2028. (in thousands of RSD)	410,375 (own funds)
Required funds and source of financing	It will be possible to collect, store, analyze, and exchange data with other dispatch centers.

Activity EL7.3	Investment projects for the modernization of the distribution system
Name of the project	Replacement of measuring transformers at voltage levels of 35 kV and 110 kV
Description	The project includes the replacement of current and voltage measuring transformers at medium and high voltage with new ones with the appropriate accuracy class. Expected dynamics of project implementation: 2026. The beginning of the project 2027. Construction 2028. Commissioning; trial operation
Institutions responsible for the implementation of measures and activities	Elektrodistribucija Srbije Ltd. Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	Elektrodistribucija Srbije Ltd. Belgrade Ministry of Mining and Energy Ministry of Economy
Year of project funding start	2026.
Year of completion of project funding	2028.
Required funds and source of financing (in thousands of RSD)	135,307 (1.154 million EUR) EIB loan
Planned investments for 2026. (in thousands of RSD)	18,056.5 (loan)
Planned investments for 2027. (in thousands of RSD)	58,625 (loan)
Planned investments for 2028. (in thousands of RSD)	58,625 (loan)
Implementation indicator	Number of replaced transformers.
Impact of the activity on the achievement of the objective	It would allow for a reduction in outages and improved measurement accuracy at points of delivery.
Impact on EE, climate, and environmental protection	A technology with significantly improved characteristics is applied, whose insulating oils do not contain harmful polychlorinated biphenyls (PCBs). The risk of fire, noise, vibrations, and heat generation is reduced. Lower levels of noise and vibrations positively affect working conditions and the work environment for people in the facilities, and even impact people's health. By implementing the proposed projects for replacing old transformers, losses will be reduced.

Activity EL7.3	Investment projects for the modernization of the distribution system
Name of the project	Software solution for planning, analysis and advanced management of the distribution network and software tools for loss calculation
Description	The software solution for calculating losses will enable monitoring of received, read, and calculated energy and, based on this, calculate total losses on the ED network and integrate with legacy EDS systems. The system will make an assessment of the future state based on history. The system will also enable EDS to: - calculate losses for the accounting period (1 month), - achieve greater accuracy of loss planning and loss reduction measures, and thus detection of micro-location of losses, - micro-locating loss centers that will allow for more precise targeting of investments to reduce losses. Automating the process will save time compared to manually calculating losses in Excel files. Expected dynamics of project implementation: 2026. The beginning of the project 2027. Construction 2028. Use permit; end of project

Institutions responsible for the implementation of measures and activities	Elektrodistribucija Srbije Ltd. Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	Elektrodistribucija Srbije Ltd. Belgrade Ministry of Mining and Energy Ministry of Economy
Year of project funding start	n/a
Year of completion of project funding	2028.
Required funds and source of financing	1,172,500 (10 million EUR)
Planned investments for 2026. (in thousands of RSD)	257,950 (own funds)
Planned investments for 2027. (in thousands of RSD)	117,250 (own funds)
Planned investments for 2028. (in thousands of RSD)	797,300 (own funds)
Impact of the activity on the achievement of the objective	Process automation will lead to time savings, improved accuracy in loss planning, and precise identification of loss centers.

Activity EL7.3	Investment projects for the modernization of the distribution system
Name of the project	Replacement of 6 old 110/X kV power transformers with new units featuring reduced losses
Description	Electric power is transferred from the transmission network to the medium-voltage distribution network via 110/X kV substations, through approximately 350 power transformers of 110/X kV. The oldest of these transformers was installed in the mid-fifties of the last century, and its estimated service life of 40 years has long since expired. After analyzing all available data and considering the commissioning year and health index of each 110/X kV power transformer, it is planned to replace a total of six 110/X kV power transformers with new units featuring reduced losses. Expected dynamics of project implementation: 2026. The beginning of the project 2027. Construction 2028. Commissioning; trial operation
Institutions responsible for the implementation of measures and activities	Elektrodistribucija Srbije Ltd. Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	Elektrodistribucija Srbije Ltd. Belgrade Ministry of Mining and Energy Ministry of Economy
Year of project funding start	2026.
Year of completion of project funding	2028.
Required funds and source of financing (in thousands of RSD)	1,167,810 (9.96 million EUR) (EIB loan)
Planned investments for 2026. (in thousands of RSD)	117,250 (loan)
Planned investments for 2027. (in thousands of RSD)	703,500 (loan)
Planned investments for 2028. (in thousands of RSD)	347,060 (loan)
Implementation indicator	Number of replaced power transformers
Impact of the activity on the achievement of the objective	The project should ensure better reliability of the distribution network, reduce the number of outages and the duration of outages for end users, reduce losses in the distribution network, and reduce the total costs of TS maintenance.
Impact on EE, climate, and environmental protection	A technology with significantly improved characteristics is applied, whose insulating oils do not contain harmful polychlorinated biphenyls (PCBs). The risk of fire, noise, vibrations, and heat

	generation is reduced. Lower levels of noise and vibrations positively affect working conditions and the work environment for people in the facilities, and even impact people's health. By implementing the proposed projects for replacing old transformers, losses will be reduced.

Activity EL7.3	Investment projects for the modernization of the distribution system
Name of the project	Replacement of 39 outdated 35/X kV power transformers with new units featuring reduced losses
Description	In the distribution network owned by EDS, approximately 590 substations of 35/X kV/kV voltage level have been constructed, containing slightly over 1,100 transformers with transmission ratios of 35/X kV/kV. Considering the service life of 35/X kV/kV power transformers to be 50 years, more than one-third of the total number of transformers have exceeded their lifespan and need to be replaced. The replacement of a portion of these transformers is planned through a complete reconstruction of the 35/X kV/kV substations. The remaining number of aging power transformers needs to be replaced with new units of the same or higher capacity, featuring reduced losses. Expected dynamics of project implementation: 2026. The beginning of the project 2027. Construction 2028. Commissioning; trial operation
Institutions responsible for the implementation of measures and activities	Elektrodistribucija Srbije Ltd. Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	Elektrodistribucija Srbije Ltd. Belgrade Ministry of Mining and Energy Ministry of Economy
Year of project funding start	2026.
Year of completion of project funding	2028.
Required funds and source of financing (in thousands of RSD)	777,368 (6.63 million EUR) (EIB loan)
Planned investments for 2026. (in thousands of RSD)	73,868 (loan)
Planned investments for 2027. (in thousands of RSD)	351,750 (loan)
Planned investments for 2028. (in thousands of RSD)	351,750 (loan)
Implementation indicator	Number of replaced power transformers
Impact of the activity on the achievement of the objective	The project should ensure better reliability of the distribution network, reduce the number of outages and the duration of outages for end users, reduce losses in the distribution network, and reduce the total costs of TS maintenance.
Impact on EE, climate, and environmental protection	A technology with significantly improved characteristics is applied, whose insulating oils do not contain harmful polychlorinated biphenyls (PCBs). The risk of fire, noise, vibrations, and heat generation is reduced. Lower levels of noise and vibrations positively affect working conditions and the work environment for people in the facilities, and even impact people's health. By implementing the proposed projects for replacing old transformers, losses will be reduced.

Activity EL7.3	Investment projects for the modernization of the distribution system
Name of the project	Replacement of 1,130 outdated 10(20)/0.4 kV power transformers with new energy-efficient, low-loss transformers
Description	The total number of 10(20)/0.4 kV/kV transformers through which energy is transferred from the medium-voltage to the low-voltage network is around 37,800. Based on expert analyses, the number of

	worn-out transformers that need to be replaced with new 10/0.4 kV/kV transformers with reduced losses was estimated. Expected dynamics of project implementation: 2026. The beginning of the project 2027. Construction 2028. Commissioning; trial operation
Institutions responsible for the implementation of measures and activities	Elektrodistribucija Srbije Ltd. Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	Elektrodistribucija Srbije Ltd. Belgrade Ministry of Mining and Energy Ministry of Economy
Year of project funding start	2026.
Year of completion of project funding	2028.
Required funds and source of financing (in thousands of RSD)	2,960,563 (25.25 million EUR) (EIB loan)
Planned investments for 2026. (in thousands of RSD)	263,813 (loan)
Planned investments for 2027. (in thousands of RSD)	1,348,375 (loan)
Planned investments for 2028. (in thousands of RSD)	1,348,375 (loan)
Implementation indicator	Number of replaced power transformers
Impact of the activity on the achievement of the objective	The project should ensure better reliability of the distribution network, reduce the number of outages and the duration of outages for end users, reduce losses in the distribution network, and reduce the total costs of TS maintenance.
Impact on EE, climate, and environmental protection	A technology with significantly improved characteristics is applied, whose insulating oils do not contain harmful polychlorinated biphenyls (PCBs). The risk of fire, noise, vibrations, and heat generation is reduced. Lower levels of noise and vibrations positively affect working conditions and the work environment for people in the facilities, and even impact people's health. By implementing the proposed projects for replacing old transformers, losses will be reduced. Numerical data on loss reduction are not available.

Activity EL7.3	Investment projects for the modernization of the distribution system
Name of the project	Mobile substations 35/10(20) kV
Description	The project should ensure the development of the distribution system to enable the connection of new capacities for the connection of new system users. Expected dynamics of project implementation: 2026. The beginning of the project 2027. Construction 2028. Commissioning; trial operation
Institutions responsible for the implementation of measures and activities	Elektrodistribucija Srbije Ltd. Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	Elektrodistribucija Srbije Ltd. Belgrade Ministry of Mining and Energy Ministry of Economy
Year of project funding start	2026.
Year of completion of project funding	2028.
Required funds and source of financing (in thousands of RSD)	785,575 (6.7 million EUR) (EIB loan)
Planned investments for 2026. (in thousands of RSD)	234,500 (loan)

Planned investments for 2027. (in thousands of RSD)	234,500 (loan)
Planned investments for 2028. (in thousands of RSD)	316,575 (loan)
Implementation indicator	Number of TS purchased
Impact of the activity on the achievement of the objective	The project should ensure the development of the distribution system to provide new capacities for the connection of new system users.
Impact on EE, climate, and environmental protection	A technology with significantly improved characteristics is applied, whose insulating oils do not contain harmful polychlorinated biphenyls (PCBs). The risk of fire, noise, vibrations, and heat generation is reduced. Lower levels of noise and vibrations positively affect working conditions and the work environment for people in the facilities, and even impact people's health. By implementing the proposed projects for replacing old transformers, losses will be reduced.

Activity EL7.3	Investment projects for the modernization of the distribution system
Name of the project	Reconstruction of 26 TS 35/x kV
Description	The reconstruction of TS 35/x kV involves the following activities: • preparation of technical documentation, • carrying out construction and construction-craft works, • performing electrical work, • other works. Works on the installation of electrical equipment, as well as related construction works, to the extent provided for in the technical documentation. Expected dynamics of project implementation: 2026. The beginning of the project 2027. Construction 2028. Commissioning; trial operation
Institutions responsible for the implementation of measures and activities	Elektrodistribucija Srbije Ltd. Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	Elektrodistribucija Srbije Ltd. Belgrade Ministry of Mining and Energy Ministry of Economy
Year of project funding start	2026.
Year of completion of project funding	2028.
Required funds and source of financing (in thousands of RSD)	2,134,000 (18.20 million EUR) EIB loan
Planned investments for 2026. (in thousands of RSD)	609,700 (loan)
Planned investments for 2027. (in thousands of RSD)	1,055,250 (loan)
Planned investments for 2028. (in thousands of RSD)	469,000 (loan)
Implementation indicator	Number of reconstructed TS
Impact of the activity on the achievement of the objective	The project aims to ensure better reliability of the distribution network, reduce the number and duration of outages for end users, decrease losses in the distribution network, and lower the overall maintenance costs of substations.
Impact on EE, climate, and environmental protection	Data not provided.

Activity EL7.3	Investment projects for the modernization of the distribution system
Name of the project	Installation of capacitor banks at medium and low voltage levels (Reactive power compensation in the distribution system of EDS LLC Belgrade)
Description	Efficient reactive power compensation reduces electrical energy losses, relieves the capacities of existing network components, and postpones investments in building new distribution network capacities. It also decreases peak loads, improves voltage conditions in the network, and reduces the amount of reactive power drawn at the transmission/distribution interface. The project is in preparation.
Institutions responsible for the implementation of measures and activities	Elektrodistribucija Srbije Ltd. Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	Elektrodistribucija Srbije Ltd. Belgrade Ministry of Mining and Energy Ministry of Economy

Activity EL7.3	Investment projects for the modernization of the distribution system
Name of the project	Compact concrete TS 10(20)/0.4 kV (with power transformer), supply and installation – 1000 units
Description	The project should ensure the development of the distribution system in order to provide new capacities for the connection of new system users. The project is in preparation.
Institutions responsible for the implementation of measures and activities	Elektrodistribucija Srbije Ltd. Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	Elektrodistribucija Srbije Ltd. Belgrade Ministry of Mining and Energy Ministry of Economy

Activity EL7.3	Investment projects for the modernization of the distribution system
Name of the project	Pole-mounted TS 10(20)/0.4 kV (with power transformer), supply and installation – 1000 units
Description	The project should ensure the development of the distribution system in order to provide new capacities for the connection of new system users. The project is in preparation.
Institutions responsible for the implementation of measures and activities	Elektrodistribucija Srbije Ltd. Belgrade
Institutions responsible for monitoring implementation and reporting on the realization	Elektrodistribucija Srbije Ltd. Belgrade Ministry of Mining and Energy Ministry of Economy

Activity EL7.3	Investment projects for the modernization of the distribution system
Name of the project	Facilities of national importance, according to the conclusions of the Government of the Republic of Serbia
Description	Electrical operations for connecting facilities of national importance to the electricity distribution system, which, according to the Conclusions of the Government of the Republic of Serbia, are being built by EDS with its own funds. Expected dynamics of project implementation: 2026. Construction 2027. Construction 2028. Construction
Institutions responsible for the implementation of measures and activities	Elektrodistribucija Srbije Ltd. Belgrade

Institutions responsible for monitoring implementation and reporting on the realization	Elektrodistribucija Srbije Ltd. Belgrade Ministry of Mining and Energy Ministry of Economy
Year of project funding start	n/a
Year of completion of project funding	2029.
Required funds and source of financing (in thousands of RSD)	3,517,500 (30 million EUR) Own funds, aid funds or lending from commercial banks, etc.
Planned investments for 2026. (in thousands of RSD)	586,250 (own funds)
Planned investments for 2027. (in thousands of RSD)	1,172,500 (own funds)
Planned investments for 2028. (in thousands of RSD)	1,172,500 (own funds)
Impact of the activity on the achievement of the objective	The project should ensure better reliability of the distribution network, reduce the number of outages and the duration of outages for end users, reduce losses in the distribution network, and reduce the total costs of TS maintenance.
Impact on EE, climate, and environmental protection	Data not provided.

Table 5.1.7-4: Activities for the implementation of measure EL7 – Activity EL7.4

Activity EL7.4	Adoption of secondary legislation
Description	To complete and improve the regulatory framework related to the electricity sector, it is necessary to draft the following bylaws: • Regulation on the conditions of delivery and supply of electricity (Official Gazette of RS, no. 84/23, 58/25 and 67/25), • Regulation on energy permits (Official Gazette of RS, no. 15/15, 44/18 - another regulation and 99/24) and • Regulations on licenses for performing energy activities (Official Gazette of RS, no. 87/15, 44/18 - another regulation and 83/21). Additionally, it is necessary to draft a bylaw that will more precisely define the conditions and methods for promoting a project as strategic, the obligations and activities of the competent institutions regarding the monitoring of the implementation of strategic energy projects, as well as the procedures for the preparation and execution of strategic investment projects in the energy sector that are designated as Projects of Energy Community Interest (PECI). To enhance the resilience of the electric power system against crises and other adverse situations, it is necessary to identify national electric power crisis scenarios and develop a risk preparedness plan. The development and adoption of the aforementioned regulations and documents are scheduled for 2026. The review and potential improvement of the existing regulations that define the technical requirements for the design, construction, testing, use, and maintenance of energy facilities for the generation, transmission, and distribution of electricity at all voltage levels, including the electrical installations within them, grounding, and protection against atmospheric discharges, as well as the conditions that legal entities or entrepreneurs performing testing or maintenance of energy facilities for generation, transmission, and distribution of electricity must meet, and ensuring compliance with European and international standards, is planned for 2027 and 2028.
Institutions responsible for the implementation of measures and activities	Ministry of Mining and Energy

Institutions responsible for monitoring implementation and reporting on the realization	Ministry of Mining and Energy
Deadline for implementation	Permanent activities (2026-2028)
Required funds and source of financing (in thousands of RSD)	The measure does not require special funds.
Implementation indicator	Implementation phase: drafting, making proposals, passing and adopting
Impact of the activity on the achievement of the objective	Enhancing the regulatory framework by enacting the aforementioned and detailed secondary legislation comprehensively contributes to the secure electricity supply of the domestic market.
Impact on EE, climate, and environmental protection	No direct impact

Table 5.1.7-5: Activities for the implementation of measure EL7 – Activity EL7.5

Activity EL7.5.	Monitoring power system reliability standards
Description	Under the Energy Law, within the section addressing security of supply, energy entities engaged in legally defined energy activities are obligated to prioritize the provision of sufficient quantities of energy and energy sources required for the livelihood and daily needs of the population, as well as for the operation of business entities, to ensure the energy security of the Republic of Serbia. Going forward, the Ministry of Mining and Energy, based on a proposal by the Energy Agency of the Republic of Serbia, will define the so-called 'system reliability standard' as part of the Report on the Security of Supply of the Republic of Serbia. The system reliability standard is defined as the necessary level of security of supply, which must be ensured through adequate generation capacity, including a capacity remuneration mechanism. The system reliability standard is determined based on the value of expected unserved energy and the value of expected unmet demand. To address inadequacies in electricity generation and the transmission system, the Government may, upon the proposal of the Ministry, introduce a capacity mechanism as a last-resort measure, provided that an appropriate secondary legislation is adopted beforehand.
Institutions responsible for the implementation of measures and activities	Ministry of Mining and Energy
Institutions responsible for monitoring implementation and reporting on the realization	Ministry of Mining and Energy
Deadline for implementation	Permanent activities (2026-2028)
Required funds and source of financing (in thousands of RSD)	The measure does not require special funds.
Implementation indicator	Implementation phase: drafting, making proposals, passing, and adopting
Impact of the activity on the achievement of the objective	Defining power system reliability standards contributes to the secure electricity supply to the domestic market.
Impact on EE, climate, and environmental protection	No direct impact

5.2. Heat Energy Sector

The Heat Energy Sector encompasses the capacities for the production, distribution, and supply of heat energy in the Republic of Serbia, including:

- District Heating Systems (hereinafter: DHS) operate in 64 business entities engaged in the activities of producing, distributing, and supplying heat energy,

- Thermal Power Plants (TPPs), specifically: TPP Kolubara A, TPP Kostolac A, and TPP Nikola Tesla A, where the generated heat energy is used for heating the cities of Lazarevac, Obrenovac, Kostolac, and Požarevac,
- Combined Heat and Power Plants (CHPPs),
- Industrial energy facilities (autoproducers) are primarily used for the production of heat energy for manufacturing processes and heating of workspaces within industrial enterprises.

The planned measures for achieving strategic objectives, along with investment values and sources of financing, are presented in Table 5.2.1.

Table 5.2.2 presents the link between the adopted development objectives of the Heat Energy Sector and the proposed measures for achieving those goals, as well as the indicators for monitoring implementation, the indicator values in 2023, and the projected values for 2028.

Table 5.2.1: Measures in the heating energy sector with investment values

Title	Type*		Investment value (thousand EUR)	
		Year	Other sources (donations and loans)	
			(thousands EUR)	(thousands RSD)
T1 – Preventive maintenance, rehabilitation, and modernization of DHS	Inv	2026.	42,000	4,925,430
		2027.		
		2028.		
T2 – Use of heat pumps, phase-out of coal and oil derivatives, use of heat accumulators, subsidies and grants	Inv	2026.	5,975	700,554
		2027.	73,158	8,577,725
		2028.	86,131	10,098,902
T3 – Approval of tariffs based on justified cost requests	IG	2026.		
		2027.		
		2028.		
T4 – Defining national and local jurisdiction levels in performing energy activities related to the production, distribution, and supply of heat energy	R	2026.	100	11,725
		2027.		
		2028.		
Total			207,364	24,314,336

*Inv - Investment, R - Regulatory, I - Incentive, Inf - Informative, IG – Institutional/governance, F – Financial

Table 5.2.2: Objectives, measures and indicators in the heat energy sector

Goals		➢ Secure and efficient supply of heat energy ➢ Increasing energy efficiency in the production, distribution and use of heat energy	➢ Increasing the use of RES and waste heat	➢ Long-term sustainable business of energy entities	➢ Harmonization of the institutional and improvement of the regulatory framework
Measures		T1		T3	T4
		T2			
Indicators		➢ Efficiency of the production and distribution system ➢ Specific heat energy consumption	➢ Share of thermal energy produced from RES and waste heat in DHS	➢ Share of district heating systems with tariffs in line with justified costs	➢ Share of households connected to DHS
Value in 2023.		Efficiency of production system η_{ps}: 90.7% Efficiency of distribution system:86.3% q_{sp}= 119 kWh/m^2/god	2.47%	25%	25.33%
The projected value of the indicator	**2026**	η_{ps}=91.40% η_{ds}= 87.25% q_{sp}=117 kWh/m^2/y	3.01%	60%	27.53%
	2027	η_{ps}=91.70% η_{ds}= 87.63% q_{sp}=116 kWh/m^2/y	3.94%	77%	28.27%
	2028	η_{ps}=92% η_{ds}=88% q_{sp}=115 kWh/m^2/y	5.80%	100%	35.00%

Measure T1 - Preventive maintenance, rehabilitation, and modernization of the DH systems contributes to achieving a secure supply of the required amount of heat energy to residential and commercial premises from the DH systems. It consists of 10 activities:

T1.1: Construction of the distribution network in Vršac
The investment value of this project is EUR 2.73 million.
The contribution of this project is the reduction of losses. After project implementation, the efficiency of the DH system will increase by 3%.

T1.2 Reconstruction of the distribution system in Bečej
The investment value of this project is EUR 1.13 million.
The contribution of this project is the reduction of losses. After its implementation, the efficiency of the DH system will increase by 3%.

T1.3: Reconstruction of the distribution system in Kruševac
The investment value of this project is EUR 0.6 million.
The contribution of this project is the reduction of losses. After its implementation, the efficiency of the distribution system will increase by 3%.

T1.4: Reconstruction of the distribution system in Smederevo
The investment value of this project is 32.771 million EUR.
This project involves the construction of a new heat source within the HBIS Serbia ironworks, the construction of a gas boiler house and the construction of a new heating network, the decommissioning of the existing 26 heavy fuel oil-fired boiler houses and the use of waste heat from HBIS Serbia Ironworks Smederevo. The contribution of this project is the reduction of the losses in the existing DHS and cessation of using heavy fuel oil in Smederevo DHS.

T1.5: Reconstruction of the distribution system in Zaječar
The investment value of this project is 2.903 million EUR.
The contribution of this project is the reduction of losses.

T1.6: Reconstruction of heat transfer stations (HTSs) in Vršac
The investment value of this project is 0.6 million EUR.
The contribution of this project is the increase in heat transfer and more efficient operation of the entire DHG. Following its implementation, the transmission efficiency is expected to increase by 5.0%.

T1.7: Reconstruction of heat transfer stations in Bečej
The investment value of this project is 0.44 million EUR.
The contribution of this project is the increase in heat transfer, resulting in more efficient operation of the entire DHG. Following its implementation, the transmission efficiency is expected to increase by 6.2%.

T1.8: Reconstruction of heat transfer stations in Kruševac
The investment value of this project is 0.68 million EUR.
The contribution of this project is the reduction and increase of heat transfer and more efficient operation of the entire DHG. Following its implementation, the transmission efficiency is expected to increase by 5.0%.

T1.9: Reconstruction of heat transfer stations in Kragujevac
The investment value of this project is 1.5 million EUR.

The contribution of this project is the reduction and increase of heat transfer and the more efficient operation of the entire district heating system. Following its implementation, the transmission efficiency is expected to increase by 5.0%.

T1.10: Rehabilitation of the district heating system in Serbia KFW – Phase V
The investment value of this project is 32 million EUR.
Rehabilitation and modernization of the district heating system includes:
- Construction, reconstruction, and/or replacement of heat energy production facilities,
- replacement and/or expansion of heating network,
- reconstruction, replacement and/or installation of new heat substations.
The contribution of this project, after its implementation, is increased operational safety, which is reflected in the stable operation of production capacities, reduction of losses in the distribution system and increase in the efficiency of heat transfer in the HTS, increasing the efficiency of the DHSs by 4.6%.

Measure T2 Use of heat pumps, cessation of the use of coal and oil derivatives, use of heat accumulators, subsidies, and grants consists of 5 activities:

T2.1: Integration of RES into the Novi Sad Municipal District Heating System
The investment value of this project is EUR 107.9 million.
The project involves the procurement of solar panels (31 MW), heat pumps (17 MW), electric water heaters (60 MW), and other necessary equipment, the construction of a heat storage facility, solar collectors, and heat pumps. The key components of the Project are: two seasonal heat storage facilities – north and south, a solar collector plant, and a technical building, which houses the heat pumps and electric water heaters, as well as other supporting components. The combined total volume of the north and south storage facilities is 869,829 m^3.

T2.2: Implementing RES into district heating systems in 10 local government units
The investment value of this project is EUR 35.5 million.
The aim of the project "Renewable Energy Sources in District Heating Systems in Serbia - ReDE Serbia" is to improve air quality, promote the use of renewable energy sources in the production of heat energy in Serbia, and increase energy efficiency. Phase 1 includes 14 projects in 10 local governments (Bečej, Bogatić, Vršac, Kragujevac, Kraljevo, Kruševac, Niš, Novi Pazar, Pančevo and Paraćin). The project's contribution is to reduce CO_2 emissions by 13,600 t per year. After implementation, these projects would deliver 115 GWh of heat energy from RES and additionally reduce 61 GWh of primary energy by implementing energy efficiency measures. Heat energy produced from RES would be increased from the current 95 GWh to 210 GWh.

T2.3 Development of the biomass market in the Republic of Serbia
The program aims to introduce the use of biomass in selected heating plants in the Republic of Serbia for the production of heat energy. The program envisages the construction of heating plants, reconstruction of the heating network, and substations in the following cities/municipalities: Majdanpek, Prijepolje, Novi Pazar, Vranje, Niš, Rača. The investment value of this project is EUR 31.9 million. The contribution of this project is the reduction of CO_2 emissions and local pollutants.

T.2.4. Decarbonization of District Heating (DDH)
The objective of this Project is to increase energy efficiency and introduce RES into district heating systems and build appropriate supporting infrastructure, which have been identified as activities that will contribute to increasing the share of RES in the overall energy mix and

decarbonization of Serbia. The expected start of investment implementation is 2027, and the completion of implementation is 2031. The estimated value of the investment is 58 million EUR. The contribution of this project is the reduction of CO_2 emissions and local pollutants.

Measure T3 Approval of tariffs upon request in accordance with justified costs includes one activity:

T3.1: Billing according to consumption in the entire consumption area for both tariff groups, i.e., residential and commercial premises. It implies the full implementation of the Methodology for determining the price of heat energy supply to the end customer. The contribution of this measure is reflected in the fair billing of heat energy among end customers and increasing their level of satisfaction with the delivery of heat energy while respecting the obligations undertaken towards the international community.

Measure T4 Defining the national and local level of competence in carrying out energy activities of production, distribution, and supply of heat energy includes one activity:

T4.1 Adoption of the Law on Thermal Energy; The regulatory measure in the thermal energy sector, which contributes to the sustainable operation of district heating companies (DHCs), refers to amendments to the Energy Law concerning Article 8v. The Program for the Development of the Production and Use of Thermal Energy represents the fundamental document that defines the directions of action and public policies in the field of thermal energy production and use, as well as the implementation of those public policies.

The total funds planned for the implementation of measures and activities in the heat sector amount to EUR 207.36 million, and the distribution by activities, together with the planned sources of financing, is shown in Tables 5.2.3-6.

Table 5.2.3-1: Activities for implementing the measure T1 –T1.1

Activity T1.1	Construction of a distribution network in Vršac
Description	Construction of a distribution network
Institutions responsible for the implementation of measures and activities	PUC Drugi oktobar Vršac Competent authority of the City of Vršac
Institutions responsible for monitoring implementation and reporting on realization	Ministry of Mining and Energy
Deadline for implementation	2027.
Required funds and source of financing	EUR 2.73 million EBRD loan, approximately 20% grant The implementation dynamics and the plan for withdrawing funds will be defined later
Impact of the activity on the achievement of the objective	Secure supply: Increase the efficiency of the distribution system by 3%
Impact on EE, climate, and environmental protection	Reduce emissions by 108.75 tCO_{2eqv}/year

Table 5.2.3-2: Activities for implementing the measure T1 –T1.2

Activity T1.2	Reconstruction of the distribution system in Bečej
Description	Reconstruction of the distribution system
Institutions responsible for the implementation of measures and activities	PU Toplana Bečej Competent authority of the City of Bečej

Institutions responsible for monitoring implementation and reporting on realization	Ministry of Mining and Energy
Deadline for implementation	2027.
Required funds and source of financing	1.13 million EUR EBRD loan, approximately 20% grant The implementation dynamics and the plan for withdrawing funds will be defined later
Impact of the activity on the achievement of the objective	Safe and efficient supply of heat energy Increase in the efficiency of the distribution system by 3%
Impact on EE, climate, and environmental protection	Reduction in emissions by 93.95 t CO2eqv/year

Table 5.2.3-3: Activities for implementing the measure T1 –T1.3

Activity T1.3	Reconstruction of the distribution system in Kruševac
Description	Reconstruction of the distribution system
Institutions responsible for the implementation of measures and activities	PUC Gradska toplana Kruševac Competent authority of the City of Kruševac
Institutions responsible for monitoring implementation and reporting on realization	Ministry of Mining and Energy
Deadline for implementation	2027.
Required funds and source of financing	0.6 million EUR EBRD loan, approximately 20% grant The implementation dynamics and the plan for withdrawing funds will be defined later
Impact of the activity on the achievement of the objective	Safe and efficient supply of heat energy Increase in the efficiency of the distribution system by 0.5%
Impact on EE, climate, and environmental protection	Reduction in emissions by 375,8 t CO_2eqv/year

Table 5.2.3-4: Activities for implementing the measure T1 – 1.4

Activity T1.4	Using waste heat from HBIS Serbia for heating the city of Smederevo
Description	This project involves the construction of a new heat source within the HBIS Serbia ironworks, the construction of a gas boiler house and the construction of a new heating network, the decommissioning of the existing 26 heavy fuel oil-fired boiler houses.
Institutions responsible for the implementation of measures and activities	PU Grejanje Smederevo Competent authority of the City of Smederevo
Institutions responsible for monitoring implementation and reporting on realization	Ministry of Environmental Protection
Deadline for implementation	2030.
Required funds and source of financing	EUR 32.771 million EBRD loan The implementation dynamics and the plan for withdrawing funds will be defined later
Impact of the activity on the achievement of the objective	Safe and efficient supply of heat energy Increase in the efficiency of the distribution system
Impact on EE, climate, and environmental protection	Reduction in emissions by 3437 t CO_2eq/year

Table 5.2.3-5: Activities for implementing the measure T1 –T1.5

Activity T1.5	Reconstruction of the existing and construction of new heating pipelines and heating substations in Zaječar

Description	Reconstruction of the existing and construction of new heating pipelines and heating substations
Institutions responsible for the implementation of measures and activities	PUHC Zaječar Competent authority of the City of Zaječar
Institutions responsible for monitoring implementation and reporting on realization	Ministry of Environmental Protection
Deadline for implementation	2029.
Required funds and source of financing	EUR 2.903 million EBRD loan The implementation dynamics and the plan for withdrawing funds will be defined later
Impact of the activity on the achievement of the objective	Safe and efficient supply of heat energy Increase in the efficiency of the distribution system
Impact on EE, climate, and environmental protection	Reduction in emissions by 2477 t CO2eq/year

Table 5.2.3-6: Activities for implementing the measure T1 – T1.6

Activity T1.6	Reconstruction of heat substation in Vršac
Description	Reconstruction of heat substation
Institutions responsible for the implementation of measures and activities	PUC Drugi oktobar Vršac Competent authority of the City of Vršac
Institutions responsible for monitoring implementation and reporting on realization	Ministry of Mining and Energy
Deadline for implementation	2027.
Required funds and source of financing	EUR 0.6 million EBRD loan, approximately 20% grant The implementation dynamics and the plan for withdrawing funds will be defined later
Impact of the activity on the achievement of the objective	Increasing energy efficiency in heat transfer Reducing heat energy use by 5%
Impact on EE, climate, and environmental protection	Reduction in emissions by 181,25t CO_2eqv/year

Table 5.2.3-7: Activities for implementing the measure T1 –T1.7

Activity T1.7	Reconstruction of heat substation in Bečej
Description	Reconstruction of heat substation
Institutions responsible for the implementation of measures and activities	PU Toplana Bečej Competent authority of the City of Bečej
Institutions responsible for monitoring implementation and reporting on realization	Ministry of Mining and Energy
Deadline for implementation	2027.
Required funds and source of financing	EUR 0.44 million EBRD loan, approximately 20% grant The implementation dynamics and the plan for withdrawing funds will be defined later
Impact of the activity on the achievement of the objective	Increasing energy efficiency in heat transfer Reducing heat energy use by 6.2%
Impact on EE, climate, and environmental protection	Reduction in emissions by 194,17 t CO_2eqv/year

Table 5.2.3-8: Activities for implementing the measure T1 –T1.8

Activity T1.8	Reconstruction of heat substation in Kruševac
Description	Automation of 66 heat substation
Institutions responsible for the implementation of measures and activities	PUC Gradska toplana Kruševac Competent authority of the City of Kruševac
Institutions responsible for monitoring implementation and reporting on realization	Ministry of Mining and Energy
Deadline for implementation	2027.
Required funds and source of financing	EUR 0.68 million EBRD loan, approximately 20% grant The implementation dynamics and the plan for withdrawing funds will be defined later
Impact of the activity on the achievement of the objective	Increasing energy efficiency in heat transfer Reducing heat energy use by 5%
Impact on EE, climate, and environmental protection	Reduction in emissions by 3708,5t CO_2eqv/year

Table 5.2.3-9: Activities for implementing the measure T1 –T1.9

Activity T1.9	Reconstruction of heat substation in Kragujevac
Description	Automation of 79 heat substation
Institutions responsible for the implementation of measures and activities	Energetika doo Kragujevac Competent authority of the City of Kragujevac
Institutions responsible for monitoring implementation and reporting on realization	Ministry of Mining and Energy
Deadline for implementation	2027.
Required funds and source of financing	EUR 1.5 million EBRD loan, approximately 20% grant The implementation dynamics and the plan for withdrawing funds will be defined later
Impact of the activity on the achievement of the objective	Increasing energy efficiency in heat transfer Reducing heat energy use by 5%
Impact on EE, climate, and environmental protection	Reduction in emissions by 2569,4 t CO_2 eqv/year

Table 5.2.3-10: Activities for implementing the measure T1 –T1.10

Activity T1.10	Rehabilitation of district heating systems in Serbia KFW – Phase V
Description	Rehabilitation and modernization of the SDG include: - Construction, reconstruction and/or replacement of heat energy production facilities, - replacement and/or expansion of heating pipelines, - reconstruction, replacement and/or installation of heat substations. The Project includes 7 District Heating Plants (from Belgrade, Bor, Jagodina, Leksovac, Negotin, Niš and Senta) and is implemented through 13 individual investments/contracts, concluded on the basis of 5 implemented international joint procurements. The goal of the Project is efficient and reliable energy supply by District Heating Plants operating according to economic principles. This should contribute to the goal that heat customers and the environment benefit from a sustainable, efficient and reliable energy supply, thereby laying the foundation for Serbia's accession to the EU in line with the requirements of the Environment Chapter of the EU acquis.
Institutions responsible for the implementation of measures and activities	MoME and DHS Project Participants

Institutions responsible for monitoring implementation and reporting on realization	MoME and DHS Project Participants
Deadline for implementation	Completion of provision of Consulting Services: April 30th 2026 Completion of all activities on the Project: December 30th 2026
Required funds and source of financing	Estimated project value: EUR 32,000,000 (EUR 29,100,000 for technical measures/investments and EUR 2,900,000 for Expert Services) Loan/Grant Amount: EUR 30,000,000 KfW Development Loan and EUR 2,000,000 donation from the Government of the Federal Republic of Germany through KfW, Signed Financing Agreements: - The Loan Agreement between KfW, Frankfurt am Main and the Republic of Serbia was concluded on December 18, 2019, which was ratified by the National Assembly of the Republic of Serbia by the Law on the Confirmation of the Loan Agreement ("Official Gazette of the Republic of Serbia - International Agreements", No. 6/20). -A grant agreement between KfW, Frankfurt am Main and the Republic of Serbia in the amount of EUR 2,000,000.00 was concluded on 23.04.2020. - Annex to the Donation Agreement dated March 14, 2025, by which the original deadline for payment of the donation (December 30, 2025) was extended to December 30, 2026. The funds for the implementation of the project in 2026 amount to 154,528,000 RSD (1.32 million EUR) The 2026 budget provides funds in the amount of 112.7 million RSD, of which 50 thousand RSD will come from the Budget of the Republic of Serbia, and the rest from donations and loans. If all the planned loan funds are spent, it will be necessary to provide funds in the amount of 41,828,000 RSD for the implementation of settlement orders.
Impact of the activity on the achievement of the objective	This should contribute to the goal of ensuring that heat customers and the environment benefit from a sustainable, efficient and reliable energy supply, thereby laying the foundation for Serbia's accession to the EU (in accordance with the requirements of the Environment Chapter of the EU acquis).
Impact on EE, climate, and environmental protection	The implementation of the Project will achieve: - reduction of CO2 emissions by 11,700 t/year; - increase of the energy efficiency of the system by 4.6%

Total funds for the measure T1	**42 million EUR (358.28 million RSD)**

Table 5.2.4-1: Activities for implementing the measure T2 –T2.1

Activity T2.1	Integration of RES into the DHS of Novi Sad
Description	Upgrading the district heating system of Novi Sad through the integration of a solar thermal plant with two seasonal heat storage facilities with a total volume of 869,829 m^3 (105 MW), solar collector fields with an area of approximately 38,623 m^2 (31 MW), heat pumps with a capacity of 17 MW and two electric boilers with a total capacity of 60 MW.
Institutions responsible for the implementation of measures and activities	MoME, PUC Novosadska toplana Competent authority of the City of Novi Sad
Institutions responsible for monitoring implementation and reporting on realization	Ministry of Mining and Energy
Deadline for implementation	2030 (including warranty period) - Equipment procurement and plant construction (2026-2028): • Procurement of solar panels, heat pumps, electric water heaters and necessary equipment. • Construction of heat storage • Installation of solar collectors and installation of heat pumps.
Required funds and source of financing	107,865,390 EUR, WBIF – 20% investment grant, the rest is a loan from the EBRD, development banks, local government funds

2026.	597,000 EUR (70,000,000 RSD)
2027.	38,550,000 EUR (4,520,000,000 RSD – 960,000,000 RSD as donation and 3,560,000,000 RSD as loan)
2028.	48.571.500 EUR (5.695.000.000 RSD – 1,195,000,000 RSD as donation and 4,500,000,000 RSD as loan)
Impact of the activity on the achievement of the objective	Increase in RES and waste heat share in DHS Novi Sad to 31%
Impact on EE, climate, and environmental protection	Reduction of annual greenhouse gas emissions: 17,350 t CO_2eq /year.

Table 5.2.4-2: Activities for implementing the measure T2 –T2.2

Activity T2.2	Renewable energy sources in district heating systems in Serbia – phase I
Description	The aim of the project "Renewable Energy Sources in District Heating Systems in Serbia - ReDE Serbia" is to improve air quality, promote the use of renewable energy sources in the production of heat energy in Serbia and increase energy efficiency. It includes 14 projects in 10 local governments (Bečej, Bogatić, Vršac, Kragujevac, Kraljevo, Kruševac, Niš, Novi Pazar, Pančevo and Paraćin).
Institutions responsible for the implementation of measures and activities	Ministry of Mining and Energy, Local Government Units, DHS
Institutions responsible for monitoring implementation and reporting on realization	Ministry of Mining and Energy, DHS
Deadline for implementation	**Start of work:** Q1 2026. **Completion of work:** Q2 2028.
Required funds and source of financing	**Estimated project value (EUR)**: EUR 40.5 million, of which EUR 37.5 million is for investment and EUR 3 million for technical assistance **Loan/grant amount**: EBRD loan of EUR 30 million. EUR 4 million EU grant through the Regional Energy Efficiency Program (REEP) and a grant from the Government of Austria, as well as EUR 8.5 million in grants received from the Swiss Confederation (SECO) through the EBRD. EUR 2 million of the grant was spent on project preparation and regulatory improvement activities in the energy efficiency and district heating sub-sectors. In accordance with the fact that this project has started its implementation, it is necessary to open a project under this name within the MoME section of the 2026 budget and allocate funds in the amount of 91,811,000 RSD from donations. The remaining funds in the following years need to be planned in accordance with the balance sheet capabilities of the budget of the Republic of Serbia, as follows: - 2027: funds in the amount of 140,836,000 RSD from donations and 1,956,000,000 RSD from loans, - 2028: funds in the amount of 457,498,000 RSD from donations and 1,518,608,000 RSD from loans.
Impact of the activity on the achievement of the objective	Once implemented, these projects would deliver 115 GWh of heat energy from RES and an additional 61 GWh of primary energy would be reduced through the implementation of energy efficiency measures. This represents approximately 3.3% of the total heat energy delivered by the district heating system in Serbia (6,300 GWh). Heat energy produced from RES would increase from the current 95 GWh to 210 GWh.
Impact on EE, climate, and environmental protection	Reducing CO2 emissions by 13,600 tons per year.

Table 5.2.4-3: Activities for implementing the measure T2 –T2.3

Activity T2.3	Biomass market development in the Republic of Serbia
Description	The program aims to introduce the use of renewable energy sources in selected district heating plants in the Republic of Serbia for the production of heat energy, while switching from the use of fossil fuels to the use of biomass. The program envisages the construction of district heating plants, reconstruction of the district heating network and substations in the following cities/municipalities: Majdanpek, Prijepolje, Novi Pazar, Vranje, Niš, Rača. Tenders are underway for the selection of consultants for the preparation of feasibility studies and a tender for the selection of an implementation consultant (contract signing is expected by May 2026).
Institutions responsible for the implementation of measures and activities	MoME and DHS
Institutions responsible for monitoring implementation and reporting on realization	MoME and DHS
Deadline for implementation	The program runs until 31.12. 2029. It is planned to build two heating plants in 2027, two heating plants in 2028, and two more heating plants in 2029.
Required funds and source of financing	The total value of the Program is EUR 31,900,000, of which EUR 20,000,000 is a loan and EUR 11,900,000 is a grant. All contracts have been signed, as follows: - The Loan Agreement was signed on 27.10. 2023, ratified on 3.07. 2024, - A grant of EUR 2,000,000 provided by the Government of the Federal Republic of Germany, the funds of which will be used to finance the work of consultants and the operating costs of the Central Unit for the Implementation of the Program. The Grant Agreement was signed on 22.12.2023 - A grant of EUR 9,000,000 provided through the Western Balkans Investment Framework (WBIF). The funds will be used up to EUR 7,000,000 for the construction of a biomass plant and up to EUR 2,000,000 for financing consultancy services. The contract was signed on 14 May 2024; - A grant of EUR 900,233.64 was received through IPA 2018 and the funds will be used for the preparation of pre-feasibility studies. The contract was signed on 14 May 2024. Within the MoME section of the 2026 budget, funds in the amount of 538,940,000 RSD have been allocated from donations, loans and EU funds. The remaining funds in the following years need to be planned in accordance with the balance sheet capabilities of the budget of the Republic of Serbia, as follows: - 2027: funds in the amount of 320,540,000 RSD from donations and 600,000,000 RSD from loans, - 2028: funds in the amount of 396,140,000 RSD from donations and 600,000,000 RSD from loans,
Impact of the activity on the achievement of the objective	An increase in the use of RES cannot be assumed at this time, as the installed power of production capacities is not known.
Impact on EE, climate, and environmental protection	Reducing carbon dioxide emissions and local pollutants.

Table 5.2.4-4: Activities for implementing the measure T2 –T2.4

Activity T2.5.	Decarbonization of district heating (DDH)
Description	This Project aims to increase energy efficiency and introduce RES (solar and geothermal technologies and heat pumps) into district heating systems, as well as to construct and rehabilitate appropriate supporting infrastructure (heating pipelines and substations). In addition to increasing energy efficiency and the share of RES in the

	overall energy mix, the Project will support the substitution of imported energy sources, the decarbonization of Serbia through reductions in harmful gas emissions, and improved stability of heat energy supply to consumers.
Institutions responsible for the implementation of measures and activities	MoME, LSGs and DHSs
Institutions responsible for monitoring implementation and reporting on realization	MoME, LSGs and DHSs
Deadline for implementation	The start was planned in 2026. However, since the appropriate funds were not planned in the Budget for 2026, the planned start of work on the Project is 2027. The Project will last 5 years and its completion is expected in 2031. Dynamics of implementation of activities by year will be defined after the preparation of the Pre-feasibility Studies during 2026.
Required funds and source of financing	Estimated project value: 59,000,000 EUR Sources of financing: KfW loan 40,000,000 EUR, donation from the Government of the Federal Republic of Germany through KfW 3,000,000 EUR, donation from EU funds (REEP - Regional Energy Efficiency Program) 16,000,000 EUR. A set of financing agreements is expected to be concluded in early 2027. In accordance with the fact that this project has started its implementation, it is necessary to open a project under this name within the MoME section of the 2026 budget and allocate funds in accordance with the balance sheet capabilities of the budget of the Republic of Serbia, as follows: - 2027: funds in the amount of 50,000 RSD from the budget, 74,440,000 RSD from donations and 966,000,000 RSD from loans, - 2028: funds in the amount of 50,000 RSD from the budget, 465,600,000 RSD from donations and 966,000,000 RSD from loans.
Impact of the activity on the achievement of the objective	Increasing the use of RES; The increase in the share of RES cannot be accurately determined, because the installed power of production capacities is not known.
Impact on EE, climate, and environmental protection	It is expected to reduce emissions of harmful gases, increase the share of RES in the overall Serbian energy mix, increase the energy efficiency of the heat energy production and distribution system, increase the substitution of imported energy sources and improve the security of heat energy supply to consumers.

Total funds for the measure T2	**165.26 million EUR (19.377 million RSD)**

Table 5.2.5: Activities for implementing the measure T3 –T3.1

Activity T3.1	Billing for delivered heat energy in district heating systems according to measured energy consumption
Description	Billing according to consumption in the entire consumption area for both tariff groups, i.e. residential and commercial premises. Full implementation of the Methodology for determining the price of heat energy supply to the end customer.
Institutions responsible for the implementation of measures and activities	DHS and LSG
Institutions responsible for monitoring implementation and reporting on realization	Ministry of Mining and Energy Energy Inspector
Deadline for implementation	2027.
Required funds and source of financing	Do not require additional funds

Impact of the activity on the achievement of the objective	Long-term sustainable business of energy entities: 35% of DHSs charge for delivered heat energy according to measured energy consumption
Impact on EE, climate, and environmental protection	The expected reduction in specific heat energy consumption has a positive effect on environmental protection and climate.

Table 5.2.6: Activities for implementing the measure T4 –T4.1

Activity T4.1	Adoption of the Heat Energy Law
Description	Amendments to the Energy Law, Article 8 c: The Program for the Development of Thermal Energy Production and Use is the basic act that determines the directions of action and public policy in the field of thermal energy production and use and the implementation of public policies.
Institutions responsible for the implementation of measures and activities	Ministry of Mining and Energy
Institutions responsible for monitoring implementation and reporting on realization	DHBA „Toplane Srbije“
Deadline for implementation	2026.
Required funds and source of financing	0.1 million EUR (11,725,000 RSD) EBRD, donation
Impact of the activity on the achievement of the objective	Increasing the number of connections to district heating systems
Impact on EE, climate, and environmental protection	No direct impact
Regulations to be adopted/amended	Amendment to the Energy Law
Total funds for the measure T4	**0.10 million EUR (11.725 million RSD)**

5.3. RES Sector

The strategic objectives within the renewable energy resources (RES) sector focus on expanding RES utilization for generating electricity, heat, and transportation. These objectives align with the overarching aims of the energy sector's development, positively influencing energy security and decarbonization, while enhancing the energy sector's economic competitiveness in the long run.
To achieve these strategic objectives, the Strategy outlines eight specific measures:

- RES1 Financial and other incentives for the development of RES capacity (hydro, wind, solar energy, etc.);
- RES2 Informing and educating the public;
- RES3 Simplified and fast procedures for customers wishing to switch to the prosumer category;
- RES4 Increasing the energy efficiency of the network;
- RES5 Financial and other incentives for the development of RES capacity for the production of heat energy;
- RES6 Establishing the necessary infrastructure;
- RES7 Modifications of the electrical distribution network for electromobility;
- RES8 Intensification of national incentives for the widespread adoption of electric vehicles.

During the relevant Program period, plans are in place to implement all eight of the aforementioned measures.
Additionally, this Program includes two further measures:

- RES9 Improving the regulatory framework within the renewable energy sector and
- RES10 Improving energy statistics.

Strategic measures for the implementation of the set objectives in the renewable energy sector are supportive (incentive), informational, institutional/ governance, investment, and regulatory:

- Supportive (incentive) measures: RES1, RES5 и RES8;
- Informational measure: RES2;
- Institutional/governance: RES3 и RES10;
- Investment measure: RES4, RES6 и RES7;
- Regulatory measure: RES9.

The objective of measures RES1-RES4 is to increase the share of RES in electricity generation. These measures are complemented by measures and activities from the electricity sector related to the construction of new production capacities using renewable energy sources and the reconstruction of existing ones. EPS JSC Belgrade intends to build the following power plants:

- Self-balancing solar power plants with a capacity of 1 GW and
- Solar power plants Morava and Kolubara,

as well as projects for the reconstruction and increase of the capacity of certain HPPs in its portfolio.
Moreover, the construction of various solar and small-scale hydropower plants is also a possibility.
In terms of projects by private investors who previously took part in auctions for the allocation of the right to a market premium, the construction of several power plants is scheduled before the end of 2028[22]:

- WP Vetrozelena;
- WP Crni Vrh;
- WP Čibuk 2;
- WP Jasikovo;
- WP Alibunar 1;
- WP Alibunar 2;
- WP Bela Anta 2;
- SPP Solarina.

The total installed capacity of these power plants will total 1,059 MW, with 737 MW coming from the market premium quota.
Detailed information on these activities can be found in Chapter 5.1
Measures RES1-RES4 are intended to further encourage the development of new projects, targeting both larger investors and individuals or legal entities that wish to transition to prosumer status. For the years 2026 through 2028, the anticipated installed capacity for prosumers is projected to be 30 MW, 35 MW, and 40 MW, respectively, each year.

To enhance the development of renewable energy sources and establish a consistent and reliable incentive framework for investors, a new incentive plan for renewable energy utilization is set to be introduced in the near future. This plan will outline the framework for future auctions to distribute market premiums, in line with the legislation on renewable energy and the requirements of the energy market.

The continuation of the organization of auctions for the allocation of market premiums is based on the positive effects of previous cycles, but primarily aims to improve the investment environment, increase the share of green energy in total production, and ensure a more secure supply of electricity in the Republic of Serbia.

[22] Connection to the grid by 2028 should also be expected for five solar power plants, with individual capacities of less than 10 MW, and a total capacity of 30.68 MW.

Certain measures can also be found in the energy efficiency sector, where the following projects are planned, with a range of projects planned that partly include incentives for the use of renewable energy sources, primarily solar panels:

- National program for energy renovation of public buildings in local government units, as well as city municipalities;
- Clean energy and energy efficiency for citizens;
- Project for improving the energy efficiency of public buildings in the Autonomous Province of Vojvodina.

The objective of the RES5 measure is to increase the share of RES in heat generation by implementing various forms of financial and other incentives. This measure is complemented by measures and activities from the heat sector related to the construction of new renewable energy capacity, namely:

- Integration of RES into the Novi Sad Municipal District Heating System,
- Implementing RES into district heating systems in 10 local government units,
- Use of a heat pump in DHS in Užice and reconstruction of the boiler house "Zlatibor"
- Development of the biomass market in the Republic of Serbia.

The aforementioned activities are described in detail in Chapter 5.2. Measure OIE5 should further stimulate the development of new projects by implementing incentive measures for the application of RES in the thermal energy sector.

The objective of measures RES6-RES8 is to increase the share of RES in transport. European Union legislation regarding renewable energy sources is evolving towards a gradual decline in the use of first-generation biofuels while continuously increasing the share of RES in transport, which also encompasses a rise in the use of advanced biofuels. The Integrated National Energy and Climate Plan of the Republic of Serbia for the Period up to 2030, with a vision to 2050 (Official Gazette of RS, no. 70/24), specifically includes decarbonization initiatives for the years 2026-2030, aimed primarily at increasing the share of renewable energy sources in the transport sector. However, the introduction of advanced biofuels in the Republic of Serbia is accompanied by numerous challenges (price and stability of supply of advanced biofuels, low availability of production technologies, threatened sanctions against the largest oil company NIS JSC Novi Sad, geopolitical situation, etc.). Based on the above, problems related to the implementation of RES6-RES8 measures in the production and use of biofuels may be real. However, a partial contribution to achieving the ambitious RES target in transport can also be achieved by using biomethane and renewable fuels of non-biological origin (e.g., renewable hydrogen) in transport, as well as through the electrification of transport. In this regard, fiscal and economic incentives are planned to support the additional use of electric vehicles, i.e., their purchase and use. Indicative measures from the NECP include providing grants at market price, reducing registration and use costs through tax breaks and tax reductions, launching a special pricing policy in insurance programs, reducing road tolls, free entry to the city center, and free parking and the right to use certain parking spaces. In addition, the installation of additional chargers is planned to further promote the consumption of energy generated by RES in electromobility as one of the policy measures.

Measure RES9 refers to the Certification of installers of plants using renewable energy sources (in accordance with the Energy Law and Annex 4 of the RED III Directive), and Measure RES10 refers to research on the use of RES for heating and cooling and in transport.

Given that for measures RES1-RES8 the investment values and sources of financing are shown in other sectors, only the investment value of measure RES10 is shown in Table 5.3.1.

Table 5.3.1: Measures in the renewable energy sources sector

Name	Type*	Investment value			
		Year	RS Budget/LSGU	Own funds	Other sources
RES9 Improving the regulatory framework within the renewable energy sector	R	2026-2028	-	--	-
RES10 Improving energy statistics	IG	2026	5,863 mn RSD 50 mn EUR	0	0
		2027	9,380 mn RSD 80 mn EUR	0	0
		2028	8,208 mn RSD 70 mn EUR	0	0
		In total	23,451 mn RSD 200 mn EUR		

* Inv-Investment, R-Regulatory, S – Supportive (Incentive), Inf-Informative, IG – Institutional/governance, F-Financial

Table 5.3.2 shows the adopted development objectives for the renewable energy sector (RES), measures to achieve the stated objectives, indicators for monitoring implementation, indicator values in 2023, and projected values in 2026-2028. It is important to note that, as regards the projected value of the indicator describing the share of produced thermal energy from RES/waste heat in total thermal energy production, its shown growth is based on assumptions from the NECP, which include a significant increase in the use of heat pumps. Given that there is no reliable statistical data on the use of heat pumps in the Republic of Serbia, only after the implementation of the statistical research measure (Activity RES10.1) will it be possible to calculate the actual value of this indicator.

Tables 5.3.3-1 - 5.3.4-1 show the activities required for the implementation of measures RES9 and RES10.

Table 5.3.2: Objectives, measures and indicators in RES sector

Objectives		➢ Greater use of RES for electricity production	➢ Greater use of RES for heat production	➢ Greater use of RES in transport
Measures		RES1, RES2, RES3, RES4, RES9	RES5, RES10	RES6, RES7, RES8, RES10
Indicators		Share of electricity produced from RES in the total electricity production	Share of heat energy produced from RES/waste heat in total heat energy production	Share of RES in transport
Indicator value in 2023		31.75%	35.88%	0.60%
Projected indicator value	**2026**	36.7%	41.5%	2.1%
	2027	38%	41.2%	2.3%
	2028	39.8%	41.1%	2.6%

Table 5.3.3-1: Activities for implementing the measure RES9- Activity RES9.1

Activity RES9.1	Amendment of the law
Description	In 2026, it is planned to adopt Amendments and Supplements to the Law on the Use of RES, which will transpose parts of Directive (EU) 2023/2413 of the European Parliament and of the Council (RED III Directive), with a focus on the requirements of Articles 15 and 16.
Institutions responsible for the implementation of measures and activities	Ministry of Mining and Energy
Institutions responsible for monitoring implementation and reporting on the realization	Ministry of Mining and Energy
Deadline for implementation	Permanent activities (2026-2028)
Required funds and source of financing	The measure does not require special funds.
Implementation indicator	Implementation phase:
Required funds and source of financing	Drafting, proposal preparation, adoption, and approval
Impact on EE, climate, and environmental protection	The improvement of the regulatory framework through the adoption of the aforementioned and described subordinate legislation integrally contributes to the secure supply of electricity to the domestic market.

Table 5.3.3-2: Activities for implementing the measure RES9- Activity RES9.2

Activity RES9.2	Enactment of secondary legislation
Description	During 2026, subordinate legislation concerning the certification of installers of plants utilizing renewable energy sources will be enacted, in accordance with the Energy Law and Annex 4 of the RED III Directive.
Institutions responsible for the implementation of measures and activities	Ministry of Mining and Energy
Institutions responsible for monitoring implementation and reporting on the realization	Ministry of Mining and Energy
Deadline for implementation	Permanent activities (2026-2028)
Required funds and source of financing	The measure does not require special funds.
Implementation indicator	Implementation phase:
Required funds and source of financing	Drafting, proposal development, adoption, and approval
Impact on EE, climate, and environmental protection	The improvement of the regulatory framework through the adoption of the aforementioned and described subordinate legislation integrally contributes to the secure supply of electricity to the domestic market.

Table 5.3.3-3: Activities for implementing the measure RES9- Activity RES9.3

Activity RES9.3	Development of a framework for the operation of Renewable Energy Communities (RECs) and Citizen Energy Communities (CECs)
Description	The activity includes: - Amending the Decree on the Conditions of Delivery and Supply of Electricity, with a detailed definition of the procedure for obtaining status, models for the use of renewable energy sources (RES) within Citizen Energy Communities (CECs) and Renewable

	Energy Communities (RECs), and the introduction of facilitations related to system access and balancing responsibility. - Introducing the obligation for public disclosure and regular updating of maps showing available capacities for connecting facilities that produce electricity from RES, as well as a list of connection requests submitted and currently being processed by the Distribution System Operator (DSO). It is necessary to clearly distinguish between available connection capacities for large-scale generation facilities and smaller ones, e.g. those intended for self-consumption. A regulatory obligation should be established requiring the DSO to reserve a specific portion of capacity for connecting CEC and REC generation facilities, in order to promote "citizen energy." - Promoting donor activities directed toward supporting RECs and CECs.
Institutions responsible for the implementation of measures and activities	Ministry of Mining and Energy
Institutions responsible for monitoring implementation and reporting on the realization	Ministry of Mining and Energy
Deadline for implementation	2027.
Required funds and source of financing	The measure does not require special funds.
Implementation indicator	- amended Regulation on the Conditions of Delivery and Supply of Electricity; - publicly published register and map of available capacities for connection of facilities for electricity production from RES; - publicly published list of connection requests submitted and currently in procedure with the DSO; - introduced incentives related to system access and balancing responsibility for CECs and RECs; - number of registered CECs and RECs following the adoption of the amendments to the Decree.
Required funds and source of financing	A larger number of CECs and RECs, and an increased share of RES in electricity production
Impact on EE, climate, and environmental protection	The activity has a positive impact on energy efficiency, climate, and environmental protection, as it establishes a regulatory framework that enables local production and consumption of renewable energy, which in turn reduces the load on the electricity distribution network, decreases distribution losses, and leads to lower emissions of pollutants and greenhouse gases from thermal power generation facilities.

Table 5.3.4-1: Activities for implementing the measure RES10- Activity RES10.1

Activity RES10.1	Research on the use of RES for heating, cooling, and in transport
Description	Considering the crucial need to monitor the achievement of RES share targets for heating, cooling, and transport, it is necessary step to establish a comprehensive system for statistical monitoring of RES utilization (including biomass, solar thermal, and geothermal energy) across households, the public and commercial sectors, and agriculture, as well as the deployment of heat pumps for heating and cooling purposes in all consumption sectors. The research would be cooperated by Ministry of Mining and Energy and Statistical Office of the Republic of Serbia, following the methodology of the household biomass consumption survey carried out in 2021. A pilot study would be conducted in 2027, followed by the first regular study in 2028. After that, the dynamics of further research would be determined. It is also necessary to consider possibilities for specific statistical monitoring and reporting on biofuel consumption in transport according to categories.

Institutions responsible for the implementation of measures and activities	Statistical Office of the Republic of Serbia
Institutions responsible for monitoring implementation and reporting on the realization	Ministry of Mining and Energy
Deadline for implementation	2028.
Required funds and source of financing (in thousands of RSD)	23,450 (0.2 million EUR)
Planned investments for 2026. (in thousands of RSD)	5,863 (budget of RS)
Planned investments for 2027. (in thousands of RSD)	9,380 (budget RS)
Planned investments for 2028. (in thousands of RSD)	8,208 (budget of RS)
Implementation indicator	Preparation of statistical research, Pilot research, Regular research
Required funds and source of financing	Research is necessary for monitoring the achievement of goals in the RES sector.
Impact on EE, climate, and environmental protection	No direct impact

5.4. Energy Efficiency

The primary strategic objective in energy efficiency is to increase energy efficiency across all energy consumption sectors. When it comes to the general priorities of energy development and the principles on which the energy policy of the Republic of Serbia is developed, the role of energy efficiency is, first of all, to contribute to the decarbonization of the energy sector, security of energy supply, increasing the competitiveness of the economy, and reducing energy poverty.

The Strategy defines ten sectoral measures that contribute to the strategic objective:

EE1 Financial incentives aimed at increasing energy efficiency in all energy consumption sectors;

EE2 Continuous improvement of the regulatory framework and its compliance with EU regulations regarding energy efficiency;

EE3 Strengthening the capacity of all institutions involved in the implementation of energy efficiency policies;

EE4 Improving regulations related to the energy performance of buildings;

EE5 Implementation of "green procurement" that sets requirements for energy efficiency in the public and commercial sectors;

EE6 Application of energy management system in the industrial energy, public energy, and buildings;

EE7 Compliance with new EU vehicle emissions standards and transition to more efficient vehicles;

EE8 Improvement of the system for monitoring and tracking consumption and final energy savings;

EE9 Informing and educating the public;

EE10 Implementation of energy audits and energy efficiency measures.

During the relevant time frame, 2026-2028, all the aforementioned measures are planned to be implemented.

The objective of **the EE1 measure** is to increase investments in technical energy efficiency measures in energy consumption sectors. Most activities focus on incentives in the building sector, which should dominantly impact energy efficiency in households and the public and commercial sectors. The following most significant incentive projects are identified:

EE1.1 Energy renovation of residential, multi-family buildings connected to a district heating system - Public ESCO Project;
EE1.2 Clean energy and energy efficiency for citizens;
EE1.3 Low-carbon plants phase 2;
EE1.4 National program for the energy renovation of public buildings in local self-government units and city municipalities 2024;
EE1.5 National program for the installation of solar panels and accompanying installations for the production of electricity for own needs in facilities of public importance in local government units, as well as city municipalities 2024;
EE1.6 National program for energy renovation of public buildings in local government units, as well as city municipalities in 2026-2028;
EE1.7 Energy efficiency in public buildings and renewable energy sources in the district heating sector (Greening the public sector) – Rehabilitation of the Military Medical Academy;
EE1.8 Energy efficiency in central government buildings;
EE1.9 Thermal rehabilitation of facilities – Institute of Sport and Sports Medicine of the Republic of Serbia (SRC Košutnjak);
EE1.10 Thermal rehabilitation of facilities – Serbian Ministry of Internal Affairs Building – Novi Sad;
EE1.11 IPARD III Programme for the Republic of Serbia for 2021-2027, Support Schemes for Encouraging Energy Efficiency in the Agricultural Sector;
EE1.12 Project to improve the energy efficiency of public buildings in the Autonomous Province of Vojvodina;
EE1.13 Increasing energy efficiency in public buildings;
EE1.14 Rehabilitation of district heating systems in Serbia KFW – Phase V;
EE1.15 Integration of renewable energy from solar thermal sources and heat pumps into the district heating system in Novi Sad;
EE1.16 Renewable energy sources in district heating systems in Serbia – phase I;
EE1.17 Biomass market development in the Republic of Serbia;
EE1.18 Decarbonization of district heating (DDH).

Activities EE1.1-EE1.10 are projects implemented by the Ministry of Mining and Energy, except for project EE1.3, which is financed through banks, with the Ministry as the institutional partner. The Ministry of Agriculture, Forestry, and Water Management is responsible for activity EE1.11. Activities EE1.12 and EE1.13 are under the jurisdiction of the Provincial Secretariat for Energy, Construction, and Transport. Activities EE1.14-EE1.18 are projects prepared and implemented by the Ministry of Mining and Energy, and they primarily relate to the thermal energy sector. More details on these projects can be found in Chapter 5.2.

The total value of investments for this measure amounts to approximately 191.2 billion dinars, including the previously mentioned projects in the thermal energy sector (or 125.9 billion RSD without them).

The objective of **the EE2 measure** is to align domestic energy efficiency regulations with relevant EU regulations. The Ministry of Mining and Energy is continuously implementing this measure, and its costs are included in the regular budget for the Energy Efficiency Department within the Ministry. During 2026-2028, regulations on eco-design and energy labeling will be gradually adopted. Amendments and additions to the Law on Energy Efficiency and Rational Use of Energy are anticipated by the end of 2026. Afterward, the

plan is to transpose the new European Energy Efficiency Directive (EU) 2023/1791 during 2027-2028.

The EE3 measure aims to strengthen the capacity of institutions that implement and monitor energy efficiency measures. It is planned to establish a working body that will implement the principle "Energy Efficiency First". This working body should be composed of representatives of different ministries, who would monitor and supervise large capital projects in the Republic of Serbia, with respect to the aforementioned principle, which emphasizes the implementation of energy-saving solutions and prioritizes energy efficiency measures as the first step in addressing energy needs.

The objective of **the EE4 measure** is further improvement of the legislative framework and regulations relating to energy efficiency in buildings, aligning them with relevant EU directives. This measure falls entirely under the jurisdiction of the Ministry of Construction, Transport and Infrastructure.

The objective of **the EE5 measure** is to ensure that, in public procurement, when ordering certain categories of goods, works and services, certain environmental parameters are taken into account as one of the criteria for awarding contracts, in addition to price and quality, in accordance with the Law on Public Procurement (Official Gazette of the Republic of Serbia, No. 91/19 and 92/23). Environmental aspects, such as the life cycle of products, maintenance costs, water and electricity consumption, as well as the recycling of goods, should have an impact on the selection of bids.

The objective of **the EE6 measure** is to increase energy efficiency and reduce emissions of harmful gases by implementing the energy management system in industrial energy, public energy, and buildings. Within the framework of this measure, in the observed period until 2028, the project is being implemented:

EE6.1 Improving the energy management system to increase investments in energy efficiency of public buildings in Serbia.
The value of the project is 149.4 million RSD.

It is important to note that in May 2025, the Faculty of Mechanical Engineering of the University of Belgrade began training energy advisors, who will conduct energy audits, by the Law on Energy Efficiency and Rational Use of Energy. Consequently, in the coming years, especially during 2027 and 2028, wider use of these audits should be expected.

The objective of **the EE7 measure** is to comply with the new EU standards regarding vehicle emissions and to switch to more efficient vehicles. The Ministry of Internal and Foreign Trade and the Ministry of Construction, Transport, and Infrastructure are responsible for these standards. Incentive measures for the switch to more efficient and environmentally friendly vehicles have, until now, been under the responsibility of the Ministry of Environmental Protection.

The objective of **the EE8 measure** is to improve the existing systems for monitoring and tracking final energy consumption and savings. The monitoring is continuously carried out through all projects in the energy efficiency sector that are under the responsibility of the Ministry of Mining and Energy. In the coming period, the implementation of a new, more technologically advanced system should be expected, with more complex databases.

The objective of **the EE9 measure** is to inform and educate the public, in order to influence general awareness on the issue of decarbonization and energy saving. This measure primarily includes activities on projects aimed at households and public buildings, but also in agriculture and the thermal energy sector. In other words, this measure includes all projects from the EE1 and EE6 measures.

The investment value for this measure is approximately 191.4 billion RSD (already included in the investment values of the EE1 and EE6 measures), including the previously mentioned projects from the thermal energy sector.

The objective of **the EE10 measure** is to improve energy efficiency, reduce losses, etc., primarily among energy management system taxpayers and large enterprises, as well as in

the public sector, through the implementation of energy audits and energy efficiency measures. Within this measure, several activities, or projects, are planned, which mostly overlap with activities within other energy efficiency measures. These are:

EE10.1 National program for the energy renovation of public buildings in local self-government units and city municipalities 2024. The identical activity as EE1.4 and EE9.4;

EE10.2 National program for energy renovation of public buildings in local government units, as well as city municipalities in 2026-2028. The identical activity as EE1.6 and EE9.6;

EE10.3 Energy efficiency in public buildings and renewable energy sources in the district heating sector ("Greening the public sector") – Rehabilitation of the Military Medical Academy. The identical activity as EE1.7 and EE9.7;

EE10.4 Energy efficiency in central government buildings. The identical activity as EE1.8 and EE9.8;

EE10.5 Thermal rehabilitation of facilities – Institute of Sport and Sports Medicine of the Republic of Serbia (SRC Košutnjak). The identical activity as EE1.9 and EE9.9;

EE10.6 Thermal rehabilitation of facilities – Serbian Ministry of Internal Affairs Building – Novi Sad. The identical activity as EE1.10 and EE9.10;

EE10.7 Improving the energy management system to increase investments in energy efficiency of public buildings in Serbia. The identical activity as EE6.1 and EE9.19.

The investment value for this measure is approximately 21.4 billion RSD (already included in the investment values of the EE1 and EE6 measures).

A recapitulation of the above measures with investment values and sources of financing is presented in Table 5.4.1.

Table 5.4.1: Energy efficiency measures[23,24,25,26]

Name	Type*	Investment value			
		Year	Budget RS	Own funds	Other sources
EE1 Financial incentives aimed at increasing energy efficiency in all energy consumption sectors	S F	2026	439 mn. RSD 3.7 mn. EUR	0	3,624 mn. RSD 30.91 mn. EUR
			439 mn. RSD 3.7 mn. EUR	0	2,768 mn. RSD 23.6 mn. EUR
		2027	1.003 mn. RSD 8.6 mn. EUR	0	15,290 mn. RSD 130.4 mn. EUR
			1.003 mn. RSD 8.6 mn. EUR	0	6,713 mn. RSD 57.3 mn. EUR
		2028	877 mn. RSD 7.5 mn. EUR	0	19,129 mn. RSD 163.1 mn. EUR
			877 mn. RSD 7.5 mn. EUR	0	9,030 mn. RSD 77.0 mn. EUR
EE6 Application of energy management system in the industrial energy, public energy, and buildings	Inv Reg Inf	2026	0	0	15 mn. RSD 0.13 mn. EUR
		2027	0	0	0
		2028	0	0	0
EE9 Informing and educating the public	Inf	2026	*439 mn. RSD* *3.7 mn. EUR*	*0*	*3,639 mn. RSD* *31.03 mn. EUR*
			439 mn. RSD *3.7 mn. EUR*	*0*	*2,783 mn. RSD* *23.7 mn. EUR*

[23] The table does not include projects, i.e., investments for which the Ministry of Mining and Energy is not responsible.
[24] The table includes only those projects for which funding by year was known.
[25] Values marked in gray are those that are also covered by measures from the thermal energy sector.
[26] Values that are also included in the EE1 measure are marked in italics.

		2027	*1.003 mn. RSD* *8.6 mn. EUR*	*0*	*15,290 mn. RSD* *130.4 mn. EUR*
			1.003 mn. RSD *8.6 mn. EUR*	*0*	*6,713 mn. RSD* *57.3 mn. EUR*
		2028	*877 mn. RSD* *7.5 mn. EUR*	*0*	*19,129 mn. RSD* *163,1 mn. EUR*
			877 mn. RSD *7.5 mn. EUR*	*0*	*9,030 mn. RSD* *77.0 mn. EUR*
EE10 Implementation of energy audits and energy efficiency measures	Inv	2026	*377 mn. RSD* *3.2 mn. EUR*	*0*	*1,319 mn. RSD* *11.3 mn. EUR*
		2027	*377 mn. RSD* *3.2 mn. EUR*	*0*	*2,255 mn. RSD* *19.2 mn. EUR*
		2028	*377 mn. RSD* *3.2 mn. EUR*	*0*	*3,632 mn. RSD* *31.0 mn. EUR*
In total			2,319 mn. RSD 19.8 mn. EUR	0	38,058 mn. RSD 324.6 mn. EUR
			2,319 mn. RSD 19.8 mn. EUR	0	18,526 mn. RSD 158.0 mn. EUR
			40,377 mn. RSD 344.4 mn. EUR		
			20,845 mn. RSD 177.8 mn. EUR		

* Inv-Investment, R-Regulatory, S – Supportive (Incentive), Inf-Informative, IG – Institutional/governance, F-Financial

Table 5.4.2 shows the adopted objective for the energy efficiency sector, measures to achieve it, indicators for the implementation monitoring, the indicator value in 2023, and projected values for 2026-2028. Tables 5.4.3-5.4.8 show the activities required for the implementation of each measure.

Table 5.4.2: Objectives, measures, and indicators in the energy efficiency sector

Objectives		➢ Improving energy efficiency in all energy consumption sectors
Measures		EE1, EE2, EE3, EE4, EE5, EE6, EE7, EE8, EE9, EE10
Indicators		Primary energy consumption (per capita) Final energy consumption (per capita)
Value in 2023		Primary energy consumption: 15,411 thousand toe (2,326.83 kg en/capita) Final energy consumption for energy purposes: 9,303 thousand toe (1,404.61 kg en/capita)
Projected value of the indicator	**2026**	Primary energy consumption: 15,088 thousand toe (2,327.41 kg en/capita) Final energy consumption for energy purposes: 9,335 thousand toe (1,439.98 kg en/capita)
	2027	Primary energy consumption: 15.112 thousand toe (2.347,57 kg en/capita) Final energy consumption for energy purposes: 9.407 thousand toe (1.461,33 kg en/capita)
	2028	Primary energy consumption: 15.059 thousand toe (2.356,67 kg en/capita) Final energy consumption for energy purposes: 9.493 thousand toe (1.485,61 kg en/capita)

Table 5.4.3-1: Activity for the implementation of the measure EE1 - Activity EE1.1/9.1

Activity EE1.1/9.1	Energy renovation of residential, multi-family buildings connected to the district heating system – Public ESCO Project
Description	The project aims to improve energy efficiency in residential multi-family buildings connected to the district heating systems and transition to billing according to heat energy consumption. The EBRD plans to provide grant funds for the further development of the Project, preparation of energy efficiency reports and relevant studies, financing of construction supervision, support for the Project implementation, and investment grants in the amount of up to 20%. The Ministry of Mining and Energy (MoME) and the Ministry of Finance (MoF) have agreed that the Republic of Serbia (RS) will allocate 30% of the investment value to end users as a grant. The aforementioned ultimately provides a 50% investment grant for citizens/residential communities (20% EBRD and 30% RS), while 50% of citizens' investment would be recovered through heating bills over a period that will ensure that the heating expenses of those citizens do not increase. It is expected that the implementation of energy efficiency measures will enable heating energy savings of more than 35 percent (with additional energy savings for cooling during the summer), or 81,000 MWh per year, as well as a reduction in carbon dioxide emissions of 20,000 tons of CO_2 per year. In addition to reducing heating costs, the key goal of the project is to enable the transition to consumption-based billing for all consumers who currently pay for heating services at a flat rate.
Institutions responsible for the implementation of measures and activities	MoME, LSGU, heating plants
Institutions responsible for monitoring implementation and reporting on the realization	MoME, LSGU, heating plants
Deadline for implementation	The start of the energy rehabilitation is expected at the beginning of 2026, with completion by the end of 2028. Dynamics of implementation of activities by year: it will be defined after the study is completed in 2025.
Required funds and source of financing	Estimated project value (EUR): 64,500,000 Loan/grant amount: EBRD loan 50,000,000 EUR and a grant from the Swiss Confederation (SECO) of 14,500,000 EUR) Given that the implementation of this project will begin in 2026, it is necessary to establish a project under this title within the budget section of the Ministry of Mining and Energy (MRE) in the 2026 budget and allocate funds in accordance with the fiscal capacities of the Budget of the Republic of Serbia as follows: in 2026: 43,000,000 from a donation; in 2027: funds in the amount of 290,600,000 RSD from a donation and RSD 1,238,000,000 from a loan; in 2028: funds in the amount of 582,000,000 RSD from a donation and RSD 2,380,000,000 from a loan.
Impact on EE, climate, and environmental protection	The project is expected to achieve a reduction of 81 GWh in annual primary energy consumption and a decrease of 20,000 tons of CO_2 emissions per year.

Table 5.4.3-2: Activity for the implementation of the measure EE1 - Activity EE1.2/9.2

Activity EE1.2/9.2	Clean energy and energy efficiency for citizens
Description	The main activity is the implementation of public calls for local self-government units for the allocation of subsidies for the implementation of energy efficiency measures at the local level, support and monitoring of activity implementation at the local level, and monitoring of energy savings indicators. The implementation of the project contributes to energy savings through

	the implementation of energy renovation of households, which includes replacing windows, installing insulation on roofs and walls, as well as replacing heating systems with more efficient ones (gas and pellet boilers as well as heat pumps), installation of solar collectors for heating sanitary hot water, as well as encouraging the production of electricity from renewable energy sources through subsidies for the construction of solar rooftop power plants with a maximum power of 10.8 kW.
Institutions responsible for the implementation of measures and activities	The World Bank, Ministry of Mining and Energy, and local government units
Institutions responsible for monitoring implementation and reporting on the realization	Ministry of Mining and Energy, LSGU
Deadline for implementation	The project implementation period is from December 21, 2022, to November 2027. Implementation dynamics: one public call per year, up to 25,000 households per public call
Required funds and source of financing	Estimated project value: The estimated value of the project is approximately EUR 45 million grant (MoME 25%), LSGU should allocate EUR 45 million (25%) from their own budgets, while citizens participate with an amount of around EUR 90 million (50%), which amounts to a total of around EUR 180 million. Loan/grant amount: The loan/grant amount is EUR 44.9 million. So far, five tranches have been disbursed, totaling EUR 14.8 million. The contracted obligations to be paid under the 2024 Agreements with LSGU amount to EUR 7.6 million, which is approximately RSD 900 million. In May 2025, a new public call for LSGU was completed, and the funds under the contracts for this new public call would amount to approximately RSD 1.5 billion, or around EUR 12 million.
2026	1,193,800,000 RSD (10,181,663 EUR) loan
2027	1,593,800,000 RSD (13,593,177 EUR) loan
2028	1,593,800,000 RSD (13,593,177 EUR) loan
Impact of the activity on the achievement of the objective	Under the 2023 public call, the target of 10,000 households per year) was exceeded, reaching a total of 11,020. Following a public call from 2024, implementation is underway; so far, data on achieved savings have been collected for over 1,000 households.
Impact on EE, climate, and environmental protection	Annual savings of delivered energy (GWh/a) 195 Total savings of delivered energy (GWh) 2,931 Annual savings of primary energy (GWh/a) 232 Total savings of primary energy (GWh) 3,487 Energy produced from renewable sources (GWh/a) 14 Installed capacity of renewable energy sources (MW) 15 Annual reduction of CO_2 emissions (t/a) 37,723 Total reduction of CO_2 emissions (t) 565,855

Table 5.4.3-3: Activity for the implementation of the measure EE1 - Activity EE1.3/9.3

Activity EE1.3/9.3	Low-carbon plants Phase 2
Description	The German Development Bank (KfW), in cooperation with partner institutions, has provided funds to support decarbonization and the improvement of energy efficiency in the Republic of Serbia. The goal of the project is to enable better access to financing for energy efficiency (EE) measures and renewable energy sources (RES) for businesses (small and medium-sized enterprises), households, and municipalities. These investments are

	expected to reduce energy consumption as well as greenhouse gas emissions, thereby contributing to the fight against climate change.
Institutions responsible for the implementation of measures and activities	Technical consultant on the project, KfW
Institutions responsible for monitoring implementation and reporting on the realization	MoME, Technical consultant on the project, KfW
Deadline for implementation	Deadline for implementation: (December) 2027
Required funds and source of financing	The total value of the project is EUR 50 million, provided by the German Development Bank (KfW), and is intended to be allocated among three partner institutions. UniCredit Bank is the first signatory, with a contract valued at EUR 7 million. The grant amounts to 7.142% for each investment. The grant amount is determined at the level of the partner institution and may therefore vary for other signatories of the agreement.
Impact of the activity on the achievement of the objective	Activity contributes to the objective.
Impact on EE, climate, and environmental protection	Energy savings during phase 1 of the Low-carbon facilities project amounted to approximately 36,000 MWh per year, while greenhouse gas emission reductions totaled 20,500 tons annually. As both phases have been provided with the same amount of funding (EUR 50 million), similar levels of savings can be expected. The project does not support investments with a high negative impact or risks to the environment and society, and seeks to contribute positively to environmental protection. By implementing more efficient industrial facilities, a significant contribution is expected toward decarbonization and the objectives set out in the Integrated National Energy and Climate Plan (INECP).

Table 5.4.3-4: Activity for the implementation of the measure EE1 - Activity EE1.4/9.4/10.1

Activity EE1.4/9.4/10.1	National program for the energy renovation of public buildings in local self-government units and city municipalities 2024
Description	The public call in 2024 covered 15 schools (13 primary and 2 secondary), 6 administrative buildings (municipal buildings), 5 kindergartens, 3 faculty buildings, 3 buildings and facilities for communal activities, 2 Cultural Center facilities, 1 indoor swimming pool in Obrenovac, 1 health center, 1 library, 1 tourist area, 1 children's resort and 3 public lighting projects throughout Serbia. Measures financed under the program include a combination of building envelope improvements (replacement of facade joinery, installation of thermal insulation on exterior walls, roofs, attics, etc.) and enhancements of thermal-technical systems (replacement of existing boilers with more efficient ones—using biomass or gas—or installation of new boilers, replacement or installation of new piping networks and heating units, etc.).
Institutions responsible for the implementation of measures and activities	Directorate for EE, LSGU
Institutions responsible for monitoring implementation and reporting on the realization	Directorate for EE, LSGU
Deadline for implementation	
Required funds and source of financing	The total value of the project according to signed contracts with 42 LSGU is 1,288,867,597.06 dinars (Directorate: 799,996,943.60 dinars (62.06%), LSGU: 488,870,653.46 dinars (37.94%). The call has been financially implemented, and no additional funds are requested from the budget of the Republic of Serbia.
Implementation indicator	LGSUs are required to regularly submit monthly progress reports on the project implementation to the Directorate throughout the

	project duration, and upon completion, they must provide a final (financial and narrative) report. Field visits by employees from the Directorate.
Impact of the activity on the achievement of the objective	The primary goal of the project is to improve energy efficiency in public buildings while reducing energy costs and CO_2 emissions.
Impact on EE, climate, and environmental protection	The implementation of this project is expected to save approximately 9 million kWh annually (rough estimate), with a reduction of around 5,500 tons of CO_2 emissions per year.

Table 5.4.3-5: Activity for the implementation of the measure EE1 - Activity EE1.5/9.5

Activity EE1.5/9.5	National program for the installation of solar panels and associated equipment for electricity generation for own use in public buildings within local self-government units, as well as city municipalities, 2024
Description	The Directorate for Financing and Promotion of Energy Efficiency, an entity within the Ministry of Mining and Energy, annually issues a Public call for the allocation of funds to finance projects involving the installation of solar panels and related equipment for the self-generation of electricity in public buildings within local self-government units and city municipalities. Through the 2024 Public call, funding was awarded to 11 primary schools, 4 kindergartens or preschool institutions, 4 sports halls, 4 utility company facilities, 3 administrative buildings, 2 sports swimming pool complexes, 1 building of the Center for Social Work in Leskovac, and 1 building of the Nature Center.
Institutions responsible for the implementation of measures and activities	Directorate for EE, LSGUs
Institutions responsible for monitoring implementation and reporting on the realization	Directorate for EE, LSGUs
Deadline for implementation	
Required funds and source of financing	The total value of the project according to signed contracts with 30 LSGUs is 195,309,301.55 dinars (Directorate: 168,013,534.64 dinars (86%), LSGUs: 27,295,767.00 dinars (14%). The call has been financially implemented, and no additional funds are requested from the budget of the Republic of Serbia
Implementation indicator	LGSUs are required to regularly submit monthly progress reports on the project implementation to the Directorate throughout the project duration, and upon completion, they must provide a final (financial and narrative) report.
Impact of the activity on the achievement of the objective	The implementation of the project will contribute to improving the security of energy supply and reducing the impact of the energy sector on the environment and climate change. Field visits by employees from the Directorate.
Impact on EE, climate, and environmental protection	The implementation of this project will result in the generation of 1,101 kW of energy from RES.

Table 5.4.3-6: Activity for the implementation of the measure EE1 - Activity EE1.6/9.6/10.2

Activity EE1.6/9.6/10.2	National program for energy renovation of public buildings in local government units, as well as city municipalities, in 2026-2028
Description	Measures financed under the project include a combination of thermal envelope improvements (replacement of facade joinery, installation of thermal insulation on external walls, roofs, attics, etc.) and enhancements of thermal-technical systems (replacement of existing boilers with more efficient ones—biomass or gas—or installation of new boilers, replacement or installation of new piping networks and heating devices, installation of circulation pumps and thermostatic valves, installation of heat pumps, replacement or installation of new efficient air conditioning or

	ventilation systems, equipment for remote control and automatic regulation of thermal-technical systems, replacement or installation of new central hot water preparation systems), installation of solar panels and associated equipment for electricity generation, etc. he Directorate's participation amounts to 70% of the total project value, while the LGSU contribute 30%. LGSUs could receive 100% of the incentive funds.
Institutions responsible for the implementation of measures and activities	Directorate for EE, LSGUs
Institutions responsible for monitoring implementation and reporting on the realization	Directorate for EE, LSGU
Deadline for implementation	The deadline for completion of work under this program is one year from the date of conclusion of the contract.
Required funds and source of financing	Budget of the Republic of Serbia The call for 2025 has been financially completed, and no additional funding is required. For 2026, 2027, and 2028, annual funding in the amount of 377,349,000 RSD is planned from the budget of the Republic of Serbia.
Implementation indicator	LGSUs are required to regularly submit monthly progress reports on the project implementation to the Directorate throughout the project duration, and upon completion, they must provide a final (financial and narrative) report. Site visits by employees from the Directorate.
Impact of the activity on the achievement of the objective	The main goal of the project is to improve energy efficiency in public buildings while reducing energy costs and CO_2 emissions.
Impact on EE, climate, and environmental protection	Positive

Table 5.4.3-7: Activity for the implementation of the measure EE1 - Activity EE1.7/9.7/10

Activity EE1.7/9.7/10.3	Energy efficiency in public buildings and renewable energy sources in the district heating sector ("Greening the public sector") – Rehabilitation of the Military Medical Academy
Description	At the meeting of the Project implementation unit, representatives of the Military Medical Academy (Serbian *Vojnomedicinska akademija*, acronym VMA), the MoD, and the MoME agreed and adopted the proposed measures as well as the general strategy for the approach to design and implementation, which processes will be carried out simultaneously between the following phases: - First phase: Quick measures; - Second phase: High part of the building (Tower from 6th to 15th floor); - Third phase: The rest of the building. The proposed set of measures, along with indicative deadlines for design and phased implementation, was submitted to the consultant as an instruction for project implementation, taking into consideration the project's limitations. Based on this instruction, the Consultant is obliged to finalize the Project Implementation Plan (including the Design Terms of Reference) as the basis for the commencement of design.
Implementation phase	The finalization of the project concept is underway.
Institutions responsible for the implementation of measures and activities	MoME
Institutions responsible for monitoring implementation and reporting on the realization	MoME
Deadline for implementation	According to the decision of the Project Implementation Unit, works on the first phase are expected to begin in early 2026, and

	completion is expected by the end of 2027. Work on the second phase is expected to begin in early 2027, with completion expected in mid-2028. The dynamics of the third phase will largely depend on the implementation of the previous two, which, from today's planning perspective, is expected in 2029-2031.
Required funds and source of financing	The Ministry of Mining and Energy signed a loan agreement with the German development bank KfW of EUR 50,000,000 in December 2020, and in March 2021, a WBIF grant agreement for EUR 5,000,000 was signed for consultancy and expert services, along with a Special Agreement that further explains the implementation of both financial agreements (the Loan Agreement and the Grant Agreement). 721,155,000 RSD (6,150,576 EUR), loan, donations 1,658,341,000 RSD (14,143,633 EUR), loan, donations 3,632,468,000 RSD (30,980,537 EUR), loan, donations
Implementation indicator	Indicator 1: Energy renovation of the VMA leads to savings in annual energy consumption Initial value (based on demand and consumption): 115,320,000 kWh/year (consumption calculation) Target: 66,335,000 kWh/year (reduction of at least 35%) Indicator 2: Installed capacity of renewable energy sources Initial value: 0 Target: 200 kW Indicator 3: Reduction of annual greenhouse gas emissions (CO_2 equivalent) in VMA Initial value: 48,073 t CO_2e /year Target: 30,066 CO2e /year Indicator 4: population that benefits from the Project Initial value: about 458,000 patients Target: about 550,000 patients (an increase of about 20%) Indicator 5: The lifespan of the VMA buildings has been extended by 30 years after the completion of the works. Initial value: 0 Target: 30 years Indicator 6: Conditions in the hospital have improved after the completion of the work. Initial value: not yet determined Target: 80% of respondents reported being satisfied with hospital care and working conditions, and Serbian/European hospital standards are applied in 100% of the rehabilitated environments. Indicator 7: Increase in the average occupancy rate of VMA hospitals Initial value: about 72% Target: about 85% (increase of 13 percent) Measurement of the project's goal fulfillment through the specified indicators will only be possible from 2028, when the expected completion of the first phase of works is scheduled.
Impact of the activity on the achievement of the objective	The energy renovation of the VMA leads to savings in annual energy consumption of 66,335,000 kWh/year (a reduction of at least 35%).
Impact on EE, climate, and environmental protection	Annual reduction in greenhouse gas emissions 30,066 CO2e /year.

Table 5.4.3-8: Activity for the implementation of the measure EE1 - Activity EE1.8/9.8/10.4

Activity EE1.8/9.8/10.4	Energy efficiency in central government buildings
Description	The Ministry of Mining and Energy has launched the project 'Energy Efficiency in Central Government Buildings (EECG Project)' aimed at implementing energy rehabilitation of central government buildings. The EECG Project includes improving the

	energy efficiency of 26 out of a total of 56 central government buildings (CGB). In these central government buildings, energy renovation will be carried out through the reconstruction of the thermal envelope (replacement of joinery and installation of insulation), reconstruction of the heating system, reconstruction of the cooling and ventilation system in buildings where it exists, as well as the installation of energy-efficient interior lighting, which will achieve energy savings in these buildings of about 30%.
Institutions responsible for the implementation of measures and activities	The Ministry of Mining and Energy of the Republic of Serbia (MoME), in partnership with the Development Bank of the Council of Europe and in close cooperation with the United Nations Development Programme (UNDP) as well as the Directorate for Joint Affairs of Republic Authorities (DJARA), is implementing the project "Energy Efficiency in Central Government Buildings" (EECG) and the renovation of CGB.
Institutions responsible for monitoring implementation and reporting on the realization	UNDP and MoME
Deadline for implementation	Project implementation start: 2022 Completion of project implementation: 2028
Required funds and source of financing	During 2024, the Ministry's internal capacities estimated that the value of the project would be approximately EUR 80,000,000.00. • Framework Loan Agreement between the Council of Europe Development Bank (CEB) and the Republic of Serbia, of EUR 40,000,000.00; • Agreement on a donation from the Western Balkans Investment Framework (WBiF) funds (EUR 300,000.00), which have been used; • Donation Agreement from the funds of the Slovak Inclusive Growth Account (SIGA) (EUR 400,000.00) and the Spanish Social Cohesion Account (SCA) (EUR 200,000.00), which have been used; • UNDP has provided a grant of USD 120,000.00. The total loan amount is EUR 40,000,000.00, with the obligation of the Republic of Serbia to provide 10% of the loan amount from its budget. The total grant amount is EUR 1,020,000.00.
2026	582,905,000 RSD (4,971,471 EUR), loan
2027	597,106,000 RSD (5,092,588 EUR), loan
2028	-
Implementation indicator	Number of renovated central government buildings, m² renovated.
Impact of the activity on the achievement of the objective	Activity contributes to the objective.
Impact on EE, climate, and environmental protection	At the level of the entire project, annual energy savings of 22 GWh are expected, with an annual reduction in CO_2 emissions of 7,350 tons.

Table 5.4.3-9: Activity for the implementation of the measure EE1 - Activity EE1.9/9.9/10.5

Activity EE1.9/9.9/10.5	Thermal rehabilitation of facilities – Institute of Sport and Sports Medicine of the Republic of Serbia (SRC Košutnjak)
Description	The SRC Košutnjak building shows a clear lack of thermal insulation, especially in critical areas such as facade walls, ceilings, and slabs above basement rooms. This lack of proper insulation leads to significant energy inefficiency, resulting in higher heating and cooling needs, increased utility costs, and reduced user comfort. These problems highlight the need for urgent intervention to improve the building's thermal performance and bring it into line with modern energy efficiency standards.

Institutions responsible for the implementation of measures and activities	MoME, Ministry of Youth and Sports, Ministry of Finance – CFCA, SRC Košutnjak
Institutions responsible for monitoring implementation and reporting on the realization	SRC Košutnjak, Ministry of Youth and Sports, Ministry of Finance – CFCA, MoME
Deadline for implementation	The start of implementation is scheduled for the end of 2026. The entire project cycle is estimated to last up to 30 months. This includes all phases of procurement, planning, design, and execution of works.
Required funds and source of financing	The estimated investment value of the project is EUR 4,724,500 (EU: EUR 3,402,000; RS: EUR 1,322,500). The implementation is within the framework of the Operational Programme for Window 3 - IPA 2024-2027.
2026	budget: 61,440,000 RSD (524,009 EUR) loan/donations: 227,550,000 RSD (1,940,725 EUR)
2027	budget: 626,000,000 RSD (5,339,019 EUR) loan/donations: 1,334,716,000 RSD (11,383,505 EUR)
2028	budget: 499,370,000 RSD (4,259,019 EUR) loan/donations: 841,932,000 RSD (7,180,657 EUR)
Implementation indicator	The energy renovation of the SRC "Košutnjak" leads to savings in annual energy consumption and utility costs, and increases the comfort of users of the center's premises.
Impact of the activity on the achievement of the objective	Energy-efficient buildings use less energy for heating, cooling, and lighting, thereby reducing reliance on imported fossil fuels. Reducing energy consumption contributes to Serbia's energy independence and increases resilience to energy price fluctuations.
Impact on EE, climate, and environmental protection	Improving the energy efficiency of public buildings typically includes upgrading insulation, windows, and doors, as well as installing energy-efficient lighting and HVAC systems. These measures significantly reduce energy consumption and greenhouse gas (GHG) emissions. In the case of SRC Košutnjak, improving the efficiency of the central heating and cooling system does not require replacing the existing heat source, but requires upgrading the installations and increasing the efficiency of the gas heat generator. During the renovation phase, primary environmental concerns include managing construction waste, minimizing air and noise pollution, and ensuring sustainable procurement of materials.

Table 5.4.3-10: Activity for the implementation of the measure EE1 - Activity EE1.10/9.10/10.6

Activity EE1.10/9.10/10.6	Thermal rehabilitation of facilities – Serbian Ministry of Internal Affairs Building – Novi Sad
Description	The project aims to significantly improve the energy performance of public buildings, particularly focusing on the facilities of the MoI in Novi Sad. The improvements are expected to increase the net area of public buildings with improved energy performance, which will be facilitated by the assistance provided. Achievements in energy efficiency will be quantified by an upgrade to energy class "C" or at least two energy classes, as confirmed by Energy Performance Certificates (EPC) in accordance with national standards defined by Directive 2010/31/EU. The focus will be on the least energy-efficient buildings, where significant energy savings can be achieved, thereby contributing to a substantial reduction in greenhouse gas (GHG) emissions. This targeted approach ensures that energy efficiency upgrades will not only promote environmental sustainability but also deliver tangible economic benefits by reducing operational costs and improving the overall functionality of public sector assets.
Institutions responsible for the implementation of measures and activities	MoME, MoI of Serbia, Ministry of Finance – CFCA, City of Novi Sad

Institutions responsible for monitoring implementation and reporting on the realization	Property Administration of the City of Novi Sad, MoI of Serbia, Ministry of Finance – CFCA, MoME.
Deadline for implementation	The start of implementation is scheduled for the end of 2026. The entire project cycle is estimated to last up to 24 months. This includes all phases of procurement, planning, design, and execution of works.
Required funds and source of financing	The estimated investment value of the project is EUR 5,017,000 (EU: EUR 3,752,000; RS: EUR 1,265,000). The implementation is within the framework of the Operational Program for Window 3 - IPA 2024-2027. For the implementation of this project, it is not necessary to allocate funds from the budget of the Republic of Serbia under Section 15 – Ministry of Internal Affairs.
Implementation indicator	The energy rehabilitation of the MoI buildings in Novi Sad leads to savings in annual energy consumption and utility costs, while increasing the comfort of the users of the center's premises.
Impact of the activity on the achievement of the objective	Energy-efficient buildings use less energy for heating, cooling, and lighting, thereby reducing reliance on imported fossil fuels. Reducing energy consumption contributes to Serbia's energy independence and increases resilience to energy price fluctuations.
Impact on EE, climate, and environmental protection	Reducing pollutants in the air (as well as GHG emissions) through the renovation of public buildings to make them more energy efficient, the improvement of energy efficiency policies and measures that promote eco-design, and the replacement of other energy-related products in buildings with more efficient and less polluting ones.

Table 5.4.3-11: Activity for the implementation of the measure EE1 - Activity EE1.11/9.11

Activity EE1.11/9.11	IPARD III Program for the Republic of Serbia in 2021 – 2027
Activity (measure from INECP)	PM_EE24, Support schemes for the promotion of energy efficiency in the agricultural sector
Description	Implementation of the IPARD III program measures aimed at supporting investments in renewable energy sources.
Institutions responsible for the implementation of measures and activities	Ministry of Agriculture, Forestry and Water Management of the Republic of Serbia
Institutions responsible for monitoring implementation and reporting on the realization	Ministry of Agriculture, Forestry and Water Management of the Republic of Serbia (Department for IPARD Program Management and Agricultural Payments Administration)
Deadline for implementation (Start/planned completion and dynamics of implementation by year)	Deadline for implementation: 2030 The dynamics of publishing public calls are determined for each calendar year.
Required funds and source of financing (Estimated project value: Loan/grant amount/status of signed financing agreements)	The EU contributions within the IPARD III program amount to EUR 288 million, while including national contributions and beneficiary contributions, the total funds of the IPARD III program exceed EUR 580 million.
Implementation indicator	110 supported projects related to renewable energy sources through various support measures defined by the IPARD program
Impact of the activity on the achievement of the objective	One of the objectives of the implementation of the IPARD III program is to contribute to climate change mitigation and to promote sustainable management of natural resources. The IPARD III program measures encourage investments in renewable energy sources, which will contribute to achieving the objectives in the agriculture sector within the framework of INECP.
Impact on EE, climate, and environmental protection	All investments supported within the IPARD program, as well as all farms that have obtained the right to IPARD support, must comply with environmental protection requirements in accordance with the

	following regulation: https://pravno-informacioni-sistem.rs/eli/rep/sgrs/ministarstva/pravilnik/2019/26/2/reg

Table 5.4.3-12: Activity for the implementation of the measure EE1 - Activity EE1.12/9.12

Activity EE1.12/9.12	Increasing energy efficiency in public buildings
Project name	Project for improving the energy efficiency of public buildings in the Autonomous Province of Vojvodina
Activity (measure from INECP)	PM_EE2-Financial support for the energy renovation of public buildings
Description	The project envisions energy rehabilitation and renovation of public buildings in the Autonomous Province of Vojvodina, including administrative buildings, as well as buildings of educational, healthcare, cultural, and sports institutions. The Provincial Government, through the Provincial Secretariat for Energy, Construction, and Transport, is implementing the Project for Improving the Energy Efficiency of Public Buildings in the Autonomous Province of Vojvodina, with financial support from the European Bank for Reconstruction and Development (EBRD), the European Union, the Western Balkans Investment Framework (WBIF-REEP), and the Swedish International Development Cooperation Agency (SIDA). The first phase of the project foresees the renovation of 31 buildings. The number of buildings to undergo energy rehabilitation in the second phase has not yet been determined.
Institutions responsible for the implementation of measures and activities	Provincial Secretariat for Energy, Construction, and Transport
Institutions responsible for monitoring implementation and reporting on the realization	Provincial Secretariat for Energy, Construction, and Transport
Deadline for implementation (Start/planned completion and dynamics of implementation by year)	Project completion: December 31, 2026
Required funds and source of financing (Estimated project value: Loan/grant amount/status of signed financing agreements)	The Provincial Government is implementing the project with the support of the EBRD, through the Provincial Secretariat for Energy, Construction, and Transport. The basic information is as follows: Estimated project value: - €15,900,000.00, of which up to €14 million is planned for the investment itself. - Loan amount secured from the European Bank for Reconstruction and Development (EBRD): up to €12,000,000.00; The loan agreement was signed on December 22, 2022. - The total amount of investment grants provided by the EBRD: up to €2,000,000.00; two grant agreements have been signed, each up to €1,000,000.00, one signed on December 23, 2022, and the other on October 30, 2024. - The amount of the grant for financing supervision of works, provided by the EBRD from the European Western Balkans Joint Fund – Regional Energy Efficiency Programme for Western Balkans (REEP), up to €700,000.00; The Donation Agreement (technical assistance) was signed on April 22, 2025; Within the mentioned project, funds totaling €14,700,000.00 will be allocated to the Province from loans, investment grants, and grants for financing supervision of works. In addition to the aforementioned funds, which will be deposited into the accounts of the AP of Vojvodina, the EBRD has also provided for the implementation of the project: – a grant for financing the preliminary energy audit and Environmental & Social Due Diligence (ESDD) in the amount of

	€150,000.00 (a grant from REEP), as well as financing for consultants engaged by the Bank for project implementation in the amount of €1,050,000.00 (a REEP grant of up to €650,000.00 and a grant from the Swedish International Development Cooperation Agency (SIDA) of €400,000.00); the funds have been secured and contracts for these purposes have been signed by the EBRD
Implementation indicator	Number of renovated buildings
Impact of the activity on the achievement of the objective	Energy savings, reduction of CO_2 emissions, use of renewable energy sources (solar power plants), as well as financial effects - reduction of energy bills, which are paid from the budget
Impact on EE, climate, and environmental protection	The investment is expected to result in significant reductions in energy consumption for heating and lighting of buildings, as well as a decrease in CO_2 emissions. Additional benefits include improved heating and cooling quality, thereby enhancing comfort for users of these public buildings, as well as significant savings in the budget of the Provincial Government. The renovated buildings will also be visually improved, as most of the buildings are planned to have window and door replacements as well as new façades installed during the insulation of the external building envelope.

Table 5.4.3-13: Activity for the implementation of the measure EE1 - Activity EE1.13/9.13

Activity EE1.13/9.13	Increasing energy efficiency in public-use buildings
Project name	Increasing energy efficiency in public-use buildings
Activity (measure from INECP)	SM_EE2- Financial support for energy rehabilitation of public buildings
Description (short description with main activities)	The Provincial Secretariat for Energy, Construction, and Transport is implementing improvements in the energy efficiency of public-use buildings in the Autonomous Province of Vojvodina, in previous years as a project, and starting from 2025 as a program activity, by awarding non-refundable incentive funds for: reducing electricity consumption for public and interior lighting; improving the energy performance of buildings (through insulation of the building envelope and replacement of exterior joinery – doors and windows), and reducing energy consumption for heating and domestic hot water preparation by installing high-efficiency boilers.
Institutions responsible for the implementation of measures and activities	Provincial Secretariat for Energy, Construction, and Transport
Institutions responsible for monitoring implementation and reporting on the realization	Provincial Secretariat for Energy, Construction, and Transport
Deadline for implementation (Start/planned completion and dynamics of implementation by year)	Note: it is planned to carry out regular implementation of the program activity in the coming years, as well as in 2028.
Required funds and source of financing (Estimated project value: Loan/grant amount/status of signed financing agreements)	For 2026, the planned funds amount to 50,000,000.00 RSD. For the years after 2026, the amount is not yet known.
Implementation indicator	Number of rehabilitated facilities and measures applied to individual facilities
Impact of the activity on the achievement of the objective	Energy savings, reduction of CO_2 emissions, use of renewable energy sources (solar power plants), as well as financial effects - reduction of energy bills, which are paid from the budget
Impact on EE, climate, and environmental protection	The investment is expected to result in significant reductions in energy consumption for heating and lighting of buildings, as well as a decrease in CO_2 emissions. Additional benefits include improved heating and cooling quality, thereby enhancing comfort for users of these public buildings, as well as significant savings in the budget of the Provincial Government. The renovated buildings will also be visually improved, as most of the buildings are planned to have

	window and door replacements as well as new façades installed during the insulation of the external building envelope.
Regulations to be adopted/amended	To secure additional funds for increasing the energy efficiency of publicly significant buildings and to enable the AP of Vojvodina to apply for the public call issued by the Ministry of Mining and Energy for the allocation of funds for the implementation of energy efficiency measures in publicly significant buildings, based on the agreement between the Government of the Republic of Serbia and the Provincial Government at their joint session, it is necessary, in addition to adapting the text of the public call, to also adjust: • Rulebook on Detailed Conditions for the Distribution and Use of Funds for the Implementation of Energy Efficiency Measures ("Official Gazette of the Republic of Serbia", No. 12/2022 and 48/2024) • Regulation on the Establishment of the Program for Financing Activities and Measures for Improving Energy Efficiency in 2025 ("Official Gazette of the Republic of Serbia", No. 55/2025, 83/2025 and 106/2025).

Table 5.4.4: Other activities for the implementation of the measure EE1

Activity EE1.14/9.14/T1.10[27]	Rehabilitation of district heating systems in Serbia KFW – Phase V
Activity EE1.15/9.15/T2.1[28]	Integration of renewable energy from solar thermal sources and heat pumps into the district heating system in Novi Sad
Activity EE1.16/9.16/T2.2[29]	Renewable energy sources in district heating systems in Serbia – phase I
Activity EE1.17/9.17/T2.4/[30]	Biomass market development in the Republic of Serbia
Activity EE1.18/9.18/T2.5[31]	Decarbonization of district heating (DDH)

Table 5.4.5-1: Activity for the implementation of the measure EE6 – Activity EE6.1/9.19/10.7

Activity EE6.1/9.19/10.7	Improving the energy management system to increase investments in energy efficiency of public buildings in Serbia
Description	The objective of this project is to reduce greenhouse gas emissions through improving energy efficiency and promoting the use of renewable energy sources in public-use buildings, with a special emphasis on state-owned buildings. The project is implemented through the following activities: Activity 1: Incentive policy framework and capacity building for energy audit and energy management Activity 2: Encouraging investments in increasing EE and RES in buildings Activity 3: Monitoring, evaluation, and information to increase investment volume
Institutions responsible for the implementation of measures and activities	MoME, Faculty of Mechanical Engineering
Institutions responsible for monitoring implementation and reporting on the realization	MoME, Faculty of Mechanical Engineering
Deadline for implementation	Completion of implementation: November 30, 2026 2022: Activity 1, Activity 2, Activity 3 2026: Activity 1, Activity 2, Activity 3
Required funds and source of financing	Estimated value: USD 1,505,000.00 Grant amount: USD 1,505,000.00

[27] Activity previously described in Table 5.2.3-10
[28] Activity previously described in Table 5.2.4-1
[29] Activity previously described in Table 5.2.4-2
[30] Activity previously described in Table 5.2.4-4
[31] Activity previously described in Table 5.2.4-5

	Signed financing agreement: Improvement of the energy management system to increase investments in energy efficiency of public buildings in Serbia.
2026	15,046,000 RSD (128,324 EUR) donation
2027	-
2028	-
Implementation indicator	The cumulative number of state-owned buildings included in the energy management system.
Impact of the activity on the achievement of the objective	Activity contributes to the objective.
Impact on EE, climate, and environmental protection	1. avoided direct and indirect GHG emissions over the lifecycle (metric tons of CO_2e). Direct: 146,000 Indirect: 300,000 2. Energy savings of 2,340 TJ

Table 5.4.6: Activity for the implementation of the measure EE9

All activities that have been previously mentioned and described in measures EE1 and EE6.

Table 5.4.7-1: Activity for the implementation of the measure EE10

Activity EE1.4/9.4/10.1[32]	National program for the energy renovation of public buildings in local self-government units and city municipalities 2024
Activity EE1.6/9.6/10.2[33]	National program for energy renovation of public buildings in local government units, as well as city municipalities, in period to 2028
Activity EE1.7/9.7/10.3[34]	Energy efficiency in public buildings and renewable energy sources in the district heating sector ("Greening the public sector") – Rehabilitation of the Military Medical Academy
Activity EE1.8/9.8/10.4[35]	Energy efficiency in central government buildings
Activity EE1.9/9.9/10.5[36]	Thermal rehabilitation of facilities – Institute of Sport and Sports Medicine of the Republic of Serbia (SRC Košutnjak)
Activity EE1.10/9.10/10.6[37]	Thermal rehabilitation of facilities – Serbian Ministry of Internal Affairs Building – Novi Sad
Activity EE6.1/9.19/10.7[38]	Improving the energy management system to increase investments in energy efficiency of public buildings in Serbia

5.5. Natural Gas Sector

The strategic objectives in the natural gas sector are to secure the market's supply of the necessary quantities, diversify supply sources and routes, and develop the natural gas market.

With respect to the general objectives of energy sector development, the secure supply of the market with the required quantities and the diversification of gas sources and supply routes contribute to strengthening energy security, while the development of the natural gas market relates to enhancing the economic competitiveness of the energy sector.

The planned measures for the implementation of the strategic objectives, along with investment values and sources of financing, are presented in Table 5.5.1.

Table 5.5.1-a: Measures in the Natural Gas Sector and Corresponding Investment Values

Title	Type*	Corresponding Investment Values***

[32] Activity previously described in Table 5.4.3-4
[33] Activity previously described in Table 5.4.3-6
[34] Activity previously described in Table 5.4.3-7
[35] Activity previously described in Table 5.4.3-8
[36] Activity previously described in Table 5.4.3-9
[37] Activity previously described in Table 5.4.3-10
[38] Activity previously described in Table 5.4.6-1

		Year	RS Budget	Own funds	Other sources**
G1 - Expansion of existing and construction of new storage facilities	Inv	2026	-	-	145 mill. EUR 17,001 mill. RSD
G2 - Interconnections with neighboring transmission systems	Inv	2026 2027 2028	-	-	54 mill. EUR 6,331.5 mill. RSD
G3 – Preventive maintenance and rehabilitation of existing gas pipelines	Inv	2026	-	22 mill. EUR 2,579.5 mill. RSD	31 mill. EUR 3,635 mill. RSD
G4 - Construction of transmission and distribution system	Inv	2026 2027 2028	-	2.919 mill. EUR 342 mill. RSD	333.88 mill. EUR 39,147 mill. RSD
G5 - Modernization of the metering system	Inv	2026	-	-	58.5 mill. EUR 6,859 mill. RSD
G6 - Gas sector reform	IG	2026	Institutional managerial measure requiring no additional funding		
Total			-	24.919 mill. EUR 2,922 mill. RSD	622.381 mill. EUR 72,974 mill. RSD
			647.3 mill. EUR (75,896 mill. RSD)		

* Inv – Investment, R – Regulatory, S – Supportive (Incentive), Inf – Informational, IG – Institutional/ governance, F – Financial
** Loan funds
*** The implementation schedule of specific projects and the plan for fund withdrawal will be defined subsequently

Measures G1–G3 contribute to achieving the secure supply, ensuring a secure market supply of natural gas at required quantities, with measure G2 also diversifying. The development of the natural gas market is achieved through the implementation of measures G4–G6.

Measure G1 – Expansion of existing and construction of new storage facilities includes one activity:
G1.1: Expansion of the Banatski Dvor gas storage facility.
The investment value of this project is EUR 145 million. The contribution of this project, after its implementation, to the increase of supply security is reflected in an increase of the (N–1) infrastructure standard by an additional 28% (to 174%).

Measure G2 – Interconnections with neighboring transmission systems include two activities:
G2.1: Gas interconnection project, Republic of Serbia – Romania, Mokrin–Arad pipeline (border with Romania)
G2.2: Gas Interconnection Republic of Serbia - Republic of North Macedonia, MG 14 GRČ Orljane–Leskovac–Vranje–border with the Republic of North Macedonia – Section Vranje–border with North Macedonia.
The investment value of this measure is EUR 54 million.
The contribution of this measure, after implementing the planned activities, to the increase of supply security is reflected in an increase of the (N–1) infrastructure standard by an additional 23%, while the contribution to the diversification of gas sources and supply routes is measured by a reduction of IDUPS to 3.257.

Measure G3 – Preventive maintenance and rehabilitation of existing main gas pipelines include two activities:
G3.1: Reconstruction of pipeline RG 01-10 (section over the Danube – Smederevo Bridge)
G3.2: Relocation of the gas pipeline along the Morava Corridor route

G3.3: Replacement of sectional valves
G3.4: Replacement of measurement, regulation, safety, and shut-off equipment at Main Metering and Regulation Station (hereinafter: MMRS) installations
G3.5: Inspection of the gas pipeline using an "intelligent pig" — assessment of pipeline condition, identification of potentially vulnerable sections, and reconstruction works on the affected areas.
The investment value of this measure is EUR 53 million. Following the implementation of the planned activities, the measure will contribute to the safe and reliable operation of the transmission system, ensuring a secure supply of natural gas to consumers in the required quantities. In addition, this measure provides the infrastructure foundation for developing the natural gas market.

Measure G4 – Construction of transmission and distribution system includes six activities:
G4.1: MG 14 GRČ Orljane–Leskovac–Vranje–border with the Republic of North Macedonia – Section Orljane–Leskovac–Vranje
G4.2: Main and distribution pipelines of eastern Serbia: Paraćin–Boljevac–Rgotina–Negotin–Prahovo with branches to Bor, Zaječar, and Knjaževac
G4.3: Gasification of the industrial zone in Inđija
G4.4: Distribution pipeline Zlatibor–Prijepolje–Priboj–Nova Varoš and distribution pipeline Glogovik–Sjenica
G4.5: Distribution pipeline Belgrade–Valjevo–Loznica
G4.6: Construction/expansion of distribution gas networks in Niš, Leskovac, Vlasotince, Ražanj, Aleksinac, Lučani, Guča, and Aleksandrovac

The total investment value of this measure is EUR 336.8 million. The contribution of this measure relates to the development of the natural gas market. Its implementation creates conditions for gasification of non-gasified areas in southern, eastern, and western Serbia, as well as increased gas usage for industrial consumers in Inđija and Zrenjanin.
Activities within measure G4 enable substitution of liquid and solid fuels in industry and for general consumption (households, commercial sector, etc.). Using natural gas instead of coal, fuel oil, or firewood reduces local emissions (SOx, NOx, particulate matter) and improves energy efficiency. Similar effects are observed on climate, due to the significantly lower CO2 emission factor compared to coal and liquid fuels. The quantification of this effect varies by substitution case. In principle, sulfur oxides and particulate emissions are eliminated, while nitrogen oxide emissions are reduced by 10% when substituting liquid fuels (fuel oil), 20% when substituting coal, and 30% when substituting firewood.

Measure G5 – Modernization of the metering system includes three activities:
G5.1: Construction of the transfer station in Loznica,
G5.2: Construction of the transfer station in Horgoš, and
G5.3: Construction of the transfer station in PSG Banatski Dvor
The total investment value of this measure is EUR 42 million.
Accurate measurement of delivered and received natural gas quantities is essential, and the construction of the transfer stations mentioned provides an infrastructure base for market development.

Measure G6 – Gas sector reform includes one activity:
G6.1: Licensing of Transportgas Serbia LLC to perform the energy activity of transmission and management of the natural gas transmission system
The license is an act establishing the fulfillment of conditions for performing energy activities prescribed by the Energy Law.

For the natural gas sector, improving the regulatory framework is also of key importance. By adopting the sectoral law, provisions related to natural gas will be consolidated into a single law, allowing better oversight and regulation of the natural gas sector.

Table 5.5.2 presents the link between the adopted development goals of the natural gas sector and the proposed measures to achieve these goals, the indicators for monitoring implementation, the indicator values in 2023, and the projected values for the period 2026–2028.

Table 5.5.2: Objectives and Monitoring Indicators in the Natural Gas Sector

Objectives		➢ Secure supply of required quantities	➢ Development of the natural gas market	➢ Diversification of sources and supply routes
Measures		G1, G2, G3	G4, G5, G6, G7	G2
Indicator		(N-1) infrastructure standard[39]	Share of natural gas sales on the free market Total natural gas consumption	Import Sources Diversification Index (IDUPS)[40]
Value in 2023		146%[41]	81.5%[42] (2.83 bcm)	10,000[43]
Projected indicator value	**2026**	174%	82.2% (3.1 bcm)	10,000
	2027	191%	82.4% (3.2 bcm)	4,203
	2028	197%	82.5% (3.263 bcm)	3,257

Detailed descriptions of the proposed measures and activities are provided in Tables 5.5.3-5.5.7.

Table 5.5.3: Activities for the implementation of the measure G1

Activity G1.1	Expansion of the existing gas storage Banatski Dvor
Description	Expansion of the Banatski Dvor storage capacity from 350 million m³ to 750 million m³, with a maximum technical withdrawal capacity of 10 million Sm³/day (415,000 m³/h) and a maximum technical injection capacity of 5.8 million Sm³/day (242,000 m³/h). The expansion project was carried out as a supplementary mining project. A construction permit has been issued. Drilling of additional wells is currently underway. In 2026, procurement of compressors and other equipment is expected, followed by commissioning of the expanded storage facility.
Institutions responsible for implementation of measures and activities	UGS Banatski Dvor Public Enterprise Srbijagas
Institutions responsible for monitoring implementation and reporting on progress	MoME
Implementation deadline / Timeline	2026.
Required funds and source of financing	EUR 145 million (RSD 17,001 million) – Loan / PE Srbijagas / Budget

[39] MoME, The report provides the foundation for drafting the report ”SECURITY OF SUPPLY STATEMENT”, 2024.
[40] Sum of squared percentage shares of each interconnection and LNG terminal supply
[41] MoME, The report provides the foundation for drafting the report ”SECURITY OF SUPPLY STATEMENT”, 2024.
[42] AERS, Report on the Work of the Energy Agency for 2023 – Report on the State of the Energy Sector in Serbia, 2024.
[43] Calculated based on the AERS, Report on the Work of the Energy Agency for 2023 – Report on the State of the Energy Sector in Serbia, 2024.

Implementation indicator / Performance indicator	Implementation phase: Construction, Commissioning
Impact of activity implementation on achieving the objective	Secure supply: (N–1) infrastructure standard increased by an additional 28% (to 174%)
Impact on energy efficiency, climate, and environment	Without direct impact on energy efficiency and the environment. Increase in fugitive methane emissions by 0.336 Gg per year. [44]

Total investment for Measure G1	EUR 145 million (RSD 17,001 millions)

Table 5.5.4-1: Activities for the implementation of the measure G2 – Activity G2.1

Activity G2.1	Gas interconnection project Republic of Serbia – Romania, Mokrin–Arad pipeline (border with Romania)
Description	The transmission systems are connected by a DN600 pipeline with a nominal pressure of 63 bar. The length of the pipeline on Romanian territory is approximately 85 km, and on Serbian territory 13.1 km. The expected annual capacity of the pipeline will be in the range of 1,600–2,500 million Sm^3. This increases supply security, system reliability (relieving the Horgoš–Batajnica main route), and enables the procurement of Romanian natural gas or gas from the BRUA pipeline. Additionally, on Serbian territory, it is necessary to construct a 63 bar nominal pressure section 3.3 km long to connect with the future pipeline to UGS Banatski Dvor and Belgrade (Nakovo hub). At the Nakovo hub, the construction of a control metering station (MS[45]), the start of the section to UGS Banatski Dvor, and the relocation of the beginning of the MG-03 pipeline, including a pigging station and metering/regulating station (MRS[46]), are planned. The section from the Nakovo hub to the connection with the existing MG-03 pipeline is 10.2 km long, DN600 in diameter, with a nominal pressure of 50 bar.
Institutions responsible for implementation of measures and activities	Public Enterprise Srbijagas Transportgas Serbia LLC.
Institutions responsible for monitoring implementation and reporting on progress	- Ministry of Mining and Energy - Ministry of Construction, Transport and Infrastructure
Implementation deadline / Timeline	2027.
Required funds and source of financing	EUR 12 million (RSD 1,407 million) Loan/Own funds The implementation schedule and the plan for fund disbursement will be defined later
Implementation indicator / Performance indicator	Implementation phase: Spatial documentation, Conceptual design and location conditions, Approval of the Environmental Impact Assessment Study, Resolution of property-legal issues, Preliminary project and feasibility study, Energy permit, Design for construction permit and construction permit, Preparation of tender documentation, Detailed design, Construction, Commissioning
Impact of activity implementation on achieving the objective	Secure supply: (N–1) infrastructure standard increased by an additional 17% (to 163%) Diversification of sources: IDUPS reduced by 58% (to 4,203 in 2027)
Impact on energy efficiency, climate, and environment	Without direct impact on energy efficiency and the environment.

[44] Emission 8,4 x 10^{-4} Gg methane per km per million m^3 of stored gas https://www.ipcc-nggip.iges.or.jp/public/gp/bgp/2_6_Fugitive_Emissions_from_Oil_and_Natural_Gas.pdf
[45] MS – Metering Station
[46] MRS – Metering and Regulation Station

	Increase in fugitive methane emissions by 0.05 Gg per year [47]

Table 5.5.4-2: Activities for the implementation of the measure G2 – Activity G2.2

Activity G2.2	Gas interconnection project Republic of Serbia – Republic of North Macedonia (MG 14 GRČ Orljane–Leskovac–Vranje–border with the Republic of North Macedonia – Section Vranje–border with North Macedonia)
Description	This project would connect the gas transmission systems of the Republic of Serbia and the Republic of North Macedonia. On the Serbian side, this would be implemented through the construction of a DN500mm pipeline from Vranje to the border with the Republic of North Macedonia, with a length of approximately 47 km. In order to ensure the conditions for the construction of the Serbia–North Macedonia interconnector in terms of the required transmission capacity, it is necessary to work in a coordinated manner on Activity 4.1. In line with the new development strategy of the European gas network, the pipeline should also enable hydrogen transport ("Hydrogen ready"). The technical capacity of the pipeline is 1.5 billion m³ per year. Implementation of the project would enhance supply security, enable alternative supply routes for the Republic of Serbia, and increase opportunities for diversification of supply sources through connections with other national gas systems to the TAP and TANAP pipelines.
Institutions responsible for implementation of measures and activities	PE Srbijagas Transportgas Serbia LLC
Institutions responsible for monitoring implementation and reporting on progress	- Ministry of Mining and Energy - Ministry of Construction, Transport and Infrastructure
Implementation deadline / Timeline	2028.
Required funds and source of financing	EUR 42 million (RSD 4,924.5 million) Own funds / commercial bank loan with the guarantee of the Republic of Serbia Preparation of complete technical documentation for the Serbian side – Public Enterprise Srbijagas The implementation schedule and the fund withdrawal plan will be defined subsequently
Implementation indicator / Performance indicator	Implementation phase: Conceptual design and location requirements, Approval of the Environmental Impact Assessment Study, Resolution of property-legal issues, Preliminary design and feasibility study, Energy permit, Design for construction permit and construction permit, Preparation of tender documentation, Detailed design, Construction, Commissioning
Impact of activity implementation on achieving the objective	Secure supply: (N–1) infrastructure standard increased by an additional 6% (to 152%) Diversification of sources: IDUPS reduced by 38% (to 6,155)
Impact on energy efficiency, climate, and environment	Without direct impact on energy efficiency and the environment. Increase in fugitive methane emissions by 0.15 Gg per year. [48]

Total investment for Measure G2	54 million EUR (6,331.5 million RSD)

Table 5.5.5-1: Activities for the implementation of the measure G3 – G3.1

[47] Emission 3,4 x 10^{-3} Gg methane emission per km of transport pipeline https://www.ipcc-nggip.iges.or.jp/public/gp/bgp/2_6_Fugitive_Emissions_from_Oil_and_Natural_Gas.pdf
[48] See footnote 44

Activity G3.1	Reconstruction of the RG 01-10 gas pipeline (section across the Danube – Smederevo Bridge)
Description	The crossing of the RG-01-10 Pančevo–Smederevo gas pipeline, DN300, with the Danube River was originally carried out via an above-ground pipe bridge, which has since collapsed. This project envisages relocating this section beneath the riverbed of the Danube and reconstructing the block stations located near the crossing. After commissioning the new section, the pipe bridge must be dismantled.
Institutions responsible for implementation of measures and activities	Public Enterprise Srbijagas Transportgas Serbia LLC
Institutions responsible for monitoring implementation and reporting on progress	- Ministry of Mining and Energy - Ministry of Construction, Transport and Infrastructure
Implementation deadline / Timeline	2026.
Required funds and source of financing	EUR 9 million (RSD 1,055.25 million) Loans from domestic commercial banks The implementation schedule and the fund withdrawal plan will be defined subsequently
Implementation indicator / Performance indicator	Implementation phase: Spatial documentation, Conceptual design and location requirements, Approval of the Environmental Impact Assessment Study, Resolution of property-legal issues, Preliminary design and feasibility study, Energy permit, Design for construction permit and construction permit, Preparation of tender documentation, Detailed design, Construction, Commissioning
Impact of activity implementation on achieving the objective	Secure supply: The indicator remains unchanged, but reliable operation of the transmission and distribution system is ensured.

Table 5.5.5-2: Activities for the implementation of the measure G3 – G3.2

Activity G3.2	Relocation of the gas pipeline along the Morava corridor route
Description	For the construction of the E-761 motorway, section Pojate–Preljina (Morava Corridor), several gas pipeline segments are being relocated at multiple locations. These include: transmission gas pipelines made of steel pipes with a maximum operating pressure (MOP) of 50 bar; distribution gas pipelines made of steel pipes with an MOP of 16 bar; distribution gas pipelines made of polyethylene pipes with an MOP of 4 bar.
Institutions responsible for implementation of measures and activities	Public Enterprise Srbijagas Transportgas Serbia LLC
Institutions responsible for monitoring implementation and reporting on progress	- Ministry of Mining and Energy - Ministry of Construction, Transport and Infrastructure
Implementation deadline / Timeline	2026.
Required funds and source of financing	7 million EUR (820,750,000 million RSD) Loans from domestic commercial banks. The implementation schedule and the plan for fund withdrawal will be defined subsequently.
Implementation indicator / Performance indicator	Implementation phase: Spatial planning documentation; Conceptual design and location requirements; Approval of the Environmental Impact Assessment Study; Resolution of property–legal matters; Conceptual design and feasibility study; Energy permit; Design for building permit and issuance of the building permit; Preparation of tender documentation; Detailed design; Construction; Commissioning.

Impact of activity implementation on achieving the objective	Security of supply: The indicator remains unchanged, but reliable operation of the transmission and distribution system is ensured.

Table 5.5.5-3: Activities for the implementation of the measure G3 – G3.3

Activity G3.3	Replacement of sectional valves
Description	More than 57% of the transmission system operated by Transportgas Serbia is over 40 years old and is nearing the end of its designed service life. During operation, the equipment has become worn out, and manufacturers of the installed components no longer produce spare parts. It is therefore necessary to replace the outdated regulation, safety, and shut-off valves, as well as metering equipment, and to upgrade the metering systems and improve gas filtration at the MMRS facilities.
Institutions responsible for implementation of measures and activities	Public Enterprise Srbijagas Transportgas Serbia LLC
Institutions responsible for monitoring implementation and reporting on progress	- Ministry of Mining and Energy - Ministry of Construction, Transport and Infrastructure
Implementation deadline / Timeline	2026.
Required funds and source of financing	15 million EUR (1,758,750,000 RSD) Loans from domestic commercial banks. The implementation schedule and the plan for fund withdrawal will be defined subsequently.
Implementation indicator / Performance indicator	Implementation phase: Reconstruction not started; Reconstruction in progress; Reconstruction completed.
Impact of activity implementation on achieving the objective	Security of supply: The indicator remains unchanged, but reliable operation of the transmission and distribution system is ensured.

Table 5.5.5-4: Activities for the implementation of the measure G3 – G3.4

Activity G3.4	Replacement of metering, regulation, safety, and shut-off equipment at MMRS
Description	More than 57% of the transmission system operated by Transportgas Serbia is over 40 years old and is nearing the end of its designed service life. During operation, the equipment has become worn out, and manufacturers of the installed components no longer produce spare parts. It is therefore necessary to replace the outdated regulation, safety, and shut-off valves, as well as metering equipment, and to upgrade the metering systems and improve gas filtration at the MMRS facilities.
Institutions responsible for implementation of measures and activities	Transportgas Serbia LLC Public Enterprise Srbijagas
Institutions responsible for monitoring implementation and reporting on progress	- Ministry of Mining and Energy - Ministry of Construction, Transport and Infrastructure
Implementation deadline / Timeline	2027.
Required funds and source of financing	10 million EUR (1,172,500,000 RSD) Own funds The implementation schedule and the fund withdrawal plan will be defined subsequently.
Implementation indicator / Performance indicator	Implementation phase: Activity not started; Activity in progress; Activity completed.
Impact of activity implementation on achieving the objective	Security of supply: The indicator remains unchanged, but the activity ensures reliable operation of the gas transmission system.

Table 5.5.5-5: Activities for the implementation of the measure G3 – G3.5

Activity G3.5	Pipeline inspection using an "intelligent pigging" – assessment of the pipeline's condition and identification of potentially vulnerable sections, followed by reconstruction works on the affected areas.
Description	More than 57% of the transmission system under the responsibility of Transportgas Serbia is over 40 years old and is approaching the end of its planned operational lifetime. By inspecting the gas pipelines and determining their condition, reconstruction will be carried out at the vulnerable sections of the gas pipeline system of the Republic of Serbia. This activity covers the most critical high-pressure trunk and distribution gas pipelines, including the existing sections of the main gas pipeline from Horgoš to Niš, whose inspection is recommended by the Strategy as the basis for a techno-economic assessment of whether its upgrade and modernization—or the construction of a parallel new pipeline—would be justified.
Institutions responsible for implementation of measures and activities	Transportgas Serbia LLC Public Enterprise Srbijagas
Institutions responsible for monitoring implementation and reporting on progress	- Ministry of Mining and Energy - Ministry of Construction, Transport and Infrastructure
Deadline for completing the inspection	2026.
Deadline for completing reconstruction works at the affected sections	2027.
Required funds and source of financing	12 million EUR (1,407,000,000 RSD) Own funds The implementation schedule and the fund withdrawal plan will be defined subsequently.
Implementation indicator / Performance indicator	Implementation phase: Activity not started; Activity in progress; Activity completed.
Impact of activity implementation on achieving the objective	Security of supply: The indicator remains unchanged, but the activity ensures reliable operation of the gas transmission system.

Total investment for Measure G3	53 million EUR (6,214 million RSD)

Table 5.5.6-1: Activities for the implementation of the measure G4 – G4.1

Activity G4.1	MG 14 GRČ Orljane–Leskovac–Vranje–border with the Republic of North Macedonia – Section Orljane–Leskovac–Vranje
Description	The completion of the Orljane-Leskovac–Vranje transmission gas pipeline, with a diameter of DN500, along with the associated main metering and regulation stations, will create conditions for the construction of distribution gas pipelines in all settlements and the connection of industrial, communal, and individual consumers to the distribution system. Using natural gas as a fuel will significantly relieve the electricity generation capacities.
Institutions responsible for implementation of measures and activities	PE Srbijagas Transportgas Serbia LLC
Institutions responsible for monitoring implementation and reporting on progress	- Ministry of Mining and Energy - Ministry of Construction, Transport and Infrastructure
Implementation deadline / Timeline	2028.
Required funds and source of financing	82.133 million EUR (9,630.1 million RSD) Credit funds from domestic commercial banks

	The timeline for implementation and the plan for fund disbursement will be defined later.
Implementation indicator / Performance indicator	Implementation phase: Spatial documentation, Conceptual design and location conditions, Approval of the Environmental Impact Assessment Study, Resolution of property-law issues, Preliminary project and feasibility study, Energy permit, Construction permit and construction documentation, Preparation of tender documentation, Detailed design, Construction, Commissioning
Impact of activity implementation on achieving the objective	Natural gas market development: By constructing distribution gas pipelines in Vlasotince, Vladičin Han, Surdulica, and Vranje and connecting industrial, communal, and individual consumers to the distribution system, an increase in total natural gas consumption and sales on the free market is expected. There is no available data to quantify the change in indicators.
Impact on energy efficiency, climate, and environment	The construction of distribution gas pipelines in Vlasotince, Vladičin Han, Surdulica, and Vranje ensures the possibility of substituting liquid and solid fuels in industry and general consumption. Using natural gas instead of coal, fuel oil, and firewood has a positive effect on reducing local emissions (SOx, NOx, particles) and more efficient use of the energy source. A similar impact applies to the climate, given the significantly lower CO_2 emission coefficient compared to coal and liquid fuels, despite the increase in fugitive methane emissions by 0.35 Gg per year[49].

Table 5.5.6-2: Activities for the implementation of the measure G4 – G4.2

Activity G4.2	Main and distribution gas pipelines of Eastern Serbia: Paraćin–Boljevac–Rgotina–Negotin–Prahovo with branches to Bor, Zaječar, and Knjaževac
Description	Based on the Decision on the preparation of the Spatial Plan for the special-purpose area of the main and distribution gas pipeline network of Eastern Serbia with elements of detailed regulation ("Official Gazette of RS", No. 84, 29 July 2022), the construction of the distribution pipeline Paraćin – Boljevac – Rgotina – Negotin – Prahovo has been defined. The conceptual design covers the pipeline route, starting with a connection to the main metering station (GMS) 2 Paraćin (village of Bošnjan), which is part of the main pipeline (interconnector) from Bulgaria to Hungary border. The sections are defined by the following transmission network of main and distribution gas pipelines: **MG 12** – Section Paraćin–Rgotina, DN500 (with 4 blockade stations-BS) **MG 13** – Section Rgotina–Prahovo, DN400 (with 3 BSs) **RG 12-01** – Section Suva Reka–Bor, DN250 (with 1 BS) **RG 12-03** – Section Rgotina–Zaječar, DN250 (with 1 BS) **RG 12-03/1** – Section Zaječar–Knjaževac, DN200 (with 4 BSs) **RG 12-04** – Branch pipeline for Zaječar, DN200 **RG 12-05** – Branch pipeline for Boljevac, DN100 **RG 13-01** – Branch pipeline for Rgotina, DN80 **RG 13-03** – Branch pipeline for Negotin, DN150 **Total pipeline length:** 190 km **Design pressure:** 50 bar **Total maximum daily capacity:** 4.9 million Sm³/day **Total maximum hourly capacity:** 204,000 Sm³/h
Institutions responsible for implementation of measures and activities	PE Srbijagas Transportgas Serbia LLC

[49] See footnote 44

Institutions responsible for monitoring implementation and reporting on progress	- Ministry of Mining and Energy - Ministry of Construction, Transport and Infrastructure
Implementation deadline / Timeline	2028.
Required funds and source of financing	EUR 91.826 million (RSD 10,767 million) Loans from domestic commercial banks The schedule of implementation and the plan for fund withdrawal will be defined later
Implementation indicator / Performance indicator	Implementation phase: Spatial planning documentation, Conceptual design and location requirements, Approval of the Environmental Impact Assessment Study, Resolution of property-legal issues, Preliminary design and feasibility study, Energy permit, Design for construction permit and construction permit, Preparation of tender documentation, Detailed design, Construction, Commissioning
Impact of activity implementation on achieving the objective	Development of the natural gas market: The construction of distribution pipelines in Paraćin, Boljevac, Rgotina, Negotin, Prahovo, Bor, Zaječar, and Knjaževac, and the connection of industrial, communal, and individual consumers to the distribution system is expected to increase total natural gas consumption and sales on the liberalized market. Data for quantifying the change in the indicator are not available.
Impact on energy efficiency, climate, and environment	By constructing these distribution pipelines, the substitution of liquid and solid fuels in industry and general consumption is enabled. Using natural gas instead of coal, fuel oil, and firewood has a positive effect on reducing local emissions (SOx, NOx, particulates) and allows for more efficient use of energy. A similar impact is expected on the climate, given the significantly lower CO_2 emission factor compared to coal and liquid fuels, despite an increase in fugitive methane emissions of 0.656 Gg per year[50].

Table 5.5.6-3: Activities for the implementation of the measure G4 – G4.3

Activity G4.3	Gasification of the industrial zone of Inđija
Description	Construction of transmission system includes construction of a new connection to the MG-04/II Senta–Batajnica pipeline: - Transmission pipeline from the existing MG-04/II Senta–Batajnica pipeline to the MMRS location, diameter DN250, approximately 2,500 m long; - MMRS with a capacity of 25,000 Sm^3/h (P_{in}=45 bar; P_{out}=8–16 bar); Construction of distribution system includes: - MRS with a capacity of 8,500 Sm^3/h; - Distribution pipeline made of steel pipes (distribution from MMRS to MRS)
Institutions responsible for implementation of measures and activities	Public Enterprise Srbijagas, Transportgas Serbia LLC (transmission system) Public Enterprise Srbijagas, PE Ingas (distribution system)
Institutions responsible for monitoring implementation and reporting on progress	- Ministry of Mining and Energy - Ministry of Construction, Transport and Infrastructure
Implementation deadline / Timeline	2026.
Required funds and source of financing	EUR 6 million (RSD 703.5 million) Loan funds from domestic commercial banks The implementation schedule and fund withdrawal plan will be defined subsequently
Implementation indicator / Performance indicator	Implementation phase: Conceptual design and location requirements, Approval of the Environmental Impact Assessment Study, Resolution of property-

[50] See footnote 47

	legal issues, Preliminary design and feasibility study, Energy permit, Design for construction permit and construction permit, Preparation of tender documentation, Detailed design, Construction, Commissioning
Impact of activity implementation on achieving the objective	Development of the natural gas market: The construction of this pipeline will create conditions for increased natural gas use for industrial consumers. Data are not available to quantify the change in the indicator.
Impact on energy efficiency, climate, and environment	The construction of this pipeline enables the substitution of liquid and solid fuels in industry. Using natural gas instead of coal and fuel oil has a positive effect on reducing local emissions (SOx, NOx, particulates) and allows for more efficient use of energy. A similar impact is expected on the climate, given the significantly lower CO_2 emission factor compared to coal and liquid fuels.

Table 5.5.6-4: Activities for the implementation of the measure G4 – G4.4

Activity G4.4	Distribution gas pipeline Zlatibor–Prijepolje – Priboj – Nova Varoš and distribution gas pipeline Glogovik–Sjenica
Description	The Spatial Plan for the Special-Purpose Area with elements of detailed regulation for RG 08-20 Zlatibor–Prijepolje with branches to Priboj RG 08-21 and Nova Varoš RG 08-22, and RG 09-04/3 GRČ[51] Glogovik–Sjenica ("Official Gazette of RS", No. 95/24) defines the construction of distribution gas pipelines in southwestern Serbia with a total length of approximately 110 km. The first pipeline starts with a connection to MMRS "Rudine" in Zlatibor (Cadastral Municipality Čajetina), which is part of the RG 08-19 Sevojno–Zlatibor distribution pipeline, and includes pipelines RG 08-20, RG 08-21, RG 08-22, and RG 08-23. The second pipeline starts with a connection at GRČ "Glogovik," which is part of RG 09-04/2 Aleksandrovac–Kopaonik–Novi Pazar–Tutin, and includes pipeline RG 09-04/3. **Technical data:** - Total pipeline length: 110 km - Design pressure: 50 bar - Diameters: DN 300 / DN 250 / DN 200 / DN 150 **Supporting facilities:** 1 Block Station (BS), 6 GRČ with receiving and delivery pigging stations (PČS and OČS), BS and MMRS, MMRS "Rutoši," MMRS "Nova Varoš," MMRS "Priboj," MMRS "Prijepolje," MMRS "Sjenica"
Institutions responsible for implementation of measures and activities	Public Enterprise Srbijagas Transportgas Serbia LLC
Institutions responsible for monitoring implementation and reporting on progress	- Ministry of Mining and Energy - Ministry of Construction, Transport and Infrastructure
Implementation deadline / Timeline	2027.
Required funds and source of financing	EUR 54.447 million (RSD 6,384 million) Loan funds from domestic commercial banks The implementation schedule and fund withdrawal plan will be defined subsequently
Implementation indicator / Performance indicator	Implementation phase: Conceptual design and location requirements, Approval of the Environmental Impact Assessment Study, Resolution of property-legal issues, Preliminary design and feasibility study, Energy permit, Design for construction permit and construction permit, Preparation of tender documentation, Detailed design, Construction, Commissioning

[51] GRČ – Main Distribution Junction

Impact of activity implementation on achieving the objective	Development of the natural gas market: The construction of distribution pipelines in southwestern Serbia and the connection of industrial, communal, and individual consumers to the distribution system is expected to increase total natural gas consumption and sales on the liberalized market. Data are not available to quantify the change in the indicator.
Impact on energy efficiency, climate, and environment	The construction of distribution pipelines in southwestern Serbia enables the substitution of liquid and solid fuels in industry and general consumption. Using natural gas instead of coal, fuel oil, and firewood has a positive effect on reducing local emissions (SOx, NOx, particulates) and allows for more efficient use of energy. A similar impact is expected on the climate, given the significantly lower CO_2 emission factor compared to coal and liquid fuels, despite an increase in fugitive methane emissions by 0.37 Gg per year[52].

Table 5.5.6-5: Activities for the implementation of the measure G4 – G4.5

Activity G4.5	Distribution gas pipeline Belgrade – Valjevo – Loznica
Description	The construction of the Belgrade–Valjevo–Loznica transmission gas pipeline, along with the associated main metering and regulating stations, will create conditions for the construction of distribution pipelines in all settlements and the connection of industrial, communal, and individual consumers to the distribution system. The use of natural gas as a fuel will significantly relieve electricity generation capacities.
Institutions responsible for implementation of measures and activities	PE Srbijagas Transportgas Serbia LLC
Institutions responsible for monitoring implementation and reporting on progress	- Ministry of Mining and Energy - Ministry of Construction, Transport and Infrastructure
Implementation deadline / Timeline	2026.
Required funds and source of financing	EUR 99.475 million (RSD 11,663 million) Loan funds from domestic commercial banks The implementation schedule and fund withdrawal plan will be defined subsequently
Implementation indicator / Performance indicator	Implementation phase: Conceptual design and location requirements, Approval of the Environmental Impact Assessment Study, Resolution of property-legal issues, Preliminary design and feasibility study, Energy permit, Design for construction permit and construction permit, Preparation of tender documentation, Detailed design, Construction, Commissioning
Impact of activity implementation on achieving the objective	Development of the natural gas market: The construction of distribution pipelines in western Serbia and the connection of industrial, communal, and individual consumers to the distribution system is expected to increase total natural gas consumption and sales on the liberalized market. Data are not available to quantify the change in the indicator.
Impact on energy efficiency, climate, and environment	The construction of distribution pipelines in western Serbia enables the substitution of liquid and solid fuels in industry and general consumption. Using natural gas instead of coal, fuel oil, and firewood has a positive effect on reducing local emissions (SOx, NOx, particulates) and allows for more efficient use of energy. A similar impact is expected on the climate, given the significantly lower CO_2 emission factor compared to coal and liquid fuels, despite an increase in fugitive methane emissions by 0.37 Gg per year[53].

Table 5.5.6-5: Activities for the implementation of the measure G4 – G4.6

[52] See footnote 47
[53] See footnote 47

Activivty G4.6	Construction – expansion of distribution gas networks in Niš, Leskovac, Vlasotince, Ražanj, Aleksinac, Lučani, Guča, and Aleksandrovac
Description	A distribution gas pipeline made of PE pipes, 4 bar, with diameters from Ø180 mm to Ø40 mm, totaling 111.4 km in length. The construction of these pipelines will create conditions for the gasification of parts of Niš, Leskovac, Vlasotince, Ražanj, Aleksinac, Aleksandrovac, Lučani, and Guča that were not previously gasified. This will enable an increase in the number of natural gas users and the substitution of electricity, fuel oil, firewood, and coal consumption with natural gas, all to protect the environment in accordance with national regulations and EU practices.
Institutions responsible for implementation of measures and activities	Yugorosgaz a.d. Belgrade
Institutions responsible for monitoring implementation and reporting on progress	Yugorosgaz a.d. Belgrade, MoME
Implementation deadline / Timeline	2028.
Required funds and source of financing	2.919 million EUR Own funds
2026	0.973 million EUR
2027	0.973 million EUR
2028	0.973 million EUR
Implementation indicator / Performance indicator	Construction, Commissioning
Impact of activity implementation on achieving the objective	Development of the natural gas market: The construction of distribution pipelines and the connection of industrial, communal, and individual consumers to the distribution system is expected to increase total natural gas consumption and sales on the liberalized market. Data are not available to quantify the change in the indicator.
Impact on energy efficiency, climate, and environment	The construction of distribution pipelines enables the substitution of liquid and solid fuels in industry and general consumption. Using natural gas instead of coal, fuel oil, and firewood has a positive effect on reducing local emissions (SOx, NOx, particulates) and allows for more efficient use of energy. A similar impact is expected on the climate, given the significantly lower CO_2 emission factor compared to coal and liquid fuels, despite an increase in fugitive methane emissions by 0.37 Gg per year[54].

Total investment for Measure G4	EUR 336.8 million (RSD 39,574 million)

Table 5.5.7: Activities for the implementation of the measure G5 - Modernization of the metering system

Activity G5.1	Construction of Transfer Station (PPS) in Loznica
Description	Currently, the transfer of natural gas between the Republic of Serbia and the Republic of Bosnia and Herzegovina takes place at the PPS in Zvornik – about 25 km inside the territory of Bosnia and Herzegovina. Transportgas Serbia has no control over the pipeline segment within Bosnia and Herzegovina, and the existing metering systems (MS) do not comply with regulations and functional requirements for fiscal metering stations. The construction of the PPS in Loznica will resolve these issues.
Institutions responsible for implementing measures and activities	Public Enterprise Srbijagas Transportgas Serbia LLC

[54] See footnote 47

Institutions responsible for monitoring implementation and reporting on progress	- Ministry of Mining and Energy - Ministry of Construction, Transport, and Infrastructure
Deadline for implementation	2026.
Required funds and source of financing	EUR 18.5 million (RSD 2,169 million) Loans from domestic commercial banks
Implementation indicator	Implementation Phase: Spatial documentation, Conceptual design and location conditions, Approval of the Environmental Impact Assessment Study, Resolution of property and legal issues, Preliminary project and feasibility study, Energy permit, Construction permit project and construction permit, Preparation of tender documentation, Detailed design, Construction, Commissioning
Impact of activity implementation on achieving the objective	Accurate measurement of delivered and received natural gas quantities is necessary, and the construction of PPS Loznica is an infrastructure base for the development of the natural gas market.
Impact on energy efficiency, climate, and the environment	none

Activity G5.2	Construction of Transfer Station (PPS) in Horgoš
Description	The transfer of natural gas between the transmission system operated by Transportgas Serbia and the Hungarian TSO FGSZ takes place at the Kiskundorozsma metering station, while control measurements are performed at the Horgoš Gas Metering Station (PPS Horgoš). The equipment installed at PPS Horgoš is outdated, and the measurement method differs from other entry points to the JP Srbijagas system, which causes discrepancies in the calculations. In addition, the metering station in Hungary lacks some of the necessary equipment for complete monitoring and verification of gas volumes, and corrections from the Serbian side are not possible due to inadequate equipment at PPS Horgoš. Apart from resolving these issues, the new PPS will also enable the possibility of gas transmission from Serbia to Hungary.
Institutions responsible for implementing measures and activities	Public Enterprise Srbijagas Transportgas Serbia LLC
Institutions responsible for monitoring implementation and reporting on progress	- Ministry of Mining and Energy - Ministry of Construction, Transport, and Infrastructure
Deadline for implementation	2026.
Required funds and source of financing	EUR 20 million (RSD 2,350 million) Loans from domestic commercial banks
Implementation indicator	Implementation Phase: Spatial documentation, Conceptual design and location conditions, Approval of the Environmental Impact Assessment Study, Resolution of property and legal issues, Preliminary project and feasibility study, Energy permit, Construction permit project and construction permit, Preparation of tender documentation, Detailed design, Construction, Commissioning
Impact of activity implementation on achieving the objective	Accurate measurement of delivered and received natural gas quantities is necessary, and the construction of PPS Horgoš is an infrastructure base for the development of the natural gas market.
Impact on energy efficiency, climate, and the environment	none

Activity G5.3	Construction of Transfer Station (PPS) PSG Banatski Dvor
Description	The transfer of natural gas between the transmission system operated by Transportgas Serbia and the Banatski Dvor Underground Gas Storage (UGS) facility is carried out via a metering station (MS) consisting of three ultrasonic meters. These meters are physically installed inside the facility and do not comply with the regulations and functional requirements for fiscal metering points. Moreover,

	the existing metering station does not have sufficient capacity to measure the quantities of natural gas planned after the expansion of the underground storage. The construction of the new PPS Banatski Dvor will resolve these issues.
Institutions responsible for implementing measures and activities	Public Enterprise Srbijagas Transportgas Serbia LLC
Institutions responsible for monitoring implementation and reporting on progress	- Ministry of Mining and Energy - Ministry of Construction, Transport, and Infrastructure
Deadline for implementation	2026.
Required funds and source of financing	EUR 20 million (RSD 2,350 million) Loans from domestic commercial banks
Implementation indicator	Implementation Phase: Spatial documentation, Conceptual design and location conditions, Approval of the Environmental Impact Assessment Study, Resolution of property and legal issues, Preliminary project and feasibility study, Energy permit, Construction permit project and construction permit, Preparation of tender documentation, Detailed design, Construction, Commissioning
Impact of activity implementation on achieving the objective	Accurate measurement of delivered and received natural gas quantities is necessary, and the construction of PPS Banatski Dvor is an infrastructure base for the development of the natural gas market.
Impact on energy efficiency, climate, and the environment	none

Total funds for the measure G5	**EUR 58.5 million (6,859 million RSD)**

Table 5.5.8: Activities for the Implementation of Measure G6 - Natural Gas Sector Reform

Activity G6.1	Licensing of Transportgas Serbia LLC for carrying out the energy activity of Transmission and Operation of the Natural Gas Transmission System
Description	Transportgas Serbia has been issued a certificate as an independent system operator (On March 21, 2025, the AERS Council adopted a decision issuing a certificate to TRANSPORTGAS SERBIA Novi Sad as an independent system operator). The final certification decision, together with the opinion of the Energy Community Secretariat, will be published in the "Official Gazette of the Republic of Serbia," after which Transportgas Serbia LLC must submit a request to AERS for the issuance of a license to carry out the energy activity of Transmission and Operation of the Natural Gas Transmission System.
Institutions responsible for implementing the measures and activities	Transportgas Serbia LLC
Institutions responsible for monitoring implementation and reporting on execution	Ministry of Mining and Energy Energy Agency of the Republic of Serbia (AERS)
Deadline for implementation	2026.
Required funds and source of financing	The measure does not require specific funds.
Implementation indicator	Phase of Implementation: Final certification decision adopted; Application for license submitted; License issued.
Impact of activity implementation on achieving the goal	The license is the act that confirms the fulfillment of conditions for performing energy activities as prescribed by the Energy Law.

Impact on energy efficiency, climate, and the environment	none

5.6. Oil Sector

Strategic measures for achieving the set goals in the oil sector relate to ensuring a secure supply of oil and oil derivatives that meet EU standards, and include the following measures:
N1 - Construction of missing storage capacities for oil and all types of derivatives that are stored for mandatory reserves,
N2 - Continuation of refinery capacity modernization,
N3 - Construction of oil pipelines and product pipelines,

Measure N1 aims to ensure the construction of new storage facilities for oil and oil derivatives and to enable a secure supply of oil and oil derivatives through the formation of mandatory reserves. This measure is aimed at enhancing the energy security of the Republic of Serbia. The financial resources required to form the mandatory reserves amount to EUR 20 million by 2028 and cover the costs of constructing the additional storage capacities.

Measure N2 refers to the further modernization of processes in the oil refinery in Pančevo. It includes improving the efficiency of existing plants in terms of modernization and eliminating limiting parts of the refining process, such as replacing critical rotating equipment and furnaces. It also involves further improving environmental protection through the construction of new fire protection systems and hazardous waste storage. Indirectly, this measure contributes to the decarbonization of the energy sector, as it leads to a reduction in fugitive emissions in the refining process. The total funds planned for this purpose amount to EUR 173 million.

Measure N3 includes two activities. The first activity is N3.1: Construction of an oil pipeline on the route Szazalombatta – Algyo – Roszke – Novi Sad, with an annual transportation capacity of 5.5 million tons. The length of the pipeline in Serbia is 113 km. The pipeline is intended to connect with the international Druzhba pipeline and other Eurasian pipelines and is aimed at enhancing energy security. The investment value of this project is EUR 156 million. The second activity is N3.2: Construction of a product pipeline system. During the implementation of the Program, a product pipeline will be constructed that connects the Pančevo oil refinery with existing storage tanks in Smederevo and Novi Sad. The activity also includes the construction of new tanks in Pančevo and Smederevo and ensuring conditions for further transport. The investment value of this project is EUR 32.8 million. The implementation of this project will increase the competitiveness of the sector and reduce harmful gas emissions during the transportation of products.

Improvement of the regulatory framework is important for advancing the oil sector. Since the oil sector is regulated by a series of regulations, the most important of which are the Energy Law, the Law on Commodity Reserves (Official Gazette of the Republic of Serbia, No. 108/2014, 145/14, 95/18 – other law, and 109/25 – other law), and the Law on Gas (Official Gazette of the Republic of Serbia, No. 109/25), as well as several subordinate regulations, the adoption of a sector-specific Oil Law (Official Gazette of the Republic of Serbia, No. 109/25) and the Law on Mandatory Reserves of Oil, Oil Derivatives, and Natural Gas (Official Gazette of the Republic of Serbia, No. 109/25) consolidated provisions related to the oil sector, as well as to other motor and energy fuels, and mandatory reserves, into unified laws. This enabled better understanding and regulation of this area.

A recap of the planned measures for achieving strategic goals, with investment values and funding sources, is presented in Table 5.6.1.

Table 5.6.1: Measures in the Oil Sector

Name	Type *	Investment Value **			
		Year	Budget of the Republic of Serbia	Own funds	Other Sources
N1 - Construction of missing storage capacities for oil and all types of derivatives that are stored for the purpose of mandatory reserves	Inv	2026.	-	-	-
		2027.	10 mill. EUR (1,172.5 mill. RSD)		
		2028.	10 mill. EUR (1,172.5 mill. RSD)		
N2 - Continuation of refinery capacity modernization	Inv	2026.	-	173 mill. EUR (20,284 mill.RSD)	-
		2027.			
		2028.			
N3 - Construction of oil pipelines and product pipelines	Inv	2026.	-	32.8 mill EUR (3,846 mill. RSD)	117.812 mill. EUR
		2027.	-		34.651 mill. EUR
		2028.	-		
N4 - Improvement of the regulatory framework in the oil sector	P	2026.	Regulatory measure that does not require specific funding		
Total:			20 mill. EUR (2,345 mill. RSD	205.8 mill. EUR (24,130 mill. RSD	152.463 mill. EUR (17,876 mill. RSD)
			378.263 mil. EUR (44,351 mil. RSD)		

*Inv–Investment, R–Regulatory, Inc–Incentive, Inf–Informative, IG – Institutional/ governance, F – Financial
** The implementation timeline and fund withdrawal plan will be defined at a later stage

Table 5.6.2 shows the link between the adopted development goals of the oil sector and the proposed measures to achieve these goals, the indicators for monitoring implementation, the indicator values in 2023, and the projected values for the period 2026-2028. A detailed overview of activities is presented in Tables 5.6.3-5.

Table 5.6.2: Goals, measures, and indicators in the oil sector

Goal		➢ Ensuring secure supply of oil and oil derivatives that meet EU standards		
Measures		N1, N4	N2	N3
Indicator		➢ Number of days of average consumption secured from mandatory reserves ➢ Number of days of average imports secured from mandatory reserves[55]	➢ Degree of implementation of planned investments [56]	➢ Indicator of construction progress [57]
Indicator value in 2023		41 days of average daily net imports	-	-
Projected indicator value	**2026**	61 days of average daily net imports	-	-
	2027	90 days of average daily net imports	100%	100%
	2028	90 days of average daily net imports	100%	100%

Table 5.6.3: Activities for the implementation of Measure N1 – Construction of missing storage capacities for oil and all types of derivatives stored for the purpose of mandatory reserves

[55] Defined by the Decree on the Methodology for Data Collection and Processing and the Calculation of Average Daily Net Imports, Average Daily Consumption, and Quantities of Mandatory Reserves of Oil and Petroleum Products (Official Gazette of the Republic of Serbia, No. 108/2014).
[56] Ratio of achieved to planned investments
[57] Ratio of achieved to planned investments

Activity N1.1	Construction of storage capacities at the Donja Zona Ledinci site
Description	Construction of 40,000 m³ of tank storage space for Euro diesel at the site in the lower handling zone of the Ledinci storage facility, covering an area of approximately 37,500 m². The construction of the following facilities is planned for the purposes of commercial storage and mandatory reserves: three tanks of 10,000 m³ each, one tank of 5,000 m³, a new pumping station, a fire access road, a water tank for fire protection purposes with a capacity of 1,500 m³, a pumping station for the fire protection system with 6 pumps, all pipeline installations for connecting the tanks, diesel loading and unloading facilities with appropriate fittings, and a hydrant network for fire protection needs in the storage area of the new tanks. Of the planned tanks, 2x10,000 m³ and 1x5,000 m³ are designated for commercial storage and mandatory reserves, while 1x10,000 m³ will serve as a technological tank for emergency filling in case of an accident at the existing tanks in the upper storage zone.
Institutions responsible for implementing measures and activities	Transnafta JSC
Institutions responsible for monitoring implementation and reporting on realization	Republic directorate for commodity reserves Ministry of Mining and Energy (Directorate for Energy Reserves)
Deadline for implementation	2028.
Required funds and source of financing	20 million EUR (2,345 million RSD) Budget of the Republic of Serbia
2026	-
2027	10 million EUR (1,172.5 million RSD)
2028	10 million EUR (1,172.5 million RSD)
Implementation indicator	Implementation phases: (project for building permit and building permit, preparation of tender documentation, execution project, construction, commissioning)
Impact of the activity on the achievement of the objective	Secure supply of oil derivatives: Storage of mandatory reserves of oil and oil derivatives ensured in quantities corresponding to 61 days of domestic consumption or 90 days of net imports (whichever is greater).
Impact on EE, climate, and environmental protection	No direct impact.

Table 5.6.4: Activities for the implementation of measure N2 – Continuation of refinery capacity modernization and increase of energy efficiency in the refining process

Activity N2.1	Investment in increasing energy efficiency, operational safety, and environmental performance of existing facilities
Description	The further modernization process of the Pančevo oil refinery includes improving the efficiency of existing facilities through their modernization and the elimination of bottlenecks (replacement of critical rotating equipment, replacement of furnaces); improving environmental protection (new fire protection system, temporary hazardous waste storage).
Institutions responsible for implementing measures and activities	NIS JSC
Institutions responsible for monitoring implementation and reporting on realization	NIS JSC Ministry of Mining and Energy
Deadline for implementation	2032.
Required funds and source of financing	EUR 173 million (20,284 million RSD) NIS JSC The implementation timeline and fund withdrawal plan will be defined at a later stage.

Implementation indicator	Replacement of critical rotating equipment – project in progress Replacement of VA-2101/2201 furnaces – projects in preparation New fire protection system operational – project in progress Temporary hazardous waste storage constructed – project in progress
Impact of the activity on the achievement of the objective	Secure supply of oil derivates: Planned investments fully implemented (100%).
Impact on EE, climate, and environmental protection	Direct impact on environmental protection as the construction of the temporary hazardous waste storage prevents environmental pollution. The impact of furnace replacement on energy efficiency, climate, and environmental protection will be addressed in the project documentation.

Table 5.6.5-1: Activities for the implementation of measure N3 – N3.1

Activity N1.1	Oil Pipeline Border Hungary – Novi Sad
Description	Construction of the oil pipeline along the route Szazalombatta – Algyo – Roszke – Novi Sad, with an annual transport capacity of 5.5 million tons. The length of the pipeline on the Serbian side is 113 km. The pipeline is intended to provide a connection with the international Druzhba pipeline and other Eurasian oil pipelines.
Institutions responsible for implementing measures and activities	Transnafta JSC
Institutions responsible for monitoring implementation and reporting on realization	Transnafta JSC Ministry of Mining and Energy
Deadline for implementation	2027.
Required funds and source of financing	156 million EUR (18,291 million RSD) Budget of the Republic of Serbia and funds from commercial bank loans
Spent by 2026.	3.537 mill. EUR (414.7 million RSD)
2026.	117.812 mill. EUR (13,813.5 million RSD)
2027.	34.651 mill. EUR (4,062.8 million RSD)
Implementation indicator	Implementation Phase (preparation of the spatial plan for the special-purpose area, preparation of project-technical documentation, construction permit project and construction permit, preparation of tender documentation, execution project, construction, commissioning)
Impact of the activity on the achievement of the objective	Secure supply of the domestic market with oil and oil derivatives: Planned investments fully implemented (100%).
Impact on EE, climate, and environmental protection	No direct impact since oil has already been transported by pipeline.

Table 5.6.5-1: Activities for the implementation of measure N3 – N3.2

Activity N2.1	Construction of the Product Pipeline System through Serbia
Description	The product pipelines provide the most rational and safest transport of oil derivatives to consumer centers. The transport of oil derivatives (gasoline and diesel fuel) would be carried out via a pipeline approximately 400 kilometers long, starting from the Pančevo oil refinery. Starting from Pančevo as the supply center for derivatives, the pipeline system branches out towards Novi Sad and Sombor, Belgrade, and Niš, via Smederevo and Jagodina. The first section of the product pipeline system, Pančevo–Smederevo and Pančevo–Novi Sad, has a length of 26.9 + 90.3 km = 117.2 km and includes three terminals (shipping terminal in Pančevo, receiving terminals in Smederevo and Novi Sad). The construction of the first section of the product pipeline system is planned in three phases until 2030. The estimated investment value for the first section, according to the conceptual design and feasibility study from 2012, is 32.8 million EUR.

Institutions responsible for implementing measures and activities	Transnafta JSC
Institutions responsible for monitoring implementation and reporting on realization	Transnafta JSC Ministry of Mining and Energy
Deadline for implementation	2030.
Required funds and source of financing	32.8 million EUR (3,845.8 million RSD) Transnafta JSC The implementation timeline and fund withdrawal plan will be defined at a later stage.
Implementation indicator	Implementation phase (amendments and supplements to the spatial plan of the special-purpose area, preparation of project-technical documentation, project for building permit and building permit, preparation of tender documentation, execution project, construction, commissioning)
Impact of the activity on the achievement of the objective	Secure supply of the domestic market with oil derivatives: Planned investments realized 100%
Impact on EE, climate, and environmental protection	By constructing the product pipeline to the main distribution warehouses, the transport of derivatives by road and rail tankers and barges is eliminated, which has a direct impact on climate and environmental protection, as it reduces harmful gas emissions.

Total for N3 measure	185.3 million EUR (21,722.1 million RSD)

5.7. Coal Sector

The main objectives in the coal sector are:

- Secure supply of thermal power capacities with coal, and
- Ensuring the required quantity and quality of coal for final consumption and for the production of thermal energy.

Both objectives serve the purpose of energy security of the Republic of Serbia.

The total planned funds for the implementation of measures in the coal sector for the period 2026–2028 amount to around EUR 363 million, and the allocation by measures, together with the planned sources of financing, is presented in Table 5.7.1.

Table 5.7.1: Measures in the coal sector

Name	Type*	Investment value		
		Year	Own funds, [million RSD]	Own funds, [million EUR]
U1 Completion of the investment cycle of existing surface mines and opening of replacement capacities for coal production	Inv.	2026.	17,264.5	147.3
		2027.	12,164.0	103.8
		2028.	9,370.5	79.9
U2 Introduction of an integrated coal quality management system	Inv.	2026.		
		2027.		
		2028.	537.2	4.6
U3 Optimization and concentration of coal production from underground mining in profitable facilities	Inv.	2026.	1,145.2	9.8
		2027.	988.8	8.4
		2028.	1,110.8	9.5
Total			42,580.8	363.3

*Inv - Investment, R - Regulatory, I - Incentive, Inf - Informative, IG – Institutional/governance, F – Financial

Table 5.7.2 presents the adopted development objectives of the coal sector, the measures to achieve these objectives, the indicators for monitoring implementation, the indicator values for 2023, and the projected values for 2027.

Table 5.7.2: Objectives, measures, and indicators in the coal sector

Objectives		➢ Secure and reliable supply of thermal power capacities	➢ Ensuring coal in the required quantity and quality for final consumption and for the production of thermal energy
Measures		U1, U2	U3
Indicators		1. Ensuring the required quantities of coal for thermal power plants 2. Excavation of the required quantities of overburden 3. Ensuring the required coal quality	Ensuring the required quantities of coal for industrial use and general consumption
Indicator		1. Ratio of achieved to required coal quantities for thermal power plants 2. Ratio of achieved to required overburden quantities 3. Ratio of trains with unsatisfactory quality to the total number of trains from RB Kolubara	Percentage ratio of required and achieved coal quantities for general consumption and thermal energy production
Indicator value in 2023		Indicator 1: 31/34=0.91 Indicator 2: 103.6/111.8= 0.92 Indicator 3: 3327/8924 = 0.31	Indicator 1: 0.57/1.2= 0.47
Projected indicator value	**2026**	Indicator 1: 32.7/34=0,91 Indicator 2: 130/130= 1 Indicator 3: = 0.27	Indicator 1: = 0.48
	2027	Indicator 1: 33.5/34=0.98 Indicator 2: 147.5/147.5=1 Indicator 3: 0.20	Indicator 1: 0.6/1.2= 0.50
	2028	Indicator 1: 34/34=1.0 Indicator 2: 147.5/147.5=1 Indicator 3: 0.18	Indicator 1: 0.6/1.2= 0.50

For the first goal, *Secure supply of thermal power capacities with coal*, the main measures for the period up to 2027 are: U1 – Completion of the investment cycle of existing open-pit mines and opening of replacement capacities for coal production, and U2 – Introduction of an integrated coal quality management system.

For measure U1, the main task is to increase coal production for thermal power plants from the current 30.7 million tons to the required 34 million tons of coal of the specified quality. The total funds for the implementation of measure U1 amount to EUR 331 million.

The first indicator for monitoring the implementation of this measure is the ratio of achieved to required coal quantities, with the goal that by 2028 this indicator reaches 1.0, meaning that the entire required coal quantity for thermal power plants will be produced in Serbia. This will reduce the current coal imports for thermal power plants. The second indicator

represents the ratio of achieved to required quantities of excavated overburden, which will create conditions for coal discovery and extraction. The goal is to excavate 147.5 million cubic meters of overburden by 2027, representing a 40% increase compared to current production. To achieve this plan for increasing coal and overburden quantities, it is necessary to complete the investment cycle at the Drmno surface mine and implement investments in the replacement surface mines Radljevo and Polje E, primarily for the procurement and construction of new missing equipment, revitalization and modernization of existing equipment, and execution of infrastructure works. Additionally, during this period, it is necessary to start investments for the opening of the replacement surface mine Kostolac West.

Measure U1 – Completion of the investment cycle of existing surface mines and opening of replacement capacities for coal production consists of 7 activities:
U 1.1: Completion of the investment cycle at the Drmno surface mine
U 1.2: Opening of the Polje E surface mine - Procurement of new missing basic machines
U 1.3: Opening of the Polje E surface mine – Revitalization and modernization of existing basic equipment
U 1.4: Opening of the Polje E surface mine – Construction of infrastructure facilities
U 1.5: Opening of the Radljevo surface mine – Procurement of new missing basic machines
U 1.6: Opening of the Radljevo surface mine – Construction of infrastructure facilities and drainage
U 1.7: Opening of the Kostolac West surface mine – Mine opening, project planning, permits, expropriation, equipment revitalization, preliminary drainage, procurement of basic and auxiliary equipment, etc.

Measure U2 aims to ensure the required coal quality, primarily from the surface mines in the Kolubara basin. Currently, the share of trains with unsatisfactory coal quality is about 40%, i.e., 3,327 trains out of 8,924 trains (coal quality below 6,100 kJ/kg or above 7,200 kJ/kg). The goal is to reduce this ratio to a maximum of 20%, which will provide more favorable conditions for combustion in thermal power plants and increase the efficiency of the units. The total funds for the implementation of measure U2 amount to EUR 4.6 million.

The second goal in the coal sector is to *Ensure coal in the required quantity and quality for final consumption and for the production of thermal energy*. This coal is currently obtained from underground mining, partly from EPS facilities (dried and lump coal) and partly from the Kovin mine. However, current consumption of this coal significantly exceeds production (production is less than 50%), so it is necessary to implement measure U3 and optimize and concentrate coal production in profitable facilities of JP for PEU. The remaining portion of coal for drying and lump coal will be obtained after increasing production at EPS. Due to limiting factors regarding the available reserves of the Kovin mine, i.e., potential issues with further exploitation (potential production reduction of about 140,000 tons), and the impossibility of increasing coal quantities for final consumption and thermal energy production from EPS facilities by 2027, only optimization and concentration of coal production in profitable facilities of JP for PEU is possible. However, quantities are limited even there, so the indicator can increase only from the current 47% to a maximum of 50%.

In Tables 5.7.3–5.7.5, the activities required for the implementation of each measure are presented.

Table 5.7.3-1: Activities for the implementation of measure U1 – U1.1

Activity U1.1	Completion of the investment cycle at the Drmno surface mine

Description	Procurement of missing equipment (self-propelled conveyor B 1600), revitalization and modernization of existing equipment, investment in drainage (LC XIX, XX, and XXI well lines and remediation and stabilization of the waste dump), power supply, etc.
Institutions responsible for the implementation of measures and activities	Joint Stock Company "Electric Power Industry of Serbia"
Institutions responsible for monitoring implementation and reporting on realization	Ministry of Mining and Energy
Deadline for implementation	2028.
Required funds and source of financing	10,373,000,000 RSD (88.469 million EUR) EPS (own funds)
2026	4,618,729,000 RSD (39.392 million EUR)
2027	3,951,130,000 RSD (33.698 million EUR)
2028	1,758,000,000 RSD (15.0 million EUR)
Implementation indicator	Increase of coal production at the Drmno surface mine from 8.78 million tons in 2023 to 10.5 million tons in 2027. Increase of excavated overburden quantities from 44,000,000 m³ in 2024 to 49,500,000 m³ in 2027.
Impact of the activity on the achievement of the objective	Ensuring the required coal quantities for thermal power plants
Impact on EE, climate, and environmental protection	No direct impact

Table 5.7.3-2: Activities for the implementation of measure U1 – U1.2

Activity U1.2	Opening of the Polje E surface mine – Procurement of new missing basic machines
Description	Procurement of 2 excavator-conveyor-spreader (hereinafter: ECS) systems (two bucket-wheel excavators, two spreaders, conveyor systems with B 2000 mm belt), procurement of missing conveyors with B 1600 mm and B 2000 mm belts, distribution stations
Institutions responsible for the implementation of measures and activities	Joint Stock Company "Electric Power Industry of Serbia"
Institutions responsible for monitoring implementation and reporting on realization	Ministry of Mining and Energy
Deadline for implementation	2030.
Required funds and source of financing	8,427,794,000 RSD (71.9 million EUR) EPS (own funds)
2026	6,303,794,000 RSD (53.78 million EUR)
2027	1,340,000,000 RSD (11.43 million EUR)
2028	784,000,000 RSD (6.69 million EUR)
Implementation indicator	Increase of overburden production by 2,500,000 m³ in 2026 and 7,000,000 m³ in 2027, which will lead to an increase in coal production from the current 5,800,000 tons to 7,700,000 tons in 2027.
Impact of the activity on the achievement of the objective	Ensuring the required coal quantities for thermal power plants Excavation of the required quantities of overburden
Impact on EE, climate, and environmental protection	No direct impact

Table 5.7.3-3: Activities for the implementation of measure U1 – U1.3

Activity U1.3	Opening of the Polje E surface mine – Revitalization and modernization of existing basic equipment
Description	Revitalization and modernization of existing basic equipment

Institutions responsible for the implementation of measures and activities	Joint Stock Company "Electric Power Industry of Serbia"
Institutions responsible for monitoring implementation and reporting on realization	Ministry of Mining and Energy
Deadline for implementation	2028.
Required funds and source of financing	1,167,262,000 RSD (9.96 million EUR) EPS (own funds)
2026	166,133,000 RSD (1.41 million EUR)
2027	434,161,000 RSD (3.7 million EUR)
2028	566,968,000 RSD (4.83 million EUR)
Implementation indicator	Through the revitalization and modernization of existing basic machines, it will be possible after 2027 to achieve temporal and capacity efficiency, thereby increasing the excavated quantities of coal and overburden from the current 22,900,000 m³ to 31,500,000 m³ using the existing equipment.
Impact of the activity on the achievement of the objective	Excavation of the required quantities of overburden
Impact on EE, climate, and environmental protection	No direct impact

Table 5.7.3-4: Activities for the implementation of measure U1 – U1.4

Activity U1.4	Opening of the Polje E surface mine – Construction of infrastructure facilities
Description	Construction of infrastructure facilities (construction of the main channel – relocation of the Peštan River, construction of assembly yard, relocation of water supply, construction of public facilities – relocation of the cemetery, etc.), geological surveys, expropriation, preparation of technical documentation, drainage facilities, electrical power supply, and other related works
Institutions responsible for the implementation of measures and activities	Joint Stock Company "Electric Power Industry of Serbia"
Institutions responsible for monitoring implementation and reporting on realization	Ministry of Mining and Energy
Deadline for implementation	2028.
Required funds and source of financing	9,762,223,000 RSD (83.295 million EUR) EPS (own funds)
2026	3,570,769,000 RSD (30.46 million EUR)
2027.	4,085,414,000 RSD (34.85 million EUR)
2028.	2,106,040,000 RSD (17.97 million EUR)
Implementation indicator	Investments in infrastructure facilities, geological surveys, drainage facilities, and other related works create the prerequisites for mine opening and continued exploitation.
Impact of the activity on the achievement of the objective	Ensuring the required coal quantities for thermal power plants Ensuring the required coal quality
Impact on EE, climate, and environmental protection	None

Table 5.7.3-5: Activities for the implementation of measure U1 – U1.5

Activity U1.5	Opening of Radljevo surface mine – Procurement of new missing basic machines
Description	Procurement of a new ECS system (bucket-wheel excavator with a capacity of 6,600 m³/h, spreader with a capacity of 8,500 m³/h, conveyor with B 2,000 mm belt), completion of the ECS system (final assembly of a used excavator and spreader, procurement of a self-propelled conveyor and conveyors with B 1,600 mm belt), procurement of missing equipment for the coal system.

Institutions responsible for the implementation of measures and activities	Joint Stock Company "Electric Power Industry of Serbia"
Institutions responsible for monitoring implementation and reporting on realization	Ministry of Mining and Energy
Deadline for implementation	2028.
Required funds and source of financing	2,754,800,000 RSD (23.505 million EUR) EPS (own funds)
2026	1,299,548,000 RSD (11.09 million EUR)
2027	1,022,371,000 RSD (8.72 million EUR)
2028	432,883,000 RSD (3.69 million EUR)
Implementation indicator	Increase of overburden production by 500,000 m³ in 2026 and 8,000,000 m³ in 2027, which will enable an increase in excavated coal quantities by 1,000,000 tons in 2026 and 1,050,000 tons in 2027 (including the effects of the second ECS system on coal excavation).
Impact of the activity on the achievement of the objective	Ensuring the required coal quantities for thermal power plants Excavation of the required quantities of overburden
Impact on EE, climate, and environmental protection	No direct impact

Table 5.7.3-6: Activities for the implementation of measure U1 – U1.6

Activity U1.6	Opening of the Radljevo surface mine – Construction of infrastructure facilities and drainage
Description	Construction and reconstruction of infrastructure facilities, expropriation, preparation of technical documentation, drainage facilities, relocation of watercourses, and other related works
Institutions responsible for the implementation of measures and activities	Joint Stock Company "Electric Power Industry of Serbia"
Institutions responsible for monitoring implementation and reporting on realization	Ministry of Mining and Energy
Deadline for implementation	2028.
Required funds and source of financing	3,967,685,000 RSD (33.853 million EUR) EPS (own funds)
2026	1,200,000,000 RSD (10.235 million EUR)
2027	1,050,000,000 RSD (8.955 million EUR)
2028	1,717,658,705 RSD (14.656 million EUR)
Implementation indicator	Investments in infrastructure facilities, drainage systems, and other related works create the prerequisites for mine opening and continued exploitation.
Impact of the activity on the achievement of the objective	Ensuring the required coal quantities for thermal power plants Ensuring the required coal quality
Impact on EE, climate, and environmental protection	No direct impact

Table 5.7.3-7: Activities for the implementation of measure U1 – U1.7

Activity U1.7	Opening of the Kostolac West surface mine – Mine opening, project implementation, permits, expropriation, equipment revitalization, preliminary drainage, procurement of basic and auxiliary equipment
Description	The Kostolac West surface mine is planned as a replacement capacity for the Drmno surface mine and to supplement capacity for TENT in the first period. Planned activities include project preparation, obtaining permits, expropriation, preliminary drainage, and revitalization of dredgers.
Institutions responsible for the implementation of measures and activities	Joint Stock Company "Electric Power Industry of Serbia"

Institutions responsible for monitoring implementation and reporting on realization	Ministry of Mining and Energy
Deadline for implementation	2030.
Required funds and source of financing	2,391,700,000 RSD (20.4 million EUR) EPS (own funds)
2026	105,525,000 RSD (0.9 million EUR)
2027	281,400,000 RSD (2.4 million EUR)
2028	2,004,975,000 RSD (17.1 million EUR)
Implementation indicator	2,000,000 tons of coal in 2033
Impact of the activity on the achievement of the objective	Ensuring the required coal quantities as a replacement capacity for the Drmno surface mine and supply to TENT in the first phase
Impact on EE, climate, and environmental protection	No direct impact

Total funds for measure U1 (2026-2028.)	38,779,504,786 RSD (331.053 million EUR)

Table 5.7.4-1: Activities for the implementation of measure U2

Activity U2.1	Construction of a coal quality management system in RB Kolubara
Description	Completion of the construction of the Tamnava crusher and depot (construction of SUP2 and T7 conveyors, distribution devices between SUP1 and SUP2, connection of the eastern and western parts of the basin via conveyors to the technological bridge, coal quality measurement in the eastern part of the basin – online analyzers and scales, reconstruction of the sampling system). The average coal quality delivered from RB Kolubara in 2023 was 6,599 kJ/kg; out of a total of 8,324 trains, 2,542 trains (31%) were out of range. During 2024, out of 8,294 trains, 3,327 were out of the optimal range for combustion in thermal power plants (above 7,500 kJ/kg or below 6,100 kJ/kg). A particular issue was the BTS system, where in 2024 the percentage of trains out of range was 75%. Considering the expected coal quality in the upcoming period in the western part of the basin, it is necessary to connect the eastern and western parts of the Kolubara basin to achieve homogenization. Investments in 2028 relate to the procurement of software and equipment at Polje E and the Radljevo surface mine.
Institutions responsible for the implementation of measures and activities	Joint Stock Company “Electric Power Industry of Serbia”
Institutions responsible for monitoring implementation and reporting on realization	Ministry of Mining and Energy
Deadline for implementation	2028.
Required funds and source of financing	537,174,480 RSD (4.583 million EUR) EPS (own funds)
2026	
2027	
2028	537,174,480 RSD (4.583 million EUR)
Implementation indicator	Reduction of the number of trains out of range
Impact of the activity on the achievement of the objective	Ensuring the required coal quality
Impact on EE, climate, and environmental protection	Increased utilization of thermal power plant units and reduced coal consumption

Table 5.7.5-1: Activities for the implementation of measure U3-U3.1

Activity U3.1	Investment in mine modernization – construction of facilities and capital maintenance

Description	Investments in mine modernization, including facility construction and capital maintenance, total 7,290 meters. To concentrate production, planned investments are as follows: Rembas mine – 2,100 meters of new facilities (550 meters in Strmosten and 1,550 meters in IV Block); Soko mine – 2,880 meters (2,400 meters for facility construction and 480 meters for capital maintenance); Lubnica mine – 1,410 meters; and Štavalj mine – 900 meters
Institutions responsible for the implementation of measures and activities	Public Enterprise for Underground Coal Mining
Institutions responsible for monitoring implementation and reporting on realization	Ministry of Mining and Energy
Deadline for implementation	2028.
Required funds and source of financing	3,120,493,000 RSD (26.614 million EUR) Equity of the Public Enterprise for Underground Coal Mining
2026	1,100,647,000 RSD (9.387 million EUR)
2027	947,775,000 RSD (8.083 million EUR)
2028	1,072,071,000 RSD (9.147 million EUR)
Implementation indicator	Increase in production from the Public Enterprise for Underground Coal Mining (JP for PEU) by 100,000 tons by 2027 compared to 2023.
Impact of the activity on the achievement of the objective	Increase of 3% in coal quantities for industrial and general consumption from domestic production.

Table 5.7.5-2: Activities for the implementation of measure U3-U3.2

Activity U3.2	Investment in exploration works
Description	Investments in geological exploration for the purpose of opening new mining sites. For new geological exploration, a total of 14,610 meters of drilling from the surface and 15,230 meters from shafts are planned, amounting to a total of 29,840 meters by 2027 (10,225 meters in 2025; 10,550 meters in 2026; and 9,060 meters in 2027). The largest portion of this work is planned for the Soko mine (54%), including 4,410 meters of surface drilling and 11,750 meters from shafts.
Institutions responsible for the implementation of measures and activities	Public Enterprise for Underground Coal Mining
Institutions responsible for monitoring implementation and reporting on realization	Ministry of Mining and Energy
Deadline for implementation	2028.
Required funds and source of financing	118,979,200 RSD (1.015 million EUR) Equity of the Public Enterprise for Underground Coal Mining
2026	39,203,600 RSD (0.335 million EUR)
2027	41,077,800 RSD (0.350 million EUR)
2028	38,697,800 RSD (0.330 million EUR)
Implementation indicator	Ensuring the necessary reserves for exploitation in the upcoming period
Impact of the activity on the achievement of the objective	Increase in coal quantities for industrial and general consumption from domestic production
Impact on EE, climate, and environmental protection	None

Total funds for measure U3 (2026-2028)	3,239,472,200 RSD (27.62 million EUR)

5.8. Just Transition and Energy Poverty

The new energy policy introduced by the Strategy and the INECP represents complex activities aimed at reducing dependence on fossil fuels, improving the security, quality, and

efficiency of energy supply by turning to renewable energy sources and increasing energy efficiency. However, it also has a significant impact on the entire economy and society. In fact, the complexity of the energy sector and the definition and implementation of new policies in this area require the establishment of two new subfields for consideration in Program: just transition and energy poverty.

5.8.1. Just transition

The process of just transition implies the social acceptability of measures for restructuring, the shift towards new technologies and processes, and, in particular, the gradual reduction of electricity generation from coal. The goal of just transition is to promote an environmentally sustainable economy in a manner that is fair and inclusive for all – workers, enterprises, and the community.

The key activities necessary for establishing just transition governance are defined in the Just Energy Transition Plan of the Republic of Serbia for the period until 2030, adopted by the Government's Conclusion No. 05 312-7419/2025-2 of July 24, 2025.

For easier and more effective management of the just transition process, and for the successful implementation of measures and activities from the Just Energy Transition Plan, it is necessary to establish an adequate institutional and infrastructural framework.

The Ministry of Mining and Energy coordinates activities in the field of just transition. Within the Ministry of Mining and Energy, it is necessary to establish a dedicated Just Transition Unit, which will be operationally responsible for implementing the activities set out in the Just Energy Transition Plan. However, given the impact that the just transition process has on the overall socio-economic development of the Republic of Serbia, it is necessary for the Government of the Republic of Serbia to establish a special body – an Inter-Ministerial Committee for Just Transition. The Committee's mandate would be to provide high-level support, guidance, and/or enhancement of the implementation and monitoring of all activities required for the realization of the Just Energy Transition Plan, as well as to propose and establish financing mechanisms for the activities under the Plan and other measures related to the just transition process.

In addition to the Government's Inter-Ministerial Committee for Just Transition, it is necessary to establish an inter-sectoral working group composed of representatives of relevant ministries, as well as representatives of other national, regional, and local institutions and civil society organizations.

Furthermore, in addition to the measures defined in the Just Energy Transition Plan, the following measures should also be implemented:
PT1 – Establishment of an Information System for monitoring the indicators of implementation of measures and activities from the Just Transition Action Plan
PT2 – Amendments and supplements to the Just Transition Action Plan

Detailed data for each of the previously mentioned measures are presented in Tables 5.8.1 and 5.8.2.

Table 5.8.1: Activities for the implementation of measure PT1

Title	Establishment of an Information System for monitoring the indicators of implementation of measures and activities from the Just Transition Action Plan
Type	Institutional governance

Description	The information system would ensure the functional integration of all actors in the just transition process (the Ministry of Mining and Energy, the Ministry of Labor, Employment, Veteran and Social Affairs, the Ministry of Economy, and other relevant national authorities, local self-governments, companies – such as the Public Enterprise for Underground Coal Mining, EPS, and others).
Institutions responsible for the implementation of measures and activities	Government of the Republic of Serbia – Project Management Unit – Ministry of Mining and Energy
Deadline for implementation	2027.
Required funds and source of financing	EUR 200,000 (RSD 23,450,000), donation
Implementation indicator	Established and functional information system
Impact of the activity on the achievement of the objective	The implementation of a just transition has a positive impact on the decarbonization of the energy sector.

Table 5.8.2: Activities for the implementation of measure PT2

Title	Amendments and supplements to the Just Transition Action Plan
Type	Regulatory
Description	Revision of the existing Just Transition Action Plan during the Program period, in case of significant deviations in the timelines and modalities of coal mine closures and the decommissioning of thermal power plants.
Institutions responsible for the implementation of measures and activities	Government of the Republic of Serbia – Project Management Unit – Ministry of Mining and Energy
Deadline for implementation	If required
Required funds and source of financing	EUR 200,000 (RSD 23,450,000) , donation
Implementation indicator	Adopted amendments and supplements to the Just Transition Action Plan
Impact of the activity on the achievement of the objective	The implementation of a just transition has a positive impact on the decarbonization of the energy sector

5.8.2. Energy poverty

In addition to the just transition, energy poverty is another issue linked to the social acceptability of the planned energy development. One of the key measures envisaged by the Strategy, as well as by the Reform Agenda of the Republic of Serbia[58], is to ensure that household electricity prices are set so that the average tariff covers the cost of electricity supply. However, the implementation of this measure presents Serbia's energy policy with challenges related to energy poverty and the need to support vulnerable energy consumers by ensuring access to electricity at affordable prices. A similar problem also arises in the supply of natural gas and district heating.

As in the area of just transition, the issue of energy poverty is a new field that requires the establishment of an appropriate institutional and financial framework, as well as the following measures:
PT3 - Defining the necessary activities through the development and adoption of an Action Plan for reducing energy poverty
PT4 - Establishing a database that consolidates data from various ministries and institutions related to vulnerable consumers, social welfare beneficiaries, and others, which is necessary for a clear definition and fuller understanding of the problem, along with an information system for their monitoring and updating.

[58] Conclusion on the Adoption of the Reform Agenda of the Republic of Serbia 2024–2027, in accordance with the Growth Plan for the Western Balkans, and on the Acceptance of the Report on the Discussions with the European Commission regarding the preparation of the Reform Agenda, adopted by the Government at the session held on October 3, 2024.

Detailed data for each of the above-mentioned measures are presented in Tables 5.8.3. and 5.8.4.

Table 5.8.3: Activities for the implementation of measure PT3

Title	Preparation and adoption of the Action Plan for Reducing Energy Poverty
Type	Regulatory
Description	The document elaborates measures and activities to support vulnerable energy consumers by ensuring access to electricity (and potentially other forms of energy) at affordable prices.
Institutions responsible for the implementation of measures and activities	Government of Serbia – Project Management Unit – Ministry of Mining and Energy
Deadline for implementation	If required
Required funds and source of financing	EUR 200,000 (RSD 23,450,000), donation
Implementation indicator	Adopted Action Plan for Reducing Energy Poverty
Impact of the activity on the achievement of the objective	Reducing energy poverty positively contributes to enhancing the competitiveness of the energy sector.

Table 5.8.4: Activities for the implementation of measure PT4

Title	Establishment of an Information System with a Database on Energy Poverty
Type	Institutional governance
Description	The information system would ensure the functional integration of all actors involved in the process of adopting regulations related to energy poverty (the Ministry of Mining and Energy, the Ministry of Labor, Employment, Veteran and Social Affairs, the Ministry of Economy, and other relevant national authorities, as well as local self-governments, etc.).
Institutions responsible for the implementation of measures and activities	Government of Serbia – Project Management Unit – Ministry of Mining and Energy
Deadline for implementation	2027.
Required funds and source of financing	EUR 200,000 (RSD 23,450,000), donation
Implementation indicator	Established and functional information system and database
Impact of the activity on the achievement of the objective	Reducing energy poverty positively contributes to the decarbonization of the energy sector.

6. EFFECTS OF PROGRAM IMPLEMENTATION

All the measures, activities, and projects envisaged for implementation in the period 2025–2028, and presented by energy sectors, pursue the achievement of three overarching strategic objectives of energy development. In this regard, the foreseen activities in the renewable energy and energy efficiency sectors contribute positively to all three objectives.

1) Energy Security

Energy security in the transformation sectors (electric power and heat energy) is to be ensured through increasing the efficiency of production systems and reducing energy losses in transmission and distribution networks. It is foreseen that domestic electricity demand will be fully met from domestic production. Furthermore, energy security in the electricity sector will be enhanced by increasing transmission and distribution capacities, improving

the management of these capacities, as well as by the integration of the electricity market. In both sectors, a higher share of renewable energy sources will be achieved.

With regard to fossil fuel sectors, in the natural gas sector, energy security will be strengthened through the expansion of underground gas storage capacities, the construction of interconnections with North Macedonia and Romania, as well as through the revitalization and development of the transport network. In the oil sector, the defined objective concerning the stored quantities of mandatory oil and petroleum product reserves is being met, and a new supply route from Hungary is being opened. In the coal sector, ensuring a reliable domestic coal supply for the operation of thermal power plants is of crucial importance for maintaining energy security.

2) Decarbonization

Decarbonization of the energy sector will be achieved through increased utilization of renewable energy sources for electricity and heat generation, improvements in energy efficiency across all stages of the energy chain, while the revitalization of the natural gas transport and distribution network, as well as the development of product pipeline systems, will result in the reduction of fugitive emissions.

For a more intensive decarbonization of the energy sector, in particular the electricity sector, the simultaneous implementation of measures in the field of just transition is of paramount importance, especially those aimed at mitigating the adverse social impacts of potential coal mine closures.

3) Competitiveness of the Energy Sector

The enhanced competitiveness of the electricity sector will be reflected in improved reliability of the transmission and distribution systems, as well as in the security of consumer supply, and in faster and more efficient integration of renewable energy sources. In the district heating sector, a significant increase in the number of systems with consumption-based billing of delivered heat is anticipated, along with an expansion in the number of connected users. The development of natural gas transport and distribution networks will enable greater utilization of natural gas, while more efficient transportation of derivatives via product pipelines will contribute to reducing distribution costs for derivative suppliers.

Table 6.1 outlines the key impacts of implementing the measures, activities, and projects envisioned under the Program in the energy sector on energy security, decarbonization, and enhancing the sector's competitiveness.

Table 6.1: Impacts of Program implementation on the achievement of strategic goals[59]

Sector	Energy Security	Decarbonization	Competitiveness of the Energy Sector
Electric power sector	- Indigenous production fully covers domestic needs - Increased transmission and distribution capacities	- Growth in the share of RES in electricity production by 8.05%	- Increased reliability of the transmission and distribution system and security of supply to consumers

[59] See footnote 2

	and mitigation of the impact of aging infrastructure - More efficient management of the transmission and distribution system, integration of the electricity market		- Faster and more efficient integration of renewable energy sources
Heat energy sector	- Increased efficiency of the DH production systems by 1.3% - Reduced losses in DH distribution networks by 1.7% - Share of RES for heat production in DHSs increased by 3.3%		- - Increased number of DHS users by 3.67% - - Increased the number of DHSs with metered billing by 10%
RES	- Growth of the share of RES in electricity production by 8.05% - Growth of the share of RES in heat energy production in DHSs by 3.3%		
Energy efficiency	- Primary energy consumption reduced by 392.1 thousand toe - Final energy consumption for energy purposes reduced by 69.6 thousand toe		
Natural gas sector	- Storage of an additional 400 million m^3 enabled - Annual import of 1.6-2.5 billion Sm^3 from Romania and 1.5 billion Sm^3 from N. Macedonia enabled - Revitalized transmission network	-	- Growth of the share of natural gas sales on the free market by 1% - Transport system built in eastern, southern, and western Serbia
Oil sector	- Storage of mandatory reserves of oil and oil derivatives in the amount corresponding to 61 days of domestic consumption or 90 days of net imports has been ensured - Annual import of 5.5 million tons from Hungary has been enabled	- Lower emissions due to more efficient operation of the Pančevo Oil Refinery	- More efficient transport of derivatives on the Pančevo - Smederevo and Pančevo - Novi Sad routes
Coal sector	- Coal for the operation of the TPP is fully provided from indigenous production	-	-

The total value of investments required for the implementation of the measures from the Program is shown in Table 6.2. Of the total required 883.2 billion RSD, the largest part of the funds, about 71.8%, will be provided from loans from commercial banks and international financial institutions, about 26.7% are the own funds of energy companies, while about 1.5% of the funds are planned to be provided from the Budget of the Republic of Serbia. Viewed by sector, the electricity power sector accounts for about 76.4% of the

required funds, with about 40.4% of investments related to projects using RES for electricity production. The share of all other sectors is individually less than 10%: natural gas sector 8.6%, oil sector 5.0%, coal sector 4.8%, heat energy sector 2.8% and energy efficiency sector 2.4%.

Table 6.2: Investment value of the measures from the Program (1,000 RSD)[60]

Sector/ Area of activity	Budget RS/LSG	Own funds of business entities	Other sources	Total
Electric power sector	8,559,129	166,166,091	500,277,177	675,002,397
Heat energy sector	0	0	24,314,336	24,314,336
RES	23,450	52,000[61]	356,661,603[62]	356,737,053
Energy efficiency[63]	2.318.857	0	18,526,219	20,845,076
Natural gas sector	0	2,922,000	72,974,000	75,896,500
Oil sector	2,345,000	24,130,000	17,876,000	44,351,000
Coal sector	0	42,580,800	0	42,580,800
Just transition and energy poverty	0	0	93,800	93,800
Total	**13,246,436**	**235,338,891**	**634,061,532**	**883,107,359**

Table 6.3 shows the distribution of the types of measures and activities implemented by energy sub-sectors. The largest number of measures, about 79% of the total number, is of an investment type. Six regulatory measures include the adoption of one new law and a significant improvement of the regulatory framework of the energy sector through new and innovative by-laws and other regulations. Incentives and information measures are characteristic of the RES and energy efficiency sector. Institutional or governance measures are of a different nature, but they all relate to strengthening institutions and building the necessary capacities in the sector.

Table 6.3: Distribution of measures and activities in the Program according to types and energy sectors

Sector/ Area of activity	Measures and activities					
	Regulatory	Incentive	Informative	Institutional/ governance	Investment	Total
Electric power sector	2				13	15
Heat energy sector	1			1	14	16
RES	1	3	1	2	3	10
Energy efficiency	1		3		20	24
Natural gas sector				1	11	12
Oil sector					4	4

[60] The data are not final and refer only to those projects/activities for which values are known.
[61] Already included in the electricity sector.
[62] Already included in the electricity sector.
[63] Excluding investments that are already accounted for in the heat energy sector.

Coal sector					10	10
Just transition and energy poverty	2			2		4
Total	**7**	**3**	**4**	**6**	**75**	**95**

Conclusion of the Strategic Environmental Assessment of the Program for Implementation of the Energy Development Strategy of the Republic of Serbia until 2040, with projections until 2050, for the implementation period 2026–2028.

Within the Strategic Environmental Assessment process, 16 specific objectives and 33 indicators were defined for assessing the sustainability of the Program. The selection of objectives and indicators follows the approach applied in the Strategic Environmental Assessment Report for the Energy Development Strategy of the Republic of Serbia, considering that it was formally approved by the competent ministry and that the present document represents an implementation and operationalization of that Strategy.

The multi-criteria evaluation process involved 20 groups of defined measures and activities planned under the Program, assessed based on the criteria of impact intensive, spatial extent of potential impacts, and likelihood of impacts. Matrices were created to conduct a multi-criteria evaluation of defined measures and activities against the specific objectives and indicators. In this process, a strategic approach was dominantly applied, which considers trends that may arise as a result of activities in the energy sector. Subsequently, an assessment of possible cumulative and synergistic effects of priority activities and projects in relation to the area of strategic assessment was carried out.

Based on the evaluation, a number of strategically positive impacts of the Program have been identified, the most significant of which relate to environmental quality and socio-economic development. Improvements in environmental quality are reflected in the reduction of air, water, and soil pollution, as well as in the reduction of greenhouse gas emissions, resulting from: the application of Best Available Techniques (BAT) and innovative technological solutions in thermal power plants; the implementation of a broad range of energy efficiency measures contributing to the reduction of final energy consumption; the application of environmental protection measures across all individual sectors covered by the Program; and the development of transmission and distribution networks, which will significantly reduce energy losses. An increase in the share of renewable energy sources (RES) in electricity and heat generation is expected to have a positive impact on reducing air pollutant emissions through the introduction of cleaner technologies in energy production. The construction and reconstruction of planned hydropower plants are expected to have a positive effect on promoting economic development, reducing dependence on energy imports, and increasing the use of RES. The implementation of energy efficiency measures will further stimulate economic growth. The construction of additional gas and product pipeline interconnections, the expansion of gas storage capacities, and the development of oil and petroleum product storage facilities will have a positive impact on economic development, particularly along the corridors of planned regional systems and in areas surrounding storage sites. The energy renovation of the building stock and improvements in energy efficiency are expected to have positive effects on reducing air pollutant emissions as a result of decreased energy demand in public buildings, individual residential structures, and households.

Negative impacts have been identified as a consequence of the use and development of Serbia’s natural potentials, which inevitably represent the foundation for further advancement of the energy sector. Investment construction of replacement

capacities and existing surface mines places a considerable burden on spatial capacity, resulting in: pollution of environmental components, adverse health effects on the population, alteration of landscape character, degradation of biodiversity and geodiversity, and social implications reflected in negative public health outcomes. Naturally, the operation of thermal power plants has negative impacts primarily on air quality, water (including groundwater contamination), soil, and biodiversity. Certain adverse effects may also occur in cases of inadequate planning of hydropower plant construction, as this can negatively affect river hydrology, biodiversity, ichthyofauna, benthic organisms, and potentially lead to changes in the use of agricultural and forest land. Potential negative implications of renewable energy sources may arise from specific projects affecting natural resources and biodiversity — for instance, wind farms may impact bird (ornithofauna) and bat (chiropterofauna) populations — as well as from landscape alterations associated with their development.

The evaluation results indicated that the Program implementation produces a significant number of strategically important positive implications for the environment and space, with only a few potential negative impacts on environmental elements. When technical information and technological specifications of energy facilities and infrastructure become available at a more detailed level, environmental impacts and corresponding environmental protection measures will be further considered.

Considering the comprehensiveness of the Program, only strategically significant and framework measures for preventing and mitigating negative environmental impacts are provided. Some of the planned projects are of an investment nature, and their implementation is planned through planning documentation, project documentation, or direct execution, leaving room for measures to be adapted according to the specific project and the conditions prevailing at the time. All measures prescribed by the Strategic Environmental Assessment of the Integrated National Energy and Climate Plan of the Republic of Serbia for the period up to 2030 with a vision to 2050, as well as the Strategic Environmental Assessment of the Energy Development Strategy of the Republic of Serbia until 2040 with projections to 2050, must be strictly respected and applied during the implementation of the Program.

Based on the environmental protection goals and criteria defined in policies and strategies within adopted documents, and considering the inherited state of the environment as well as projections of economic and spatial development, it is necessary to apply comprehensive spatial, technical-technological, urban-ecological, organizational, and other protective measures in the implementation of the Program. The effectiveness of the defined strategic environmental protection measures is further supported by a system for environmental monitoring, which is carried out through systematic measurement, testing, and assessment of environmental status and pollution indicators. It is important to emphasize that the key areas of monitoring include water, air, soil, noise, electromagnetic radiation, and natural values.

During the programming and planning of Program activities, a preventive approach to preserving public health, natural resources, and environmental protection is mandatory, while adhering to generally accepted criteria, legal standards, and environmental and human health protection norms.

Considering all of the above, it can be concluded that the Program provides a framework for sustainable development of the energy sector in the Republic of Serbia. Except for the inevitable consequences associated with the use of mineral resources, almost all areas of the

SIP are expected to contribute to a significant improvement in environmental quality compared to the current state and existing trends. In this context, in areas operating under specific energy-related conditions, the defined environmental protection measures and energy efficiency measures by Program sectors, as well as the provisions of the Strategic Environmental Assessment Report, must be consistently implemented, making the Program acceptable under these conditions.

7. FINAL PROVISIONS

This Program shall be published on the website of the Government of the Republic of Serbia and on the website of the Ministry of Mining and Energy.

This Program shall be published in the "Official Gazette of the Republic of Serbia".

05 Number:
In Belgrade, March 5th 2026

Government

President

Prof. dr Djuro Macut