



**Republika e Kosovës**

**Republika Kosova - Republic of Kosovo**

*Qeveria - Vlada - Government*

*Ministria e Ekonomisë - Ministarstvo Ekonomije - Ministry of Economy*

# IMPLEMENTATION PROGRAM OF THE ENERGY STRATEGY OF KOSOVO (IPESK) FOR THE PERIOD 2022-2025





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**IMPLEMENTATION PROGRAM OF THE ENERGY  
STRATEGY OF KOSOVO (IPESK) FOR THE PERIOD 2022-2025**

Pristina, september 2023

## Abbreviations

EU	European Union
RES	Renewable Energy Sources
RES-E	Electricity generated from renewable sources
CERT	Community Emergency Response Team
CO <sub>2</sub>	Carbon Dioxide
EE	Energy Efficiency
ESCO	Energy Service Company
ESIA	Environmental and Social Impact Assessment
IMES	Implementation Program of the Energy Strategy
KEEF	Kosovo Efficient Energy Fund
GG	Greenhouse Gas
IPF9	Infrastructure Project Facility - Technical Assistance 9
KEDS	Kosovo Electricity Distribution Company
KEK	Kosovo Energy Corporation
KfW	Reconstruction Credit Institute
KOSTT	Kosovo Transmission System and Market Operator
Ktoe	Kiloton of Oil Equivalent
MESTI	Ministry of Education, Science, Technology and Innovation
MCAK	Millennium Challenge Account-Kosovo
MCC	Millennium Challenge Corporation
ME	Ministry of Economy
MFK	Millennium Foundation Kosovo
MFLT	Ministry of Finance, Labour and Transfers
MESPI	Ministry of Environment, Spatial Planning and Infrastructure
MW	Megawatt
MWt	Megawatt Thermal
NO <sub>x</sub>	Nitrogen Oxides
CH	Central Heating
DSO	Distribution System Operator
TSO	Transmission System Operator
SAIDI	System Average Interruption Duration Index;
SAIFI	System Average Interruption Frequency Index
SCADA	Supervisory Control and Data Acquisition
SO <sub>2</sub>	Sulfur Dioxide
EU ETS	European Union Emissions Trading System
WBIF	Western Balkans Investment Framework
ERO	Energy Regulatory Office

## Summary

Drafting of the Implementation Program of the Energy Strategy of Kosovo (IPESK) for the period 2022-2025 is based on the Energy Strategy of the Republic of Kosovo for the period 2022-2031. The basic methodology for drafting and monitoring of the Program is based on Law No. 05/L-081 on Energy and Administrative Instruction of the Government of the Republic of Kosovo No. 07/2018 on Planning and Drafting Strategic Documents and Action Plans. All relevant institutions were involved in the preparation of the Program, and public discussions were held as provided by the legislation.

The Implementation Program of the Energy Strategy of Kosovo (IPESK) for the period 2022-2025 includes investment projects in all links of the systems, by which a reliable and uninterrupted supply of energy, especially the electric one, shall be ensured. Furthermore, it includes important activities and projects that enable the implementation of the orientation of the Government for decarbonization of the energy sector based on Kosovo's commitments to the Berlin Process and the Treaty establishing the Energy Community in accordance with the approved decarbonization map, and Kosovo has agreed that to contribute to the achievement of the decarbonization targets by 2030, including the target of Renewable Energy Sources (RES) at thirty-two percent (32%) of the gross final energy consumption, the maximum Final Energy Consumption (FEC) of one thousand eight hundred (1800) ktoe (Kiloton of Oil Equivalent) as well as the limit of greenhouse gases of eight point ninety five (8.95) Million tons in 2030. This Program sets forth appropriate measures and activities leading towards their achievement. The energy market and its integration into the regional market, as well as addressing energy poverty and gender equality, including environmental and social issues, are also important elements addressed in the Implementation Program of the Energy Strategy of Kosovo (IPESK) for the period 2022-2025 as a derivative of the Energy Strategy of the Republic of Kosovo for the period 2022-2031.

The Implementation Program of the Energy Strategy of Kosovo (IPESK) for the period 2022-2025 presents a list of five (5) strategic objectives, fifteen (15) specific objectives and ninety (90) activities planned to be undertaken for the development of the energy sector. The Program includes the projects and activities of energy sector institutions, namely it includes projects/activities that started before or even during 2022, projects/activities that start and end during the period 2022-2025; as well as projects which started during the years 2022-2025, but which will continue even after 2025.

Projects and activities within the Implementation Program of the Energy Strategy of Kosovo (IPESK) are shown in tables according to each strategic and specific objective defined in the Energy Strategy of the Republic of Kosovo for the period 2022-2031:

The estimated cost of achieving the strategic objectives for the period 2022-2025 is specified for each activity. The planned cost of implementing the Program is around one billion and twelve million (1.012) euros, while the sources of funding for the activities defined in the Program are diverse, including the Budget of the Republic of Kosovo (BRK), own investments of energy

enterprises, private investments, loans and donations from various local and international financial institutions.

Implementation of the Program shall begin by all responsible parties, as defined in the Program, after the approval of the Implementation Program of the Energy Strategy of Kosovo (IPESK) for the period 2022-2025 by the Government of the Republic of Kosovo. The Ministry of Economy (ME), responsible to supervise the implementation of the Program, will monitor the implementation and prepare regular reports in accordance with Administrative Instruction No. 07/2018.



<b>SO1: IMPROVING SYSTEM RESILIENCE</b>					
No.	Strategic and specific objectives, indicators and actions	Baseline value	Interim target 2025	Final year target 2031	Outcome
<b>I. STRATEGIC OBJECTIVE: IMPROVING SYSTEM RESILIENCE</b>					
1	Indicator: System Average Interruption Duration Index (SAIDI)	SAIDI: 80.83 hours / years (2021)	SAIDI: 63 hours/year	SAIDI: 51.84 hours/year	
2	Indicator: System Average Interruption Frequency Index (SAIFI)	SAIFI: 58.27 (2021)	SAIFI: 49	SAIFI: 40.86	
<b>I.1 Specific objective: Enhancing system flexibility</b>					
Indicator		Baseline value	Interim target 2025	Final year target 2031	Reference to documents
1 Level of flexible regulation capacity		5 MW (2022)	5 MW	170 MW	
Action		Deadline	Year	Year	Lead and supporting institution
I.1.1 Preparation of the prefeasibility, feasibility and technical designs for the battery storage system		2025	2023	2024	MCC, MEKO STT
I.1.2 Technical and legal support for battery registration - MCC project		2025	€ -	\$ 1,916,000.00	\$ 2,034,667.00
					Technical documentation prepared
					Energy Strategy 2022-2031

I.1.3	Gas Development Master Plan & Strategic Environmental Assessment (SEA)	2023	€ 750,000.00	€ 750,000.00	€ -	€ -	WBIF / IPF9	ME, MESPI, MIET	Finalized Gas Master Plan and Strategic Environmental Assessment	Energy Strategy 2022-2031
I.1.4	Feasibility study on the North Macedonia – Kosovo Gas Interconnection Pipeline	2023	€ 325,000.00	€ 325,000.00	€ -	€ -	WBIF/IPF9	ME, MESPI, MIET	Finalized Feasibility Study and ESIA Scoping	Energy Strategy 2022-2031
I.1.5	Study for the identification of geothermal energy potential in Kosovo	2025	€ -	€ -	€ -	€ 750,000.00	Donor	ME	Feasibility study initiated	Energy Strategy 2022-2031
	Total budget for Specific Objective I.1		€ 1,075,000.00	€ 4,171,837.00	€ 5,113,304.00	€ 3,037,746.00				
	Of which capital		€ 1,075,000.00	€ 4,171,837.00	€ 5,113,304.00	€ 3,037,746.00				
	Of which recurrent:									
<b>I.2 Specific objective: Modernization of networks and reducing network losses</b>										
	Indicator		Baseline value		Interim target 2025		Final year target 2031			
1	Distribution losses		18.48% [2021]		13.3 %		9%			
2	Amount of vRES capacity that the network is able to handle/integrate		147 MW [2021]		500 MW		2000 MW			
No.	Action	Deadline	Year	Year	Year	Year	Lead and supporting institution	Source of funding	Output	Reference to documents
I.2.1	Development of system support (SCADA & Telecommunication)	Yearly	€ -	€ 5,684,923.33	€ 4,063,814.93	€ 1,863,702.50	KOSTT	KOSTT	ENTSO-E requirements fulfilled	Energy Strategy 2022-2031

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1.2.2	Reinforcement and rehabilitation of existing power grid (TSO)	Yearly	€ 2,400,000.00	€ 2,260,000.00	€ 1,063,542.37	€ 1,354,203.39	KOSTT	KOSTT	Increased network reliability and security	Energy Strategy 2022-2031
1.2.3	Construction of new transmission and transformation capacities - Variable shunt reactor (100 MWAr)	2025	€ -	€ 1,000,000.00	€ -	€ 3,449,152.54	KOSTT	KOSTT	Increased network reliability and security. Fulfillment of Grid Code requirements	Energy Strategy 2022-2031
1.2.4	Load support/ New 110/10 (20) kV nodes (TSO & DSO) - (SS Katrioti Ferizaj 3 and TS Malisheva)	Yearly	€ 3,000,000.00	€ 5,061,277.00	€ 10,094,931.52	€ -	KOSTT	KOSTT	Reduction of not-served energy & power losses	Energy Strategy 2022-2031
1.2.5	Medium Voltage 35/10(20) kV projects	Yearly	€ 9,247,735.33	€ 13,216,444.00	€ 8,800,613.00	€ 7,232,203.00	KEDS	KEDS	Improved quality of electricity supply	Energy Strategy 2022-2031 Development and Investment Plan of the Distribution System Operator for the period 2023-2027
1.2.6	Low Voltage 0.4 kV projects	Yearly	€ 6,086,381.41	€ 7,025,149.00	€ 13,795,229.00	€ 9,677,563.00	KEDS	KEDS	Improved quality of electricity supply	Energy Strategy 2022-2031 Development and Investment Plan of the Distribution System Operator for the period 2023-2027

1.2.7	Smart Network	Yearly	€ 14,513.93	€ 2,413,843.29	€ 3,444,527.64	€ 1,765,071.00	KEDS	Improved quality of electricity supply
1.2.8	Meter installations	Yearly	€ 1,612,032.60	€ 4,000,015.00	€ 2,494,035.00	€ 2,111,940.00	KEDS	Reduction of commercial losses. For the period 2022-2025, it is planned to install about 121,782 new meters - new connections, while it is planned to change about 86,578 meters.
1.2.9	Capital investments in information technology	Yearly	€ 896,096.30	€ 1,544,650.00	€ 2,147,700.00	€ 1,331,800.00	KEDS	Secured operation of the DSO
	Total budget for Specific Objective I.2		€ 23,256,759.57	€ 42,206,301.62	€ 45,904,393.46	€ 28,785,635.43		
	Of which capital		€ 23,256,759.57	€ 42,206,301.62	€ 45,904,393.46	€ 28,785,635.43		

			7	2				
	Of which recurrent							
<b>I.3 Specific objective: Rehabilitation of existing electricity production capacities</b>								
	Indicator		Baseline value		Interim target 2025		Final year target 2031	
1	Number of refurbished lignite units		0 [2021]		2		3 or 4	
2	Number of phased out lignite units		0 [2021]		0		1 or 2	
No.	Action	Deadline	Budget		Source of funding		Lead and supporting institution	
		Year	Year	Year	Year		Output	Reference to documents
I.3.1	Refurbishment of Kosovo B1 unit	2024	€ 7,500,000.00	€ 88,000,000.00	€ -	KEK - €49.5 million EU Grant -€ 38.5 million (Electrofilter & De-Nox)	KEK, ME, ERO	Energy Strategy 2022-2031 Development strategy of KEK 2021-2025
I.3.2	Refurbishment of Kosovo B2 unit	2025	€ -	€ 7,500,000.00	€ -	KEK - €49.5 million EU Grant -€ 38.5 million (Electrofilter & De-Nox)	KEK, ME, ERO	Capacity increase from 130 MW to 180 MW Emission reduction of Dust, NOx and SO <sub>2</sub>
I.3.3	Refurbishment of one Kosovo A unit	2024	€ 15,000,000.00	€ 105,000,000.00	€ -	KEK	KEK, ME, ERO	Energy Strategy 2022-2031
I.3.4	Machinery, conveyor belts, expropriations and other investments in mines expropriation	2024	€ 3,800,000.00	€ 48,200,000.00	€ 28,340,000.00	KEK	KEK, ME, ERO	Investment in mines Energy Strategy 2022-2031

	Total budget for Specific Objective I.3	€ 3,800,000.00	€ 78,200,000.0	€ 221,340,000.0	€ 116,340,000.0	€ 0	
	Of which capital	€ 3,800,000.00	€ 78,200,000.0	€ 221,340,000.0	€ 116,340,000.0	€ 0	
	Of which recurrent						
<b>I.4 Specific objective: Ensuring cybersecurity of energy sector</b>							
	Indicator	Baseline value		Interim target 2025		Final year target 2031	
1	Cyber response capabilities in the energy sector	Not in place		In place		In place	
No.	Action	Deadline	Budget	Year 2023	Year 2024	Year 2025	Source of funding
I.4.1	Adoption of Law on Security of Networks and Information Systems	2022	€ 120,000.00	€ -	€ -	€ -	Kosovo Budget
I.4.2	Adoption of secondary legislation deriving from Law on Security of Networks and Information Systems	2023	€ -	€ 100,000.00	€ -	€ -	Kosovo Budget
I.4.3	Establishment of Energy sectorial Computer Emergency Response Team (eCERT) in Kosovo	2025	€ -	€ 252,250.00	€ 300,000.00	€ 50,000.00	ME, National CERT, MIA, ERO, KOSTT, KEK, KEDS
	Total budget for Specific Objective I.4	€ 120,000.00	€ 352,250.00	€ 300,000.00	€ 300,000.00	€ 50,000.00	


## SO2: DECARBONIZATION AND PROMOTING RENEWABLE ENERGY

No.	Strategic and specific objectives, indicators and actions	Baseline value	Interim target 2025	Final year target 2031	Outcome
<b>II. STRATEGIC OBJECTIVE 2: DECARBONIZATION AND PROMOTING RENEWABLE ENERGY</b>					
1	Indicator: GHG reduction in the power sector compared to 2019	0% [2019] (6316 ktCO <sub>2</sub> )	0%	-32%	
2	Indicator: Renewable share in the electricity sector consumption (RES-E share)	6.3% [2021]	Minimum 13%	Minimum 35%	
<b>II.1 Specific objective: Gradual implementation of carbon pricing</b>					
Indicator	Baseline value	Interim target 2025	Final year target 2031	Reference to documents	
Gradual introduction of carbon pricing	Not introduced [2021]	Preparation for a carbon pricing system completed	Integration into the EU ETS		
No.	Action	Deadline	Budget	Lead and supporting institutions	Output
II.1.1	Drafting of the long-term decarbonization Strategy	2024	€ - 37,228.13	€ - 32,228.13	Strategy drafted and approved
II.1.2	Transposing and implementing the MRR (EU) 2018/2066, AVR (EU) 2018/2067, and AR regulations (EC) 765/2008	2025	€ - 26,296.00	Kosovo Budget € 26,296.00	Transposed regulation related to monitoring, reporting and verification

II.1.3	Setting up the supporting infrastructure and governance system	2025	€ -	€ -	€ 13,000.00	€ 13,000.00	Kosovo Budget	ME, MESPI (co-lead)	Functionalization of the governance system for monitoring, reporting and verification of carbon emissions	Draft Law on Climate Change
II.1.4	Carbon pricing impact study	2024-2025	€ -	€ -	€ -	€ 600,000.00	FMN	MMPHI	Study completed	
	Total budget for Specific Objective II.1		€ -	€ 37,228.13	€ 71,524.13	€ 639,296.00				
	Of which capital									
	Of which recurrent:			€ 37,228.13	€ 71,524.13	€ 639,296.00				
<b>II.2 Specific objective: Promoting renewable energy in electricity consumption</b>										
	<b>Indicator</b>		<b>Baseline value</b>			<b>Interim target 2025</b>	<b>Final year target 2031</b>			
1	RES capacity in the electricity sector (including prosumers)		279 MW [2021]			490 MW	1600 MW			
2	Prosumer capacity		2 MW [2021]			30 MW	Minimum 100 MW			
No.	Action	Deadline	Year	Year	Year	Budget	Source of funding	Lead and supporting institution	Output	Reference to documents
II.2.1	Drafting and Adoption of the law on Renewable Energy Sources	2023	€ 12,000.00	€ 2,000.00	€ -	€ -	ME, Donor	ME	Law on RES drafted and approved	Energy Strategy 2022-2031
II.2.2	Adoption of secondary legislation related to the law on Renewable Energy Sources	2024	€ -	€ 8,000.00	€ 8,000.00	€ -	ME, Donor	ME, ERO	Secondary legislation adopted	Energy Strategy 2022-2031

II.2.3	Drafting of secondary legislation on prosumers	2023	€ 6,000.00	€ -	€ -	€ -	Donor	ERO	Secondary legislation adopted	Rule on prosumers
II.2.4	Finalization of the DSO connection charging methodology	2023	€ 20,000.00	€ -	€ -	€ -	ERO	ERO, DSO, Supplier	Network integration	Network Codes
II.2.5	Drafting of the National Energy and Climate Plan 2025-2030	2024	€ -	€ 30,000.00	€ 10,000.00	€ -	GIZ	ME, MESPI	NECP finalized and approved	Energy Strategy 2022-2031
II.2.6	Announcement on the first pilot auction	2023	€ 4,000.00	€ 20,000.00	€ -	€ -	Kosovo Budget	ME, ERO	Setting up competitive auctions to increase the share of RES starting with 100 MW	Energy Strategy 2022-2031
II.2.7	Awarding and contracting of the first pilot auction	2023	€ -	€ 4,000.00	€ -	€ -	Kosovo Budget	ME, ERO	ME, ERO	Energy Strategy 2022-2031
II.2.8	Construction of the awarded capacities (100 MW)	2025	€ -	€ -	€ 75,000,000.00	€ -	Private investment	ME, ERO	100 MW solar PV plant constructed	Energy Strategy 2022-2031
II.2.9	Establishment of the unit for the development of RES capacities	2024	€ -	€ -	€ 36,000.00	€ -	Kosovo Budget	ME	Unit for the development of RES capacities established	Energy Strategy 2022-2031
II.2.10	Construction of 100 MW solar power plant at KEK	2025	€ -	€ 500,000.00	€ 65,000,000.00	€ 40,000,000.00	10,000,000 € KEK Loan from KfW, EIB	KEK	Construction of 100 MW solar power plant, expected to be operationalized in 2025	Energy Strategy 2022-2031 Development strategy of KEK 2021-2025
II.2.11	Feasibility study on the identification of public owned land suitable for PV and wind (phase three)	2023	€ -	€ 299,000.00	€ -	€ -	European Commission	ME, MESPI	Assessment of suitable RES locations in publicly owned forest areas	Energy Strategy 2022-2031
II.2.12	Preparatory work for the launch of the second technology specific auction	2024	€ 9,000.00	€ 9,000.00	€ -	€ -	ME, Donor	ME	Tender Dossier drafted and auction launched	Energy Strategy 2022-2031

II.2.1 3	Support for wind generation capacities, including technical preparation of site specific projects	2025	€ -	€ 500,000.00	€ 1,000,000.00	€ 500,000.00	Donor	Donor	Technical studies, wind measurements and other relevant Technical Assistance	Energy Strategy 2022-2031
II.2.1 4	Promote and facilitate the adoption of renewable energy sources and energy-efficient practices	2026	€ 264,100.00	€ 2,413,100.00	€ 1,715,300.00	Lux Dev	ME, KEEF, MESPI	Implementation of RES& EE measures, assist in drafting the regulatory framework for EES & EE and providing access to financial mechanisms for small-scale RES and EE	Implementation of RES& EE measures, assist in drafting the regulatory framework for EES & EE and providing access to financial mechanisms for small-scale RES and EE	Energy Strategy 2022-2031
Total budget for Specific Objective II.2			€ 42,000.00	€ 1,636,100.0	€ 143,476,100.0	€ 42,215,300.0				
Of which capital			€ -	€ 799,000.00	€ 140,000,000.0	€ 42,215,300.0				
Of which recurrent			€ 42,000.00	€ 837,100.00	€ 44,000.00	€ -				
II.3	<b>Specific objective: Promoting the use of sustainable renewable energy in heating</b>									
No.	Action	Deadline	Baseline value	Interim target 2025	Final year target 2031	Budget	Lead and supporting institution	Source of funding	Output	Reference to documents
1	Installed RES capacity in district heating systems	15 MW <sup>th</sup>		Minimum 65 MW <sup>th</sup>	To be determined by the Feasibility Study					

II.3.1	Feasibility study & Environmental and social impact assessment (ESIA) for district heating systems in 9 municipalities of Kosovo (Gjilan, Ferizaj, Prizren, Pejë, Drenas, Obiliq, Mitrovica North and South & Zveçan)	2023	€ 1,000,000.00	€ 1,350,000.00	€ -	WBIF/TPF10	ME, PMO Municipalities , MESPI, MFLT Feasibility Study and ESIA Finalized
II.3.2	Solar4Kosovo – Feasibility study for development of the solar district heating Project	2024	€ -	€ -	€ 1,000,000.00	KfW, EBRD	Energy Strategy 2022-2031 Development plan of Termokos Feasibility study Completed
II.3.3	Construction of the solar district heating Project – Solar4Kosovo	2027	€ -	€ 45,520,162.00	€ 36,000,000.00	KfW, EBRD, WBIF , National Contribution	Additional 50 MWth energy from solar energy for Termokos, benefiting up to 12,000 families.
	Total budget for Specific Objective II.3		€ 1,000,000.00	€ 1,350,000.00	€ 46,520,162.00	€ 36,000,000.00	Energy Strategy 2022-2031 Development plan of Termokos
	Of which capital		€ 1,000,000.00	€ 1,350,000.00	€ 46,520,162.00	€ 36,000,000.00	
	Of which recurrent						

### SO3: INCREASING ENERGY EFFICIENCY

No.	Strategic and specific objectives, indicators and actions	Baseline value	Interim target 2025	Final year target 2031	Outcome
<b>III. STRATEGIC OBJECTIVE 3: INCREASING ENERGY EFFICIENCY</b>					
1	Indicator: Final energy consumption level	1516 ktoc [2017]	1709 ktoc	1877 ktoc	
2	Indicator: Cumulative energy savings achieved in the building sector	2.7 ktoc [2021]	17.76 ktoc	266.4 ktoc	
<b>III.1 Specific objective: Improving the energy efficiency of buildings</b>					
Indicator	Baseline value	Interim target 2025	Final year target 2031		
1 Total cumulative energy savings of public buildings	2.6 ktoc [2021]	3.3 ktoc	33.9 ktoc		
2 Total cumulative energy savings of residential & commercial buildings	0.1 ktoc [2021]	14.46 ktoc	232.5 ktoc		
3 Number of near zero energy buildings	0	10	150		
No.	Action	Deadline	Budget	Source of funding	Lead and supporting institution
		Year 2022	Year 2023	Year 2024	Year 2025
III.1.1 Revision of the Law on Energy Efficiency	2023	€ -	€ 10,800.00	€ -	€ -
				Kosovo Budget, Donors	ME, MESPI, KEEF
					Law on Energy Efficiency
					Energy Strategy 2022-2031

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								adopted	
III.1.2	Adoption of secondary legislation related to Energy Efficiency Law	2024	€ -	€ 90,000.00	€ -	Kosovo Budget, Donors	ME, MESPI, KEEF	Secondary legislation adopted	Law on Energy Efficiency
III.1.3	Revision of the Law on Energy Performance of Buildings	2023	€ 22,600.00	€ -	€ -	Kosovo Budget: € 22,600 Donors: € 70,000	MESPI	Law on Energy Performance of Buildings adopted	National Development Plan 2023-2025
III.1.4	Adoption of secondary legislation related to Energy Performance of Buildings	2024	€ 150,000.00	€ 20,000.00	€ -	150,000 Euro - Donors	MESPI	Secondary legislation adopted	Law on Energy Performance of Buildings
III.1.5	Developing the National Register for energy performance in buildings	2023	€ 90,000.00	€ 20,000.00	€ -	Kosovo Budget: € 20,000 Donors: € 90,000	MESPI, ME	Functional National registry in place	Law on EE & Law on Energy Performance of Buildings
III.1.6	Drafting and approval of the Building Renovation Strategy	2024	€ -	€ 25,000.00	€ -	Donors	MESPI	Building Renovation Strategy is adopted	Law on EE & Law on Energy Performance of Buildings
III.1.7	Public awareness campaigns	Yearly	€ 10,000.00	€ 5,000.00	€ 5,000.00	Kosovo Budget, Donors	ME, KEEF, MESPI	Public campaigns organised	Energy Strategy 2022-2031
III.1.8	Implementation of energy efficiency measures in public buildings (central level)	2023	€ -	€ 2,400,000.00	€ -	Kosovo Budget, Donors (WB - KEEREP)	ME	12 public buildings at the central level (05. ktroe)	Energy Strategy 2022-2031
III.1.9	Implementation of energy efficiency measures in public buildings (municipal level)	Yearly	€ 6,435,061.23	€ 9,924,938.77	€ 500,000.00	€ 1,000,000.00	KEEF	Energy saving around 3 ktroe/year	Energy Strategy 2022-2031

III.1.1 0	Implementation of the energy efficiency measures in public buildings (municipal level)	2023	€ -	€ 2,500,000.00	€ 5,000,000.00	Kosovo Budget, KfW, WBIF	ME	8 school facilities (1 ktoc)	Energy Strategy 2022-2031
III.1.1 1	Implementation of energy efficiency measures in public buildings in Prishtina (municipal level)	2025	€ -	€ 1,000,000.00	€ 2,000,000.00	Green Cities Framework 2 -EBRD Loan	Pristina Municipality	Implementation of EE measures in 47 municipally owned buildings. Energy savings 1 ktoc	Energy Strategy 2022-2031
III.1.1 2	Implementation of energy efficiency measures in public buildings in Prizren (municipal level)	2025	€ -	€ 1,000,000.00	€ 2,000,000.00	EBRD Loan	Prizren Municipality	Implementation of EE measures in 47 municipally owned buildings. Energy savings 1 ktoc	Energy Strategy 2022-2031
III.1.1 3	Implementation of energy efficiency measures in the residential sector (26 multiapartment buildings)	2022	€ 4,850,000.00	-	€ -	Millennium Foundation Kosovo	MFK, ME Municipality	26 multi-apartment building renovated, reaching savings up to 30%	Law on EE & Law on Energy Performance of Buildings, 4th National Action Plan for Energy Efficiency
III.1.1 4	Feasibility study for implementation of energy efficiency measures in the residential and private sector	2024	€ -	€ -	€ 200,000.00	Donors (WBIF)	KEEF	Feasibility study finalised	Energy Strategy 2022-2031

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III.1.1 5	Implementation of energy efficiency measures in the residential sector (individual houses)	2024	€ -	€ 5,000,000.00	€ 5,000,000.00	€ -	European Commission / IPA grants	KEFF	Energy saving- 2 ktoe/year	Energy Strategy 2022-2031
III.1.1 6	Implementation of energy efficiency measures in the residential sector (social multiapartment buildings owned by municipalities)	2024	€ -	€ 5,000,000.00	€ 5,000,000.00	€ -	European Commission / IPA grants	KEFF	Energy saving- 2 ktoe/year	Energy Strategy 2022-2031
III.1.1 7	Implementation of energy efficiency measures in the Residential and Private Sector	2025	€ -	€ -	€ -	€ 1,960,000.00	Donors (WBIF)	KEFF	Energy saving- 1.4 ktoe	Energy Strategy 2022-2031
III.1.1 8	Implementation of energy efficiency measures in the residential sector	2022/2023	€ 5,000,000.00	€ 10,000,000.00	€ -	€ -	Kosovo Budget, Donors (KE)	ME	Subsidy schemes for efficient heating equipment, home appliances & solar systems	Energy Strategy 2022-2031
III.1.1 9	Implementation of energy efficiency measures in the private sector (Micro, Small and Medium enterprises- MSMEs)	2023	€ -	€ 5,000,000.00	€ -	€ -	European Commission	ME	Subsidy schemes for efficient heating equipment, work equipment & solar systems	Energy Strategy 2022-2031
III.1.2 0	Installation of solar systems in regional water companies (RWC)	2024	€ -	€ 100,000.00	€ 14,900,000.00	€ -	KW	ME	Diversification of energy sources in RWC, coverage of 26% of energy consumption	Energy Strategy 2022-2031

							by RES	
III.1.2 1	Development of the ESCO market	2024 /2025	€ -	€ 10,000.00	€ 40,000.00	Donors ME	Three types of model contracts for ESCOs and methodologies for ESCO selections are developed	Administrativ e Instruction for Energy Service Providers
Total budget for Specific Objective III.1	16,557,661.2	€ 3	39,480,738.7	€ 7	32,230,000.0	€ 0	12,000,000.0	
Of which capital	16,295,061.2	€ 3	39,429,938.7	€ 7	32,105,000.0	€ 0	11,960,000.0	
Of which recurrent:	262,600.00	€	50,800.00	€	125,000.00	€	40,000.00	
<b>III.2</b>	<b>Specific objective: Promotion of efficient cogeneration and efficient district heating systems</b>							
	Indicator	Baseline value		Interim target 2025		Final year target 2031		
1	Increased capacity of cogeneration at Termokos (Prishtina)	140 MWth		140 MWth		280 MWth		
2	Number of customers connected to the district heating systems (Prishtina & Gjakova)	17,791		24,560		38240		
No.	Action	Deadline	Year 2022	Year 2023	Year 2024	Year 2025	Source of funding	Lead and supporting institution
No.	Action	Deadline	Year 2022	Year 2023	Year 2024	Year 2025	Output	Reference to documents

III.2.1	Expansion and rehabilitation of the district heating network of Prishtina	Yearly	€ 9,200,000.00	€ 6,676,063.00	€ 2,835,663.00	€ 1,164,906.00	KfW/Termokos	Termokos
III.2.2	Feasibility study on thermal capacity increase at TPP Kosovo B cogeneration from 140 MWh to 280 MWh	2023	€ -	€ 1,500,000.00	€ -	€ -	IPA 2020 / Municipality of Prishtina / Termokos	Termokos / KEK
III.2.3	Doubling the cogeneration production capacity from 140 MWh to 280 MWh and expanding the transmission network	2027	€ -	€ 12,000,000.00	€ 0	€ 13,000,000.00	Donors/Municipality of Prishtina/ Termokos	Termokos / KEK
III.2.4	Support of DH metering equipment for customers of Termokos	2023	€ 6,000,000.00	€ 4,000,000.00	€ -	€ -	MFK	MFK / Termokos
								Energy Strategy 2022-2031 Development plan of Termokos 2022-2031
								Energy Strategy 2022-2031 Development plan of Termokos 2022-2031
								Energy Strategy 2022-2031 Development plan of Termokos 2022-2031
								Energy Strategy 2022-2031 Development plan of Termokos 2022-2031

III.2.5	Improving the District Heating Performance in Gjakova	2023	€ 2,361,000.00	€ 823,000.00	€ -	€ -	District Heating development plan 2022-2023
							Improved performance, heating network upgrade of the regional hospital; connection of additional public building
	Total budget for Specific Objective III.2		€ 17,561,000.00	€ 12,999,063.00	€ 14,835,663.00	€ 14,164,906.00	
	Of which capital		€ 17,561,000.00	€ 12,999,063.00	€ 14,835,663.00	€ 14,164,906.00	
	Of which recurrent:						

**SO4: STRENGTHENING REGIONAL COOPERATION AND MARKET FUNCTIONING**

No.	Strategic and specific objectives, indicators and actions	Baseline value	Interim target 2025	Final year target 2031	Outcome
<b>IV. STRATEGIC OBJECTIVE 4: STRENGTHENING REGIONAL COOPERATION AND MARKET FUNCTIONING</b>					
<b>IV.1 Specific objective: Strengthening regional cooperation</b>					
Indicator	Baseline value	Interim target 2025	Final year target 2031	Lead and supporting institution	Reference to documents
Offered cross-border capacity/Nominal cross-border capacity	Export 22-24%, Import 24-26%	Minimum each direction 28-30%	Each direction 70%	ALPEX	Integration of electricity wholesale markets
No.	Action	Deadline	Budget	Source of funding	Output
No.	Action	Year 2022	Year 2023	Year 2024	Year 2025
IV.1.1	Day ahead market coupling with Albania through ALPEX power exchange	€ -	€ -	€ -	€ -
IV.1.2	Intraday market coupling with Albania through ALPEX power exchange	€ -	1,400,000.00	€ 1,350,000.00	€ -

IV.1.3	Feasibility study on Regional/European market coupling (SDAC, SIDC)	2024	€ -	€ 250,000.00	€ -	Donors, Kosovo Budget	KOSTT, ERO, ME	Integration of electricity wholesale markets	Energy Strategy of the Republic of Kosovo 2022-2031
	Total budget for Specific Objective IV.1		€ -	€ 1,400,000.00	€ 1,600,000.00	-			
	Of which capital		€ -	€ 1,400,000.00	€ 1,600,000.00	-			
	Of which recurrent:								
<b>IV.2 Specific objective: Removing the barriers of effective market functioning</b>									
	Indicator	Baseline value		Interim target 2025		Final year target 2031			
1	Status of BSA phase-out	BSA in place		Gradual phase-out of BSA started		BSA Phased out			
2	Number of offers available for non-household customers	1		6		>6			
No.	Action	Deadline	Budget			Source of funding	Lead and supporting institution	Output	Reference to documents
IV.2.1	Revision of the Law on Energy	2023	Year 2022	Year 2023	Year 2024	Year 2025	ME, ERO,KOSTT, KEK	Law adopted and harmonized with EU directives	Energy Strategy 2022-2031
IV.2.2	Adoption of secondary legislation related to the Law on Energy	2024	€ -	€ -	€ 30,800.00	€ -	Kosovo Budget	Secondary legislation adopted	Energy Strategy 2022-2031

IV.2.3	Revision of the Law on Electricity	2023	€ -	€ 10,800.00	€ -	€ -	Kosovo Budget	ME, ERO,KOSTT	Law adopted and harmonized with EU directives
IV.2.4	Adoption of secondary legislation related to the Law on Electricity	2024	€ -	€ -	€ 30,800.00	€ -	Kosovo Budget	ME, ERO,KOSTT, KEK	Secondary legislation adopted
IV.2.5	Revision of the Law on the Energy Regulator	2023	€ -	€ 13,500.00	€ -	€ -	Kosovo Budget	ME, ERO	Law adopted and harmonized with EU directives
IV.2.6	Adoption of secondary legislation related to the Law on the Energy Regulator	2024	€ -	€ -	€ 30,800.00	€ -	Kosovo Budget	ME, ERO	Secondary legislation adopted
IV.2.7	Commence studies on barriers to a competitive electricity market and on the most suitable method of phase-out of BSA	2025	€ -	€ -	€ -	€ 50,000.00	Donors, Kosovo Budget	ME, ERO	Increased competitive market shares
	Total budget for Specific Objective IV.2		€ -	€ 37,800.00	€ 92,400.00	€ 50,000.00			
	Of which capital								
	Of which recurrent		€ -	€ 37,800.00	€ 92,400.00	€ 50,000.00			
<b>IV.3</b>	<b>Specific objective: Training in energy- related fields and women's inclusion</b>								
	<b>Indicator</b>		<b>Baseline value</b>		<b>Interim target 2025</b>		<b>Final year target 2031</b>		

No.	Action	Deadline	Budget	Source of funding	Lead and supporting institution	Output	Reference to documents
1	Annual number of new graduates obtaining academic degrees or professional qualifications in the field of energy and other related fields	NA	TBD	TBD			
2	Percentage of women employed in the energy sector	9% [2021]	11%	Minimum 25%			
IV.3.1	Development of new technical training programs	2024/2025	€ -	€ 350,000.00	Donor	MCAK	Abled workforce for RES future. Percentage of graduates employed TBD
IV.3.2	Preparation of the gender-inclusive infrastructure & policy planning	2024/2025	€ -	€ 300,000.00	Donor	MCAK	25% women in energy sector workforce by 2031
IV.3.3	Drafting of new professional standards and curricula according to the demands of the labor market	2024	€ -	€ 10,000.00	Kosovo Budget	MESTI	Professional standards and newly designed curricula
	Total budget for Specific Objective IV.3	€ -	€ -	€ 660,000.00			Energy Strategy 2022-2031
	Of which capital			€ 660,000.00			
	Of which recurrent			€ 650,000.00			

**SO5: PROTECTING AND  
EMPOWERING  
CONSUMERS**

No.	Strategic and specific objectives, indicators and actions	Baseline value	Interim target 2025	Final year target 2031	Outcome
<b>V. STRATEGIC OBJECTIVE 5: PROTECTING AND EMPOWERING CONSUMERS</b>					
1	Indicator: Number of new schemes dedicated to vulnerable consumers	NA	2	4	
2	Indicator: Number of programs supporting community projects in efficiency and self-consumption	1	> 2	> 5	
<b>V.1 Specific objective: Protecting vulnerable consumers</b>					
1	Indicator	Baseline value	Interim target 2025	Final year target 2031	Means – tested vulnerable consumers scheme linked to the reformed social assistance scheme
	Price support scheme for vulnerable consumers	Existing support scheme (not well targeted) [2021]	New vulnerable consumers program in place established		

No.	Action	Deadline	Budget				Source of funding	Lead and supporting institution	Output	Reference to documents
			Year 2022	Year 2023	Year 2024	Year 2025				
V.1.1	Supporting vulnerable consumers through existing support schemes	Yearly	€ 4,500,000.00	€ 4,500,000.00	€ -	€ -	Kosovo Budget	Annual support scheme	Annual support scheme	Medium-term expenditure 2023-2025
V.1.2	Establishment of a new support for vulnerable consumers	Yearly	€ -	€ -	€ 10,000,000.00	€ 0	Kosovo Budget	Annual support scheme	Annual support scheme	Medium-term expenditure 2023-2025
V.1.3	Drafting a five year program for the protection of vulnerable consumers	2023/2024	€ -	€ 10,000.00	€ -	€ -	Program for vulnerable consumers drafted and approved	Energy Strategy 2022-2031	Program for vulnerable consumers drafted and approved	Energy Strategy 2022-2031
V.1.4	Drafting and approval of the one (1) year program for the implementation of measures to support vulnerable consumers	2023	€ -	€ 10,000.00	€ -	€ -	Ministry of Finance, Labor and Transfers	One (1) year program drafted and approved	One (1) year program drafted and approved	Minister's decision on establishment of working group
V.1.5	Support through subsidizing part of the bill for beneficiaries of social and pension schemes, as well as households that are selected through a formal means-tested scheme.	2023	€ -	€ 20,000,000.00	€ -	€ -	EU-IPA Fund	Number of vulnerable households supported through direct subsidy (200,000 beneficiaries)	Number of vulnerable households supported through direct subsidy (200,000 beneficiaries)	Measure 1. Action Plan - Mitigation of the immediate socio-economic impact of the energy crisis

		Measure 1.	Action Plan - Mitigation of the immediate socio-economic impact of the energy crisis		Number of vulnerable families benefiting from the support (10,000 families)	Number of families supported through energy savings
			EU-IPA Fund	EU-IPA Fund		
V.1.6	Support through subsidizing alternative methods (wood and pellets) for heating purposes for vulnerable groups	2023	€ -	€ 5,000,000.00	€ -	€ -
V.1.7	Support the households by subsidizing their current month's electricity bill based on the % of energy savings they made compared to the same month of the previous year.	2023	€ -	€ 15,000,000.00	€ -	€ -
	Total budget for Specific Objective V.1		€ 4,500,000.00	€ 44,520,000.00	€ 10,000,000.00	€ 10,000,000.00
	Of which capital		€ 4,500,000.00	€ 44,500,000.00	€ 10,000,000.00	€ 10,000,000.00
	Of which recurrent:			€ 20,000.00		
<b>V.2 Specific objective: Empowering consumers</b>						
	Indicator	Baseline value	Interim target 2025	Final year target 2031		
1	Energy – related awareness & information campaigns implemented	6 [2021]	9 annually	9 annually	Alternative offers available	
2	Diversity and comparability of services offered	No offers available	Launch of the Price Comparison Tool	Alternative offers available for		

No.	Action	Deadline	Budget			Source of funding	Lead and supporting institution	Output	Reference to documents
			Year 2022	Year 2023	Year 2024	Year 2025			
	to consumers						all consumers		
V.2.1	Establishing legislation on the Price Comparison Tool, with detailed guidelines on information to be provided in the Tool	2023	€ -	€ 20,000.00	€ -	€ -	Donors	ERO	Legislative framework enables the development of the Price Comparison Tool
V.2.2	Development of Price Comparison Tool	2023	€ -	€ 7,000.00	€ -	€ -	ERO	ERO	Fully functioning Price Comparison Tool
	Total budget for Specific Objective V.2		€ -	€ 27,000.00	€ -	€ -			
	Of which capital								
	Of which recurrent				€ 27,000.00				
V.3	<b>Specific objective: Preserving human health and environment</b>								
	Indicator	Baseline value			Interim target 2025		Final year target 2031		
1	Emissions of dust, NOx and SO <sub>2</sub> of lignite power plants	TPP Kosovo B:	Dust: over 300 mg/ Nm <sup>3</sup> , NOx: over 500 mg/ Nm <sup>3</sup>	TPP Kosovo B2:	Dust: 20 mg/ Nm <sup>3</sup> , NOx: 200 mg/ Nm <sup>3</sup> , SO <sub>2</sub> : 600 mg/ Nm <sup>3</sup>	TPP Kosovo B:	Dust: 20 mg/ Nm <sup>3</sup> , NOx: 200 mg/ Nm <sup>3</sup> , SO <sub>2</sub> : 200 mg/ Nm <sup>3</sup>	TPP Kosovo B1:	Dust: over 300 mg/ Nm <sup>3</sup> , NOx: over 500 mg/ Nm <sup>3</sup> , SO <sub>2</sub> : over 600 mg/ Nm <sup>3</sup>

No.	Action	Deadline	Budget			Source of funding	Lead and supporting institution	Output	Reference to documents
			Year 2022	Year 2023	Year 2024				
V.3.1	Increasing the capacities of KEPA for monitoring, evaluating and reporting emissions from Large Combustion Plants	2025	-	€ 9,000.00	€ 9,000.00	€ 9,000.00	Buxheti i Kosovës	MESPI, Kosovo Environmental Protection Agency (KEPA)	AI on the Rules and Standards of the Discharges on air. The Stationary Sources of Pollution
	Total budget for Specific Objective V.3		€ -	€ 9,000.00	€ 9,000.00	€ 9,000.00			
	Of which capital								
	Of which recurrent								

		€ 226,427,318.5 2	€ 522,152,546. 59	€ 263,941,883 .43
<b>Total</b>				



**Republika e Kosovës**

**Republika Kosova - Republic of Kosovo**

**Qeveria - Vlada - Government**

**Ministria e Ekonomisë - Ministarstvo Ekonomije - Ministry of Economy**