



# Carbon Neutrality Pathways in RBEC

*Some SDG 7 Insights on the Region*

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## 7.1: By 2021, all countries in the region had universal access to electricity

Even with 100% access, some challenges abound e.g. clean cooking.....

1. **Urban areas**, most countries in the region except for Montenegro (71 percent) and Bosnia & Herzegovina (62 percent) have high access rates to clean cooking
2. **Rural areas**, the region shows large access gaps, with only 14 percent access in Bosnia & Herzegovina, 44 percent in Montenegro, 59 percent in North Macedonia, and 66-68 percent in Serbia, Albania and Kyrgyzstan

Clean cooking access rate, 2021 (%)

Country	Total	Rural	Urban
Turkmenistan	100	100	100
Belarus	100	99	100
Armenia	98	96	100
Azerbaijan	98	98	99
Republic of Moldova	98	97	99
Türkiye	95	85	100
Ukraine	95	88	99
Kazakhstan	94	90	98
Georgia	91	82	97
Tajikistan	86	81	98
Albania	84	68	94
Serbia	81	66	92
North Macedonia	79	59	92
Kyrgyzstan	78	68	95
Montenegro	62	44	71
Bosnia and Herzegovina	42	14	62
Kosovo			



## 7.2: The share of renewables has made progress

In the wake of the energy crisis and COVID-19 era, more is needed – energy must be affordable

1. **Five countries** are net exporters of fossil fuels (Azerbaijan, Kazakhstan, Turkmenistan, Turkiye, and Georgia),
2. Many others including all South-Eastern European and all Eastern Partnership countries other than Azerbaijan, and, in Central Asia, Tajikistan and Kyrgyzstan are **dependent** on fossil fuel imports.
3. Some countries in the region use over 10% of their GDP on energy imports
4. Still many countries in the region have significant **coal reserves**
5. Fossil fuel subsidies are also still **prevalent** in the region keeping the cost of energy artificially low and well below their cost-recovery levels.

There is **need for more action**.

1. For instance, **wind** and **solar** make up a very low share of the renewable energy share in total energy consumption of the region, ranging between 0 and 3.3 percent.

## 7.3: Energy Efficiency remains the low hanging fruit

- The region does not perform well on energy efficiency measures – and has **high energy** and **carbon intensity** of the industry.
- Ten countries in the region do worse than the global average of 4.7 MJ/USD for primary energy intensity (2019), while six outperform this benchmark

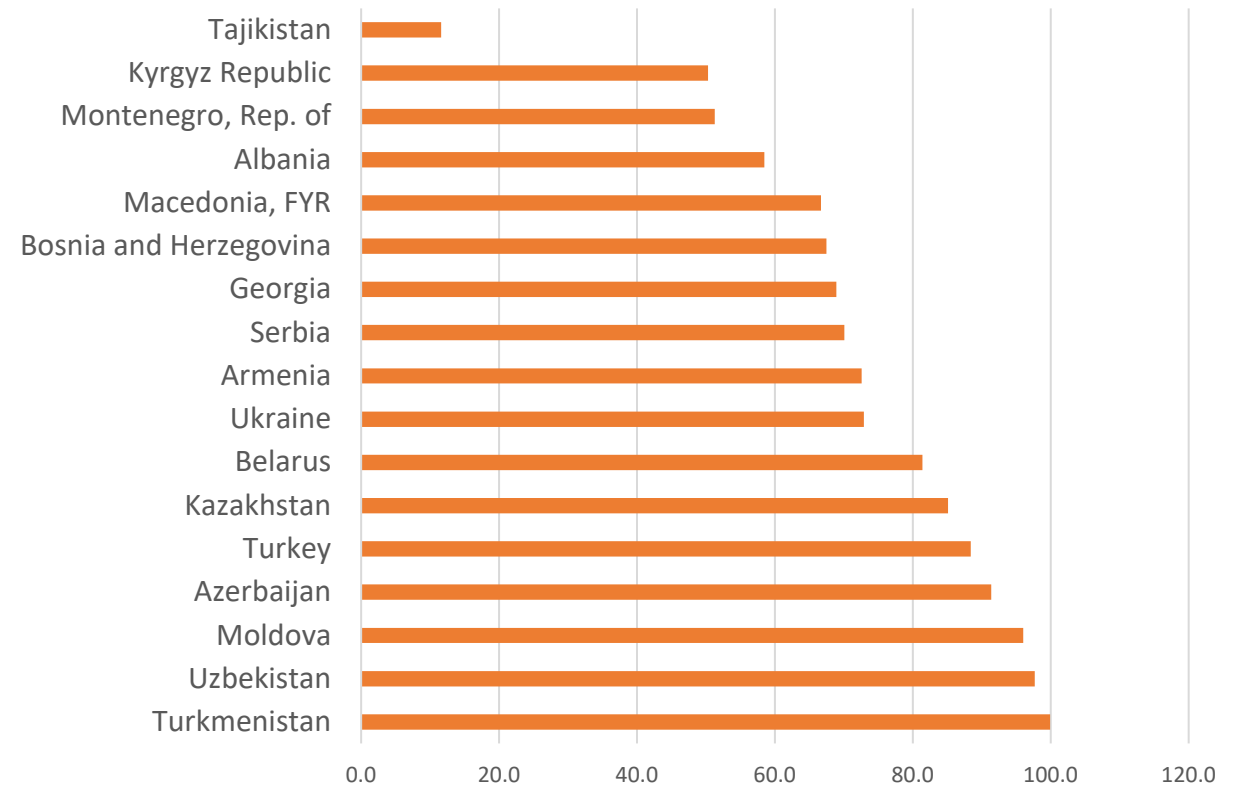
	2020	2015-2020
Albania	2.4	-2.2%
North Macedonia	3.3	-1.4%
Montenegro	3.8	0.4%
Georgia	4.0	-1.0%
Armenia	4.0	-0.5%
Tajikistan	4.4	-0.8%
Azerbaijan	4.7	2.0%
Republic of Moldova	5.1	-0.8%
Kyrgyzstan	5.1	-2.7%
Serbia	5.3	-1.2%
Kazakhstan	5.8	1.4%
Kosovo	5.8	-1.4%
Belarus	5.8	-0.8%
Bosnia and Herzegovina	6.2	0.9%
Ukraine	7.0	-2.9%
Uzbekistan	7.5	0.2%
Turkmenistan	11.1	-4.0%

# Decarbonization is essential...integrated agenda

The region is not performing well on energy efficiency

And....Fossil Fuels are still predominant in the region

Fossil fuel in total energy supply, 2018 (in per cent)





# What Does the Future Look Like?

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Still a need for more **ambition in the NDCs**, and an even more **robust transparency framework (Measurement, Reporting and Verification)**

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COP28 is essential, and importance of **Energy** measures to drive the **decarbonization** efforts...

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First **Global Stock-Take 2024** will demonstrate *where we are, where we need to go, and how we need to get there....*

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Important to develop **Long-Term Low Emissions Development Strategies (LT-LEDS)**, covering the timeline until 2050.....

# DATA ANALYTICS & DIGITAL TECHNOLOGIES

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Energy



## SDG INTEGRATION

Integrated Programming with  
Sustainable Energy as an Enabler for  
the SDGs





Thanks You

Questions