



# **APEC Expert Groups joint meeting**

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**9 April 2025**

## PRESENTATION OUTLINE

1. IRENA overview
2. Monitoring of COP28 consensus:  
tripling renewable capacity

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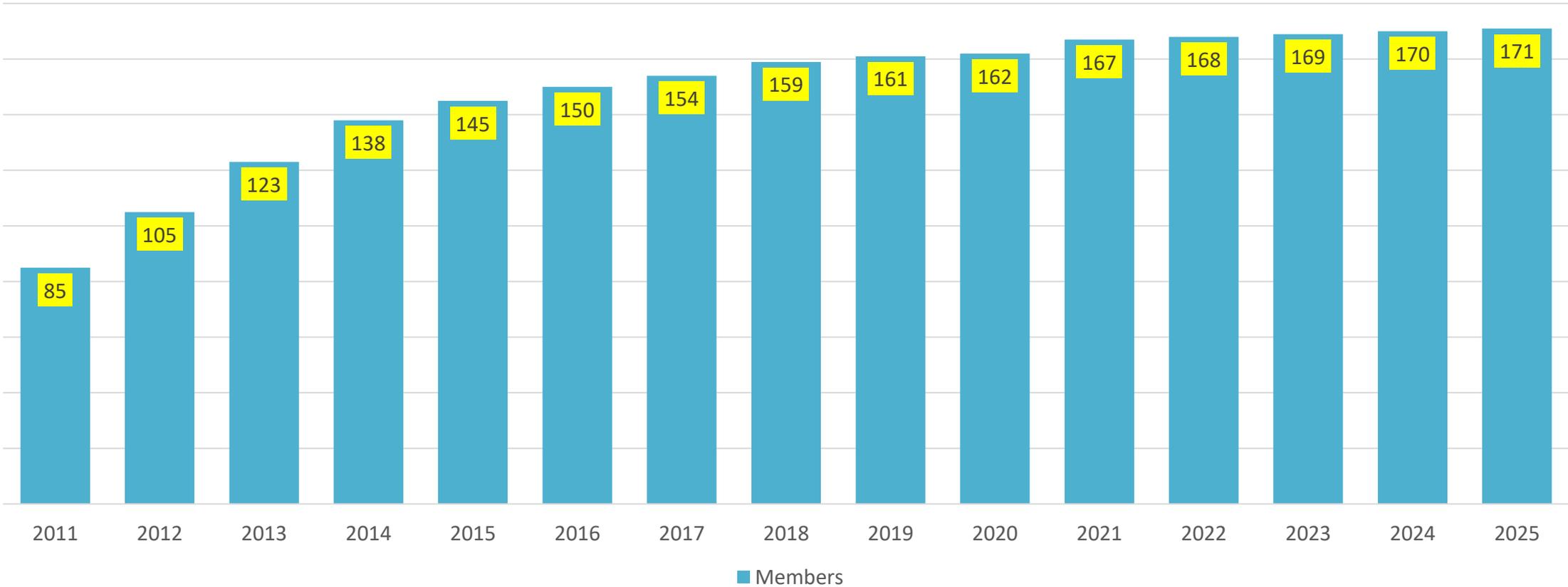
- » Established in 2011
- » Headquarters in Masdar City, Abu Dhabi, UAE
- » IRENA Innovation and Technology Centre – Bonn, Germany
- » Permanent Observer to the United Nations – New York, USA
- » International Liaison Office – Vienna (soon)

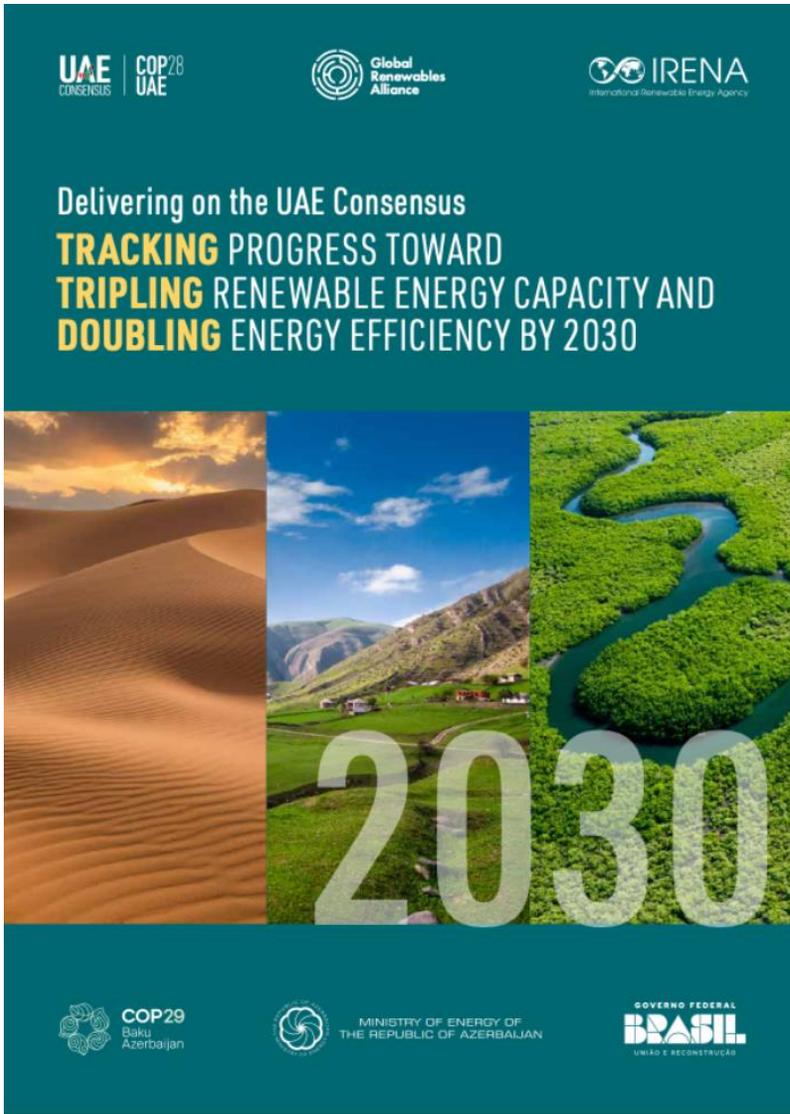
## Mandate

To promote the widespread adoption and sustainable use of **all forms of renewable energy** worldwide



## 171 Members and 13 States in Accession





# READ THE REPORT



1. IRENA overview
2. Monitoring of COP28 consensus: tripling renewable capacity

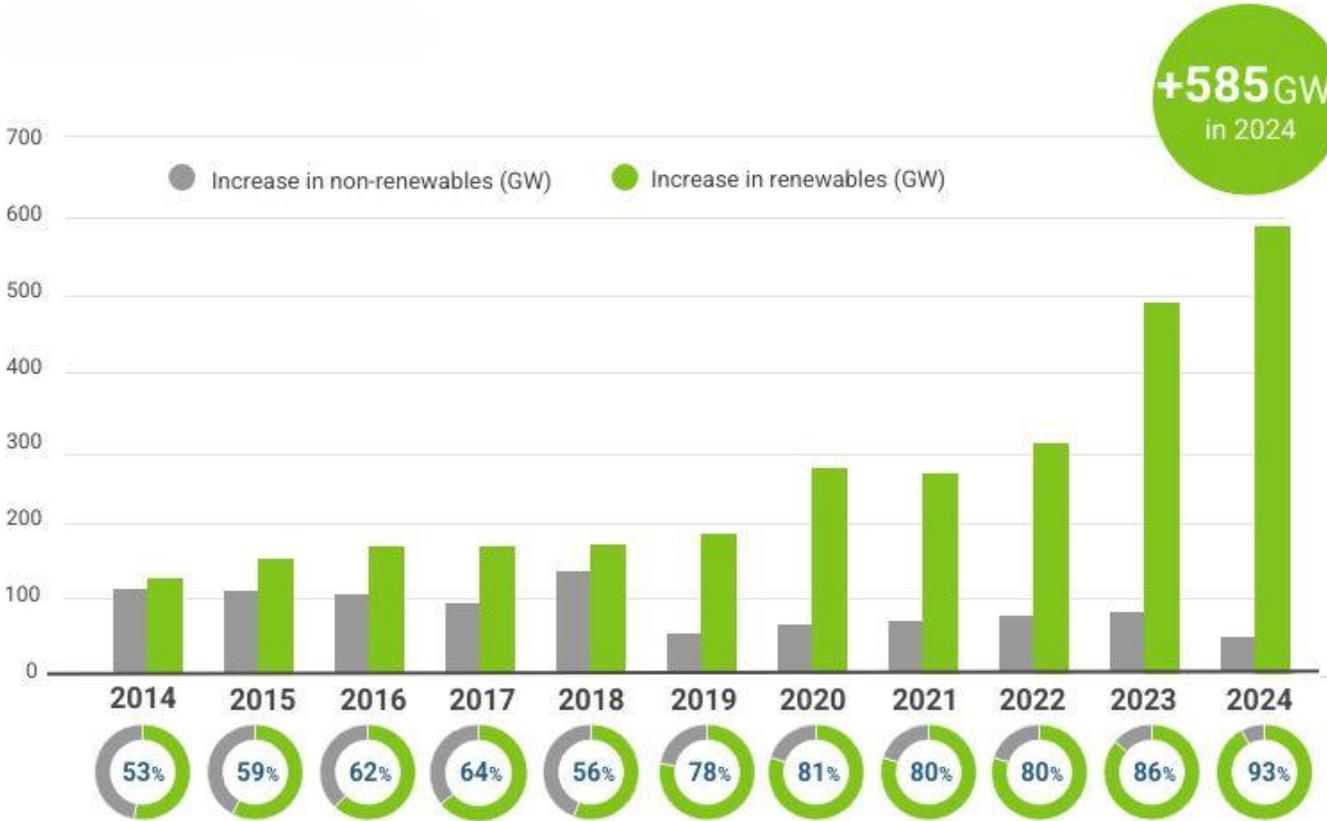


28. Further recognizes the need for deep, rapid and sustained reductions in greenhouse gas emissions in line with 1.5 °C pathways and calls on Parties to contribute to the following global efforts, in a nationally determined manner, taking into account the Paris Agreement and their different national circumstances, pathways and approaches:

(a) Tripling renewable energy capacity globally and doubling the global average annual rate of energy efficiency improvements by 2030;

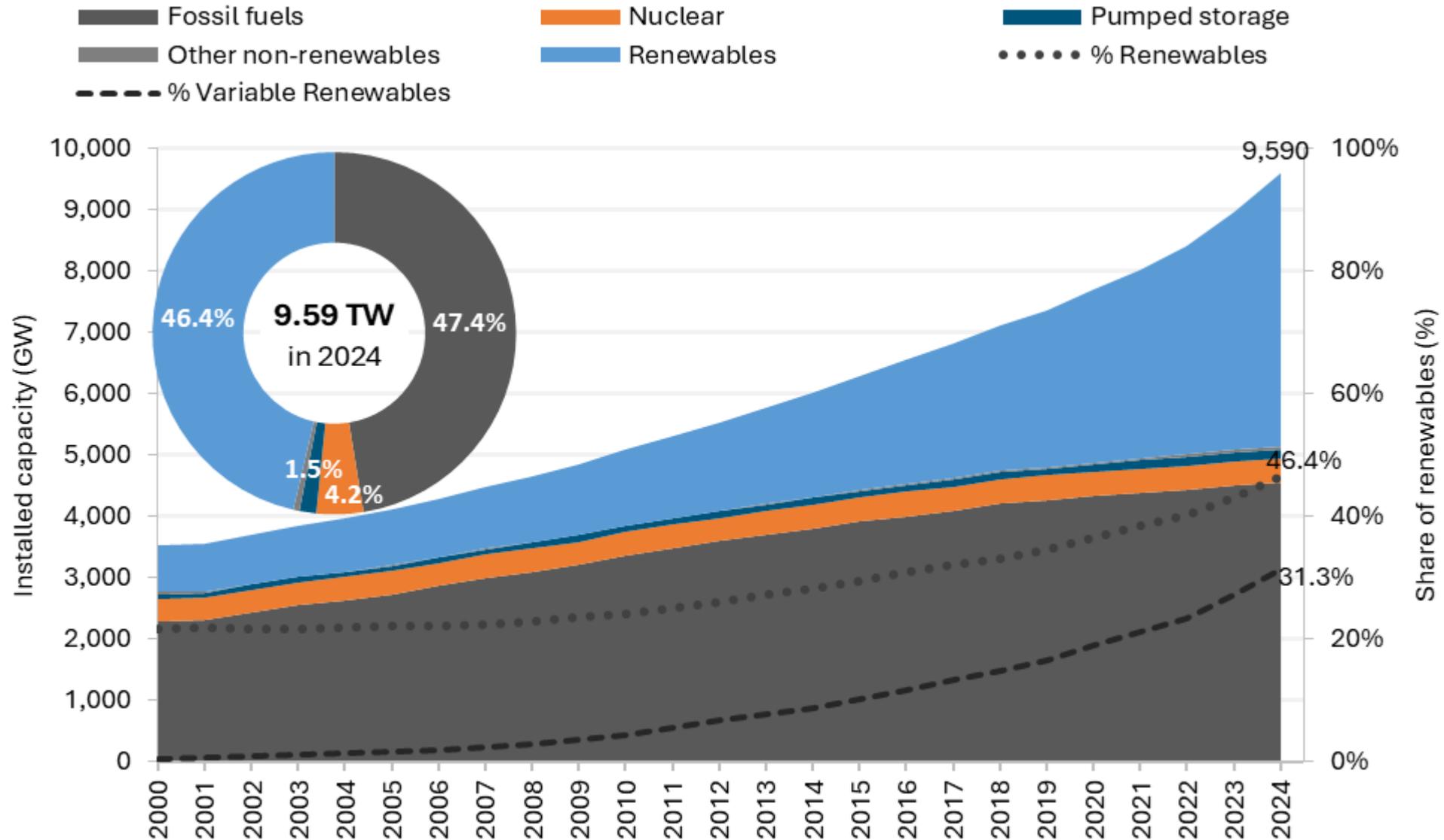
# Unprecedented renewable growth in 2023 and 2024

Annual installed power capacity additions, 2014-2024.

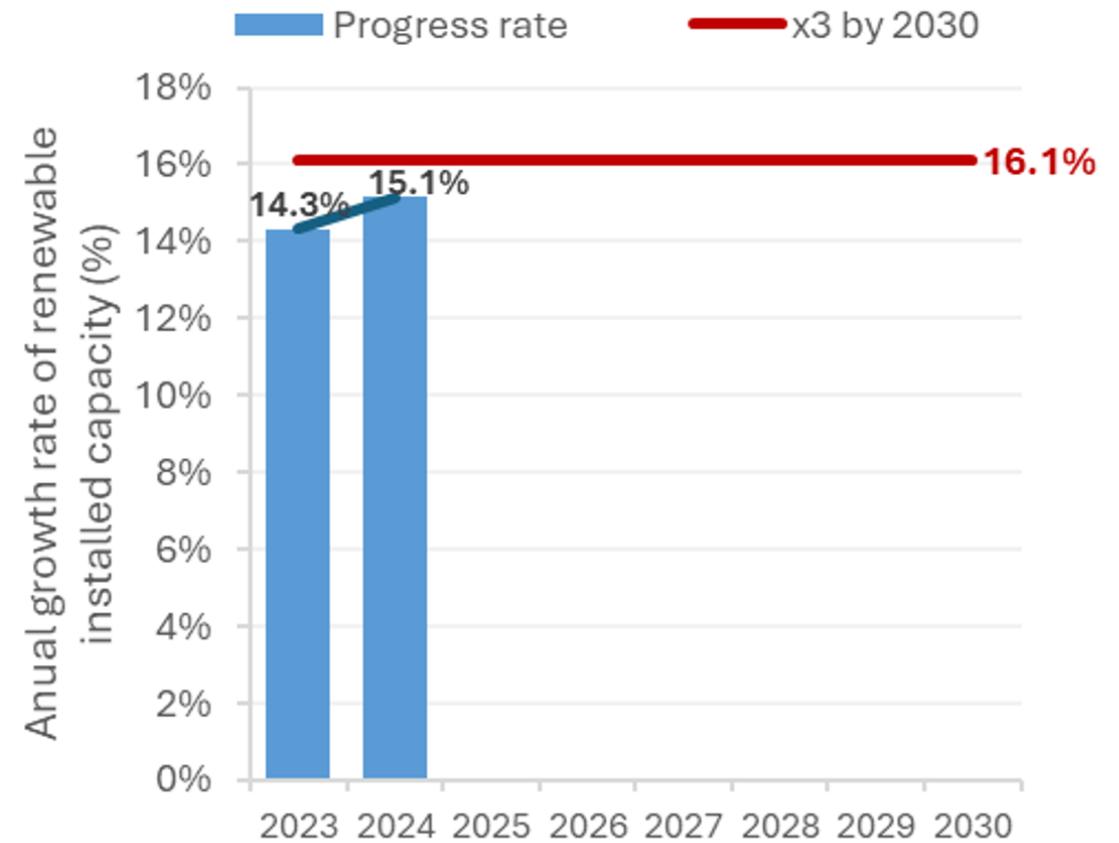
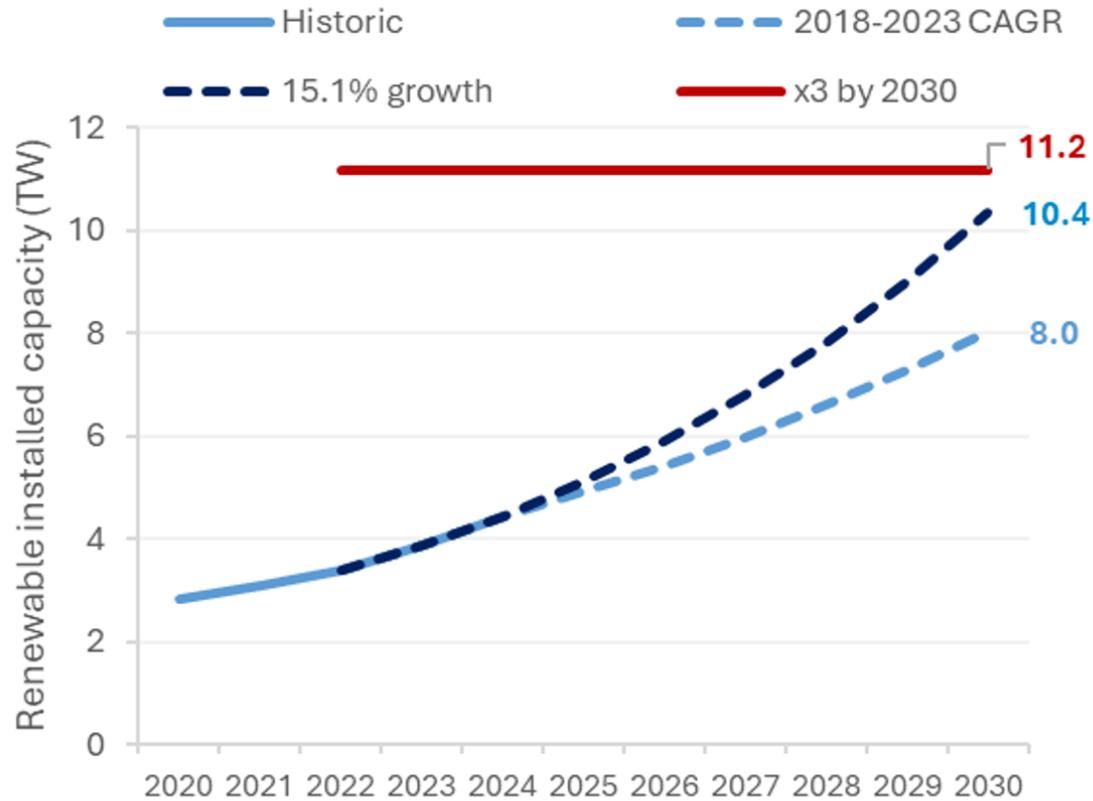


- Conducive **policies, geopolitical developments and falling costs**, have driven **renewable energy growth**.
- **Renewable capacity of 484 GW** added in **2023**, and a further **585 GW** in **2024** accounting for **86%** and **93%** of newly installed capacity.
- **Solar** energy accounted for **three-quarters** of this **growth**.
- New capacity was concentrated in **China, the EU and the US**, which collectively accounted for **82%** of additions in **2023** and **84%** in **2024**.

# Renewable capacity now 4.45TW growing 15.1% in 2024

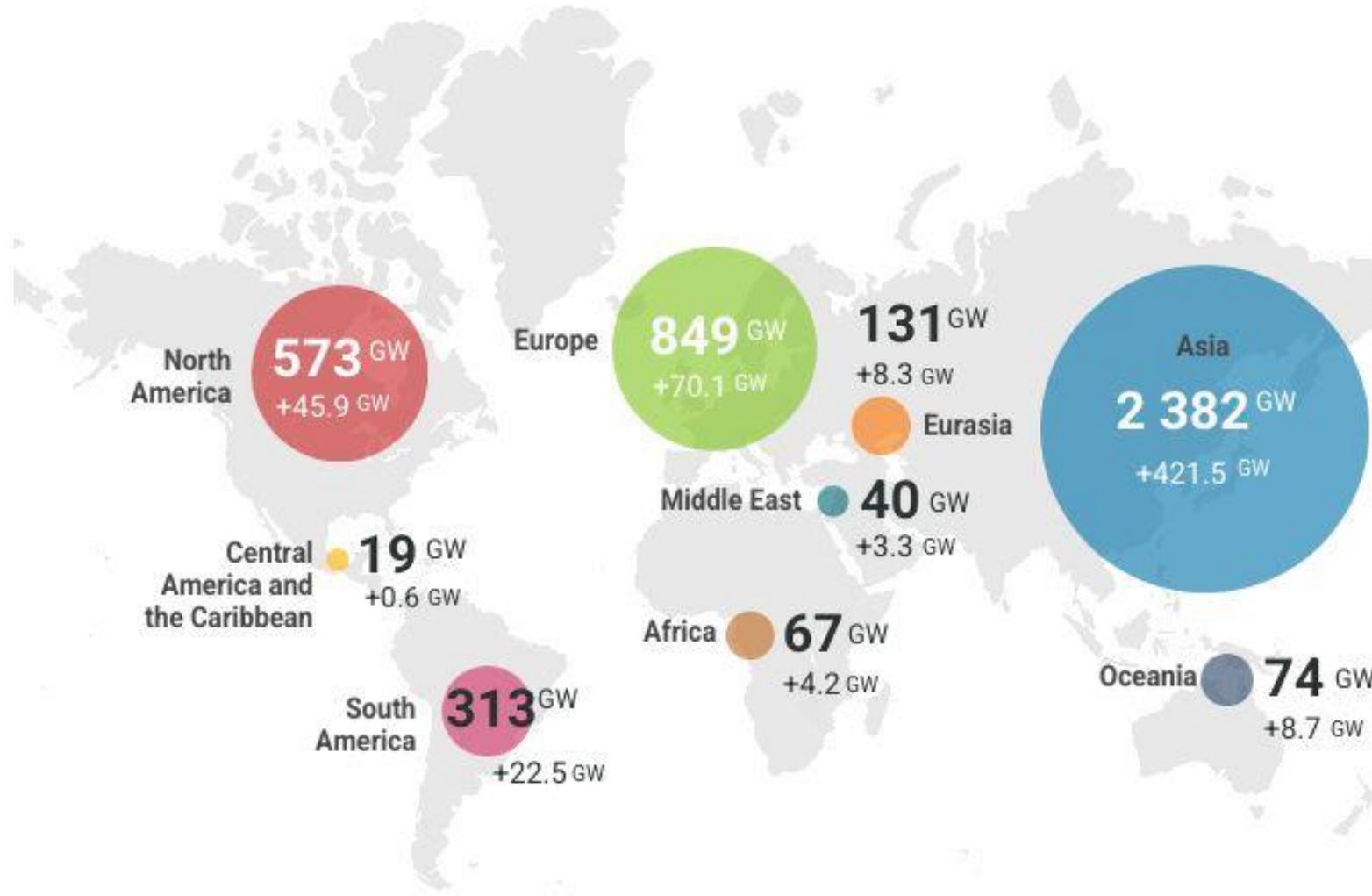


# But more is needed to achieve the UAE consensus goal

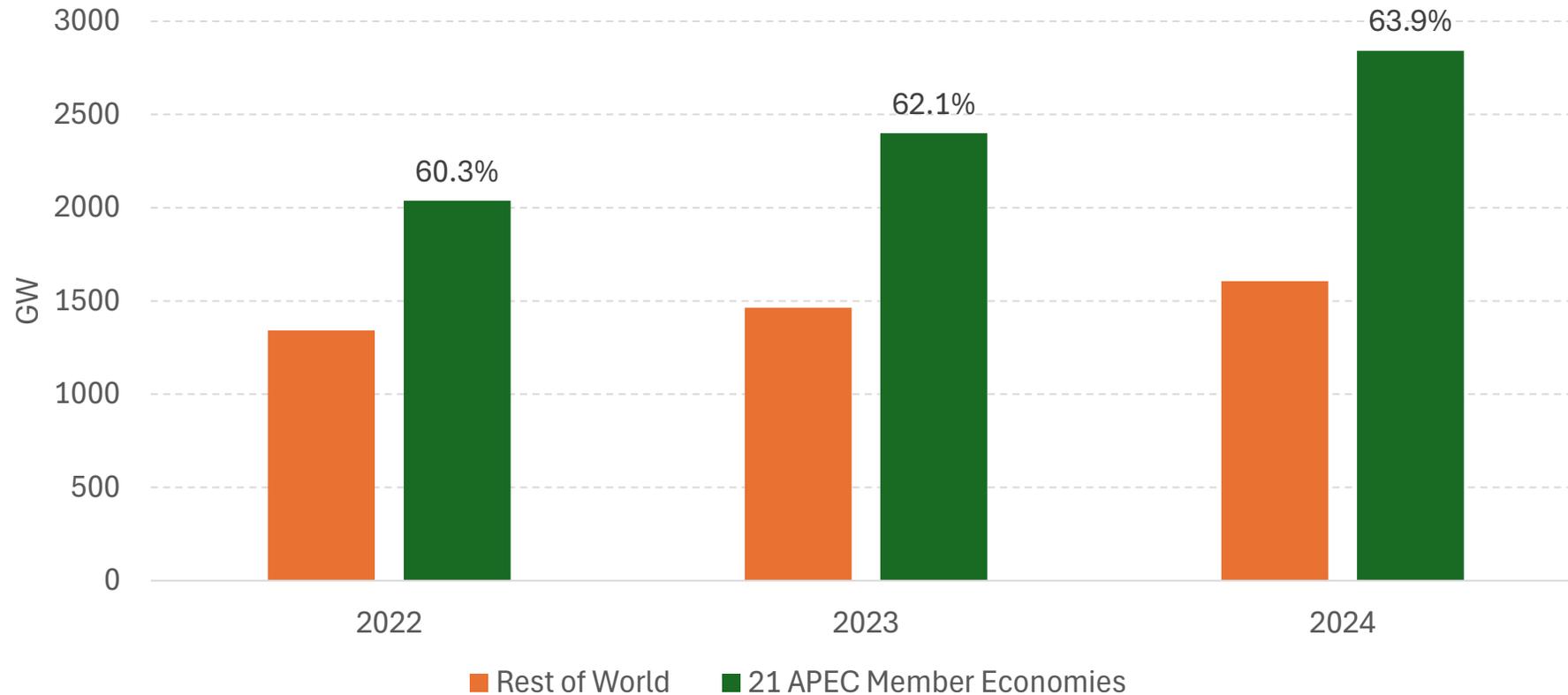


# Uneven geographical deployment

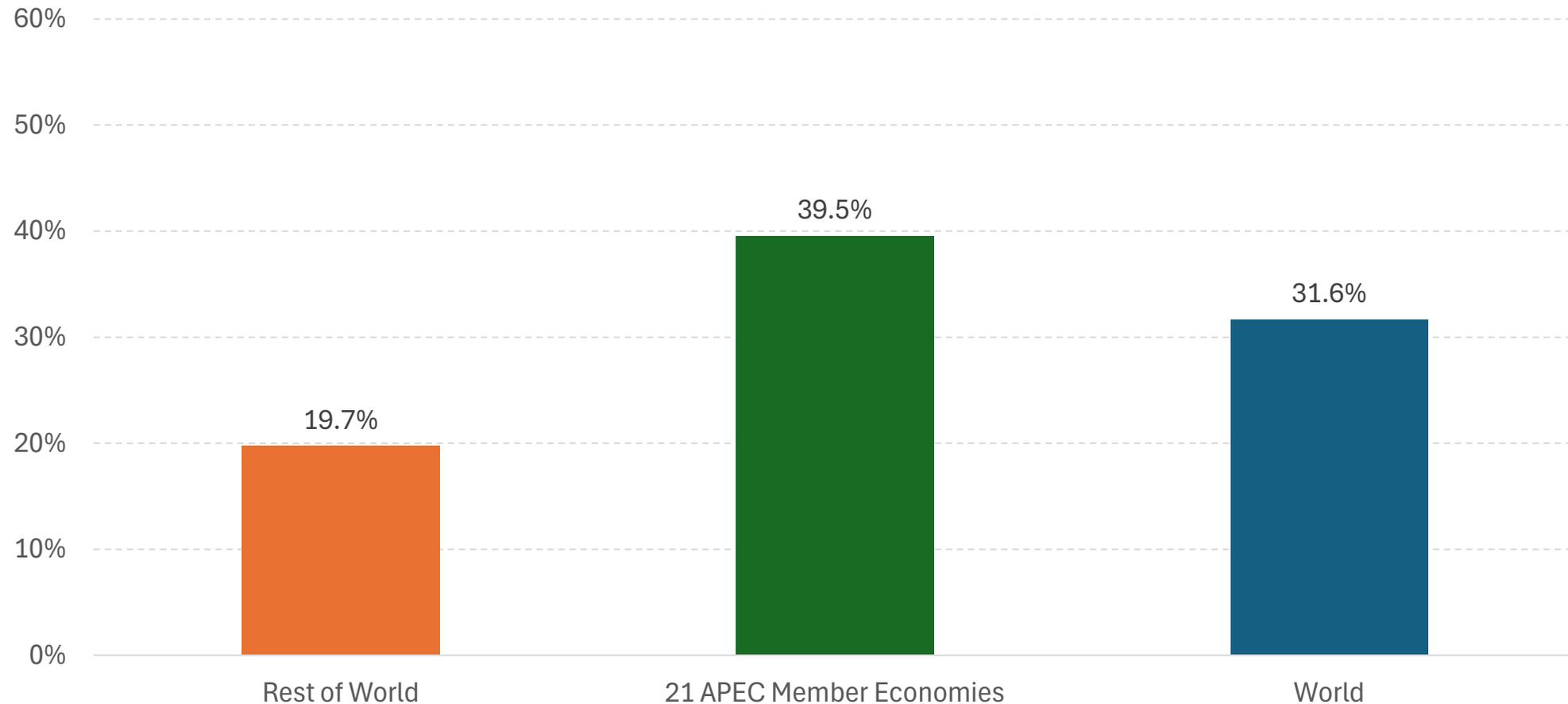
Renewable power capacity by region and additions in 2024.



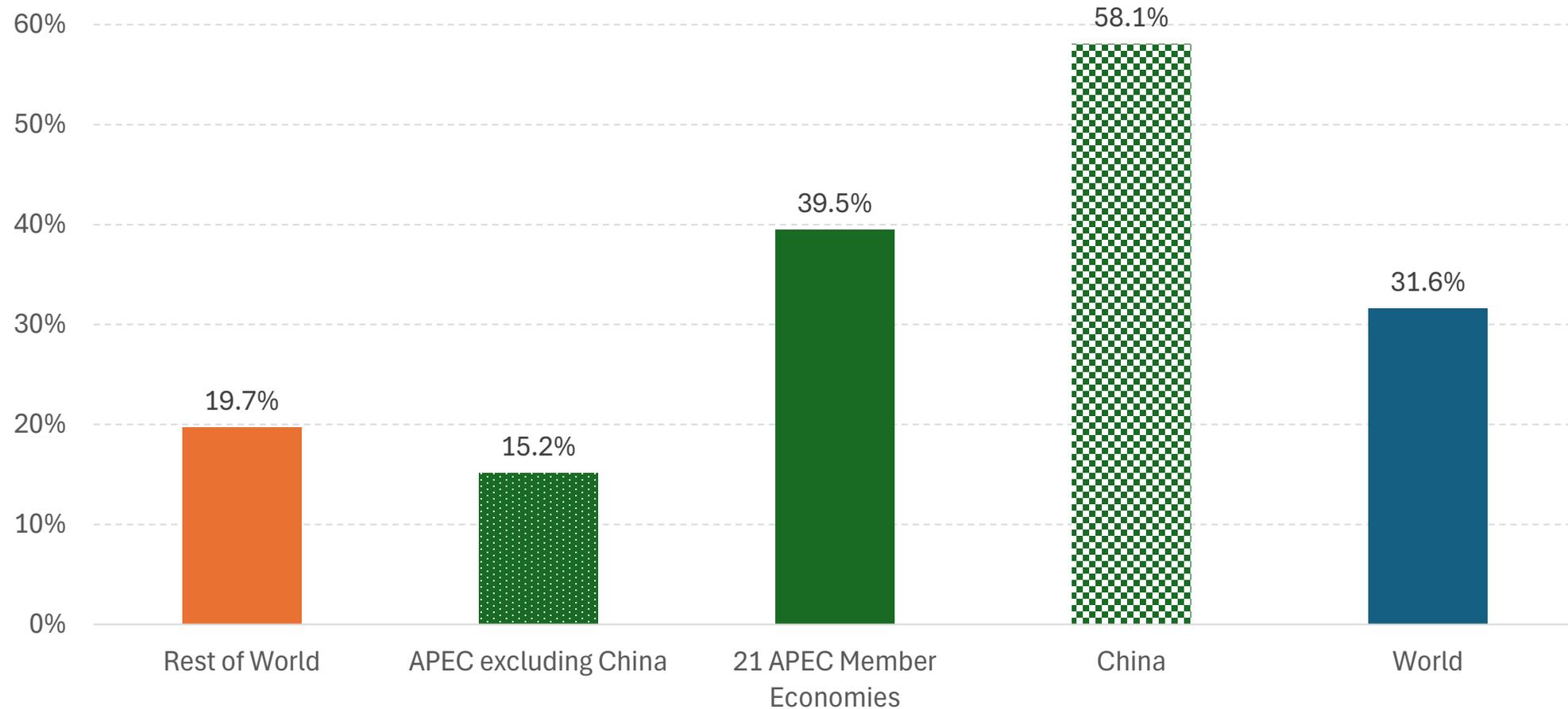
## Installed Renewable Capacity 2022-2024



## Percentage increase in renewable capacity 2022-2024



## Percentage increase in renewable capacity 2022-2024



# Accelerate energy efficiency and electrification

<p><b>ENERGY EFFICIENCY</b></p>	<p>RECENT YEARS</p>	
<p>Energy intensity improvement rate (%)</p>	<p>2% </p>	<p>4% </p>
<p><b>ELECTRIFICATION OF END-USE CONSUMPTION</b></p>	<p>RECENT YEARS</p>	<p>2030</p>
<p>Electrification rate in TFEC (%)</p>	<p>23% </p>	<p>30% </p>

# Thank you

## Contact

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