

Political and regulatory update

Nordic Renewable Investment Seminar 2024

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Electricity Grid and Market

The Great Story

- Entering a new era for the energy system, without fossil fuels and more renewables
- Most signs point to a rapid deployment of renewables combined with storage has put things in motion that can not be stopped
- Will Europe and Sweden be able to keep up?

Opinion Oil & Gas industry

Peak fossil fuel demand will happen this decade

But the decline in oil, gas and coal will not be steep enough to limit global warming to 1.5C

IEA in Financial Times 2023/09/12

Powering down: end times for the UK's final coal-fired station

The Guardian 2024/21/04

Clean energy keeps exceeding California's grid demand

Governor of California 2024/05/17

Wind produced more electricity in the EU than gas for the first time in 2023

Share of EU electricity generation, by source (%)

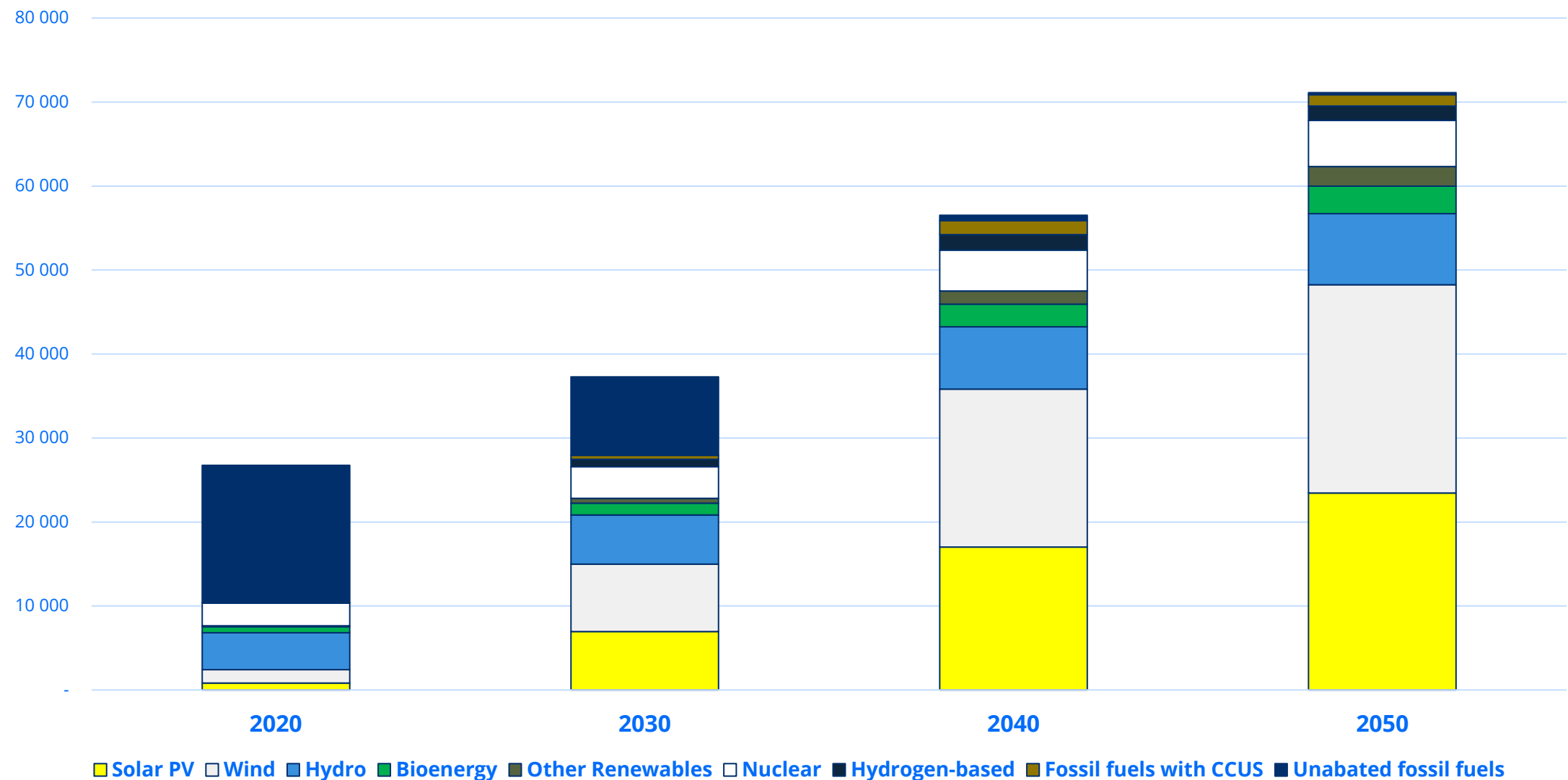
Ember, European Electricity Review 2024/02/7

Lithium-Ion Battery Pack Prices Hit Record Low of \$139/kWh

BloombergNEF 2023/11/26

Development of the global electricity system, IEA

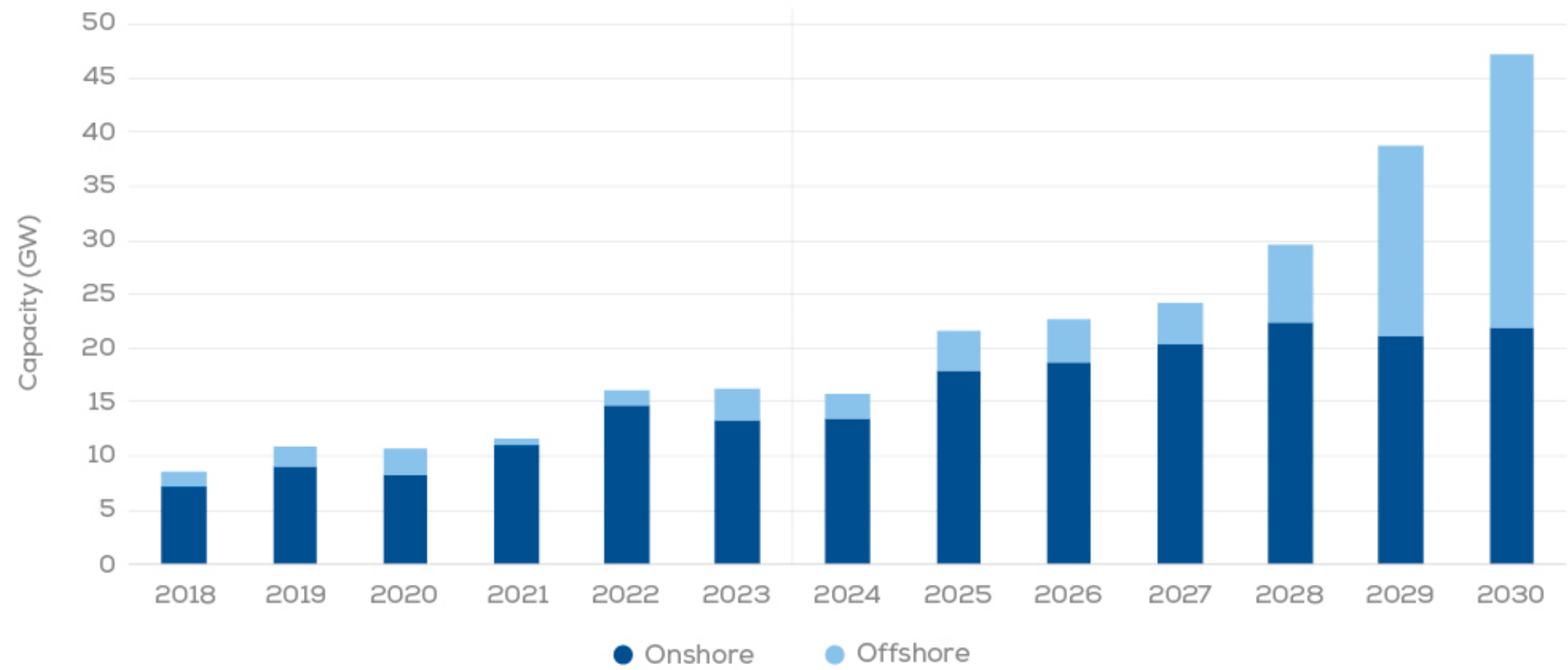
Global electricity production IEA NZE Scenario



Policy: International and EU

- 118 governments pledged to triple the world's renewable energy capacity by 2030 at the U.N.'s COP28 climate summit
- European Wind Power Action plan
 - European Wind Charter
- The Vilnius Declaration, pledging closer collaboration to secure critical offshore energy infrastructure in the Baltic Sea region and increase offshore wind from 3.1 GW today to 19.6 GW by 2030
- The European election and a new European commission?

FIGURE B. 2024-30 annual onshore and offshore wind power installations in the EU - WindEurope's Outlook



Source: WindEurope

National policy

- Three offshore projects approved for permitting (2 GW)
- Close to decision on four offshore wind farms (6.4 GW)
- 1 GW new capacity per year onshore wind power until 2026
- Governmental Inquiry's and Agency assignments:
 - Electricity market Review (25/04/2025)
 - Revised maritime spatial plans (31/12/2024)
 - Streamline the government's permitting process (5/02/2024)
 - The Inquiry on Offshore Wind Energy (30/11/2024)
 - Mapping for designation of acceleration areas in REDIII and review of national energy interests
 - "The value of the wind" - Compensation and incentives to local community's and residents
 - The Government should also look in to changes to the municipality veto and the property tax for wind farms

Thank you!

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swedish wind
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