



RYDER
SCOTT

21st

ANNUAL
RESERVES
CONFERENCE

SEPTEMBER 25, 2025



GUALE RAMIREZ, P.E.

Chairman & Chief Executive Officer
Ryder Scott Company, L.P.

Guadalupe “Guale” Ramirez, P.E., is Chairman and CEO of Ryder Scott Company with more than 40 years of petroleum engineering experience. He earned a bachelor’s degree in Mechanical Engineering from Texas A&M University in 1976 and completed advanced training in reservoir engineering, well log evaluation, waterflooding, and other specialized areas, building a strong foundation for his technical expertise and leadership. Since joining Ryder Scott in 1981, Guale has advanced through senior roles, including President, Vice President, and Managing Senior Vice President. He has led over 50 international projects in reserves certification, economic evaluation, and thermal recovery, and is recognized as an authority on SEC and SPE-PRMS reserves definitions. Under his leadership, Ryder Scott has expanded into midstream consulting and sustainability studies.



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Numbers to Count On. Experts to Trust.

Headwinds in the Wind Energy Business

- Halt in offshore wind leasing and permitting
- Delays in projects underway
- Tightened Federal Tax Credit Eligibility
- Projected Capacity Through 2035 slashed by over 50%

The **W**right Playbook

1. **Energy abundance, not subtraction**
2. Multi-source Energy Mix for Reliability
3. Innovation Through the National Labs
4. Regulatory Overhaul & Infrastructure Build-out
5. Leveraging Global Diplomacy & Energy Dominance

ALASKA NATURAL GAS (LNG) PIPELINE

Proposed Alaska Natural Gas Pipeline

North Slope Gas Supply

- 40 Trillion Cubic Feet of discovered, conventional, and developed North Slope associated gas
- Stranded gas can be produced at low cost

Arctic Carbon Capture (ACC)

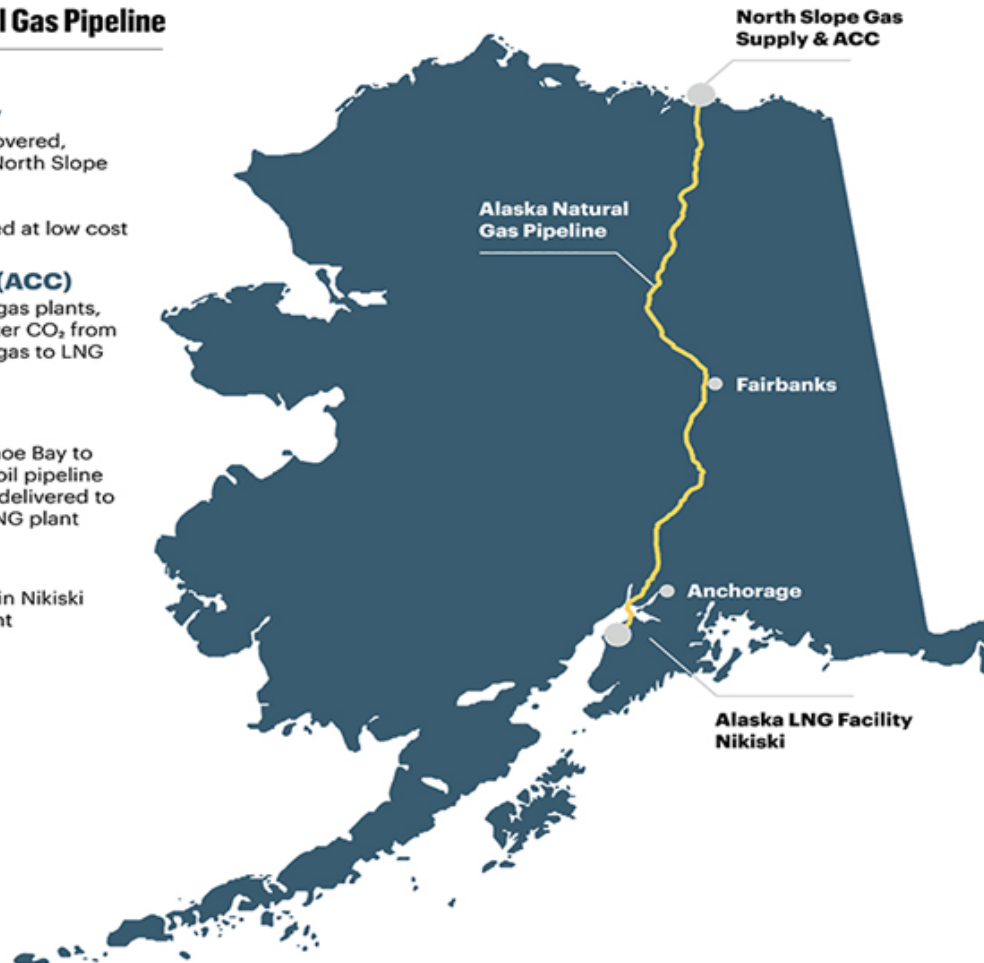
- Located adjacent to existing gas plants, which will remove and sequester CO₂ from raw gas stream and condition gas to LNG specifications

Natural Gas Pipeline

- 800-mile pipeline from Prudhoe Bay to Nikiski, which follows existing oil pipeline and highway system, with gas delivered to Alaska communities and the LNG plant

Alaska LNG Facility

- 20 mtpa LNG facility located in Nikiski near the legacy Kenai LNG plant



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ALASKA NATURAL GAS (LNG) PIPELINE



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BAD HOMBRES!



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GLOBAL PRIMARY ENERGY CONSUMPTION

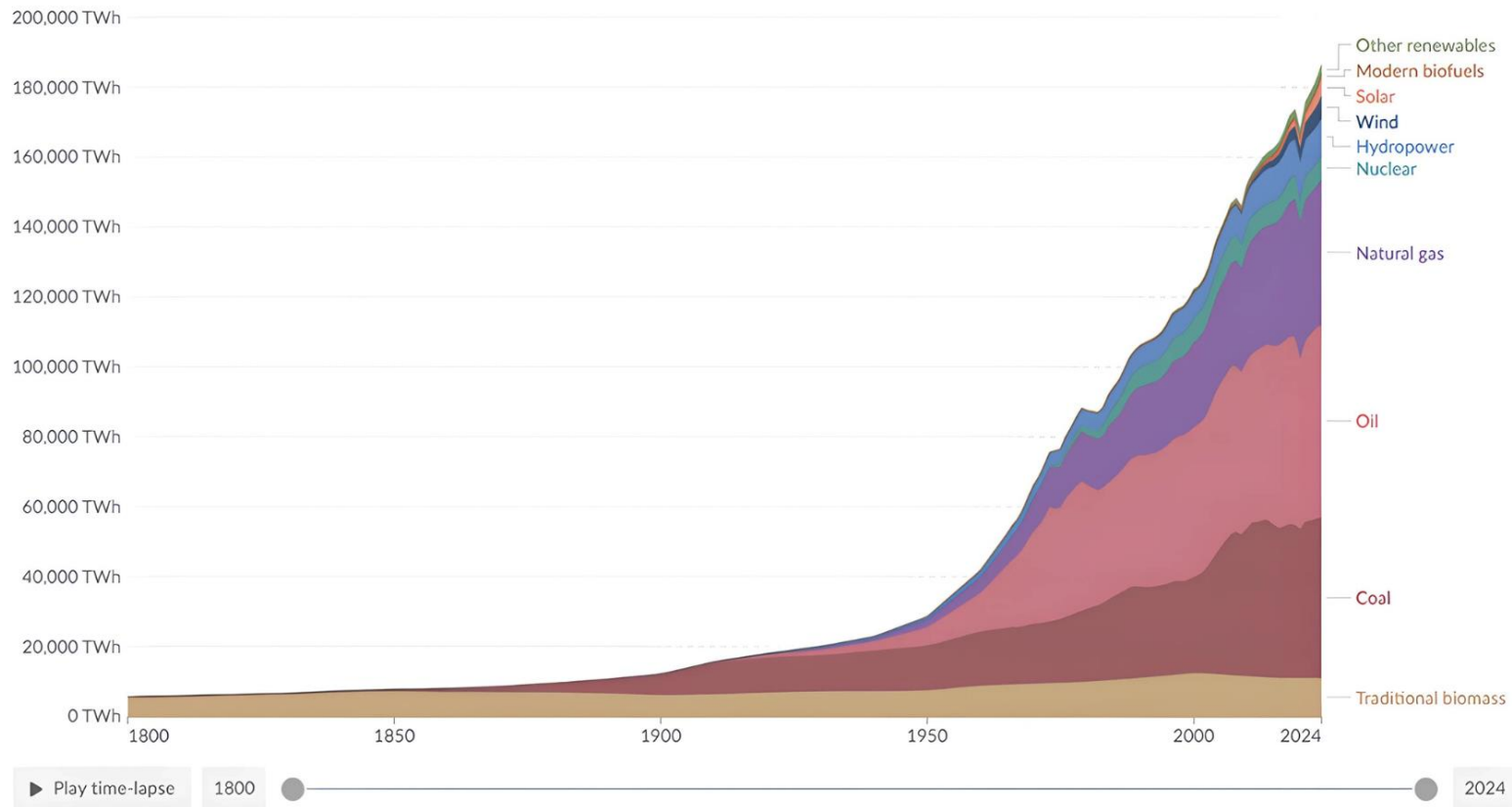
Global primary energy consumption by source

Primary energy is based on the substitution method and measured in terawatt-hours.

Table

Chart

Settings



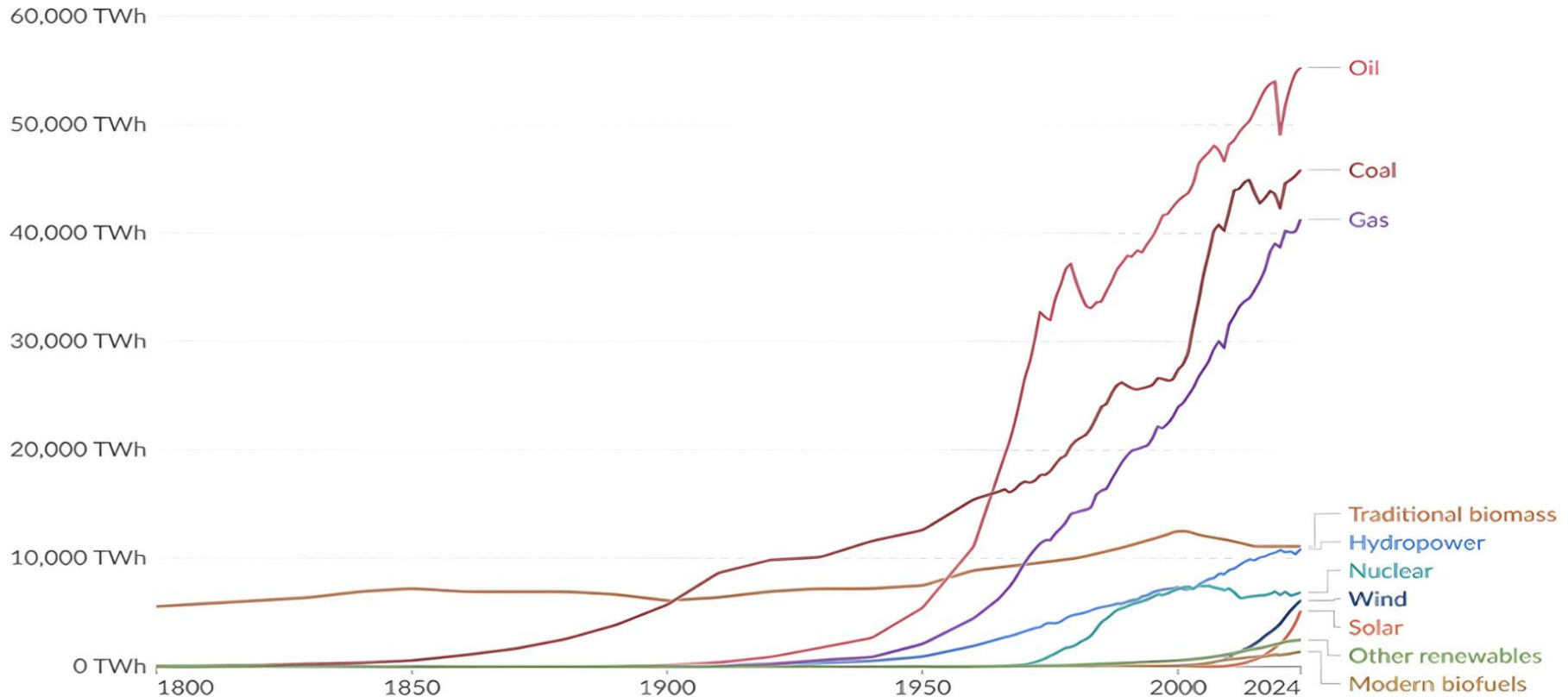
Data source: Energy Institute - Statistical Review of World Energy (2025); Smil (2017) - Learn more about this data

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GLOBAL PRIMARY ENERGY CONSUMPTION

Global primary energy consumption by source

Primary energy consumption is measured in terawatt-hours, using the substitution method.



Data source: Energy Institute - Statistical Review of World Energy (2025); Smil (2017)

OurWorldinData.org/energy | CC BY

Note: In the absence of more recent data, traditional biomass is assumed constant since 2015.

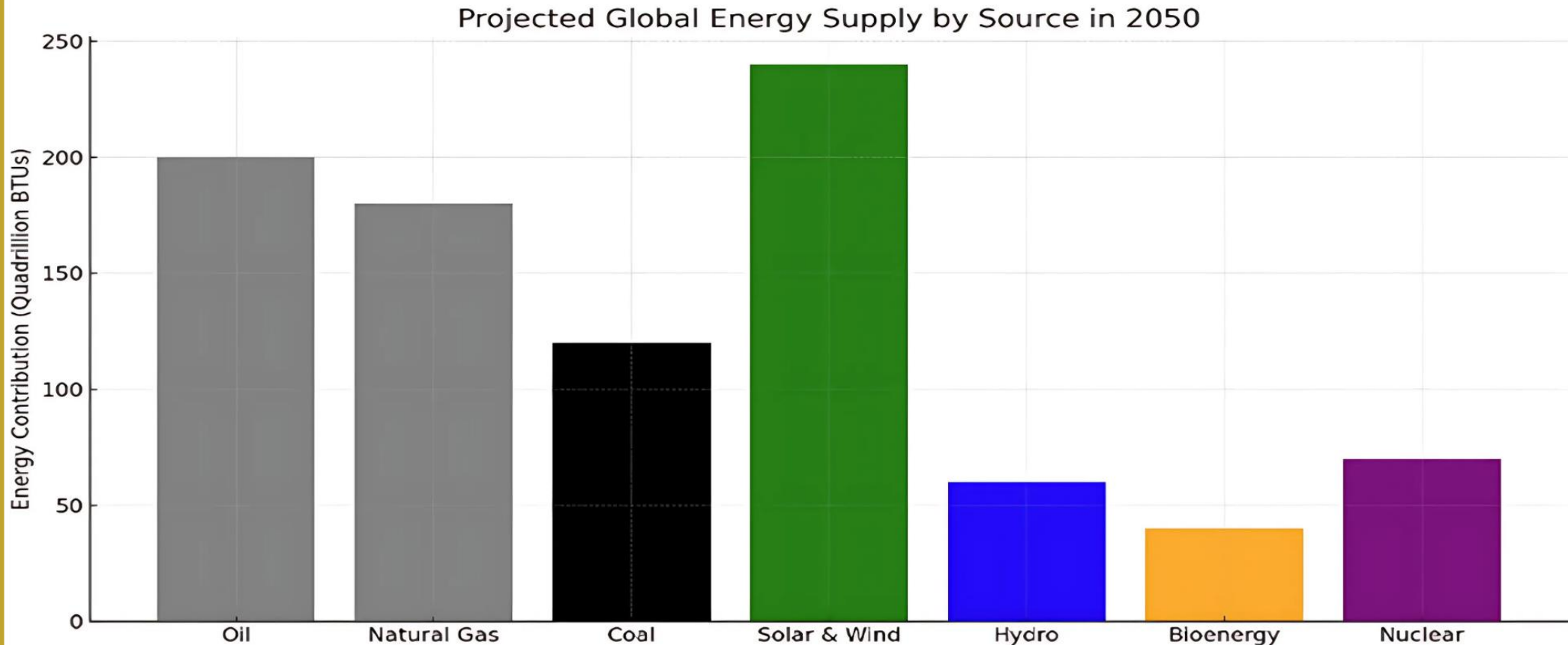
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GROWTH IN ENERGY CONSUMPTION

- Renewables led with 38% of the increase,
- Natural gas followed at 28%,
- Coal accounted for 15%,
- Oil contributed 11%, and
- Nuclear made up 8%.

GLOBAL PRIMARY ENERGY SUPPLY IN 2050

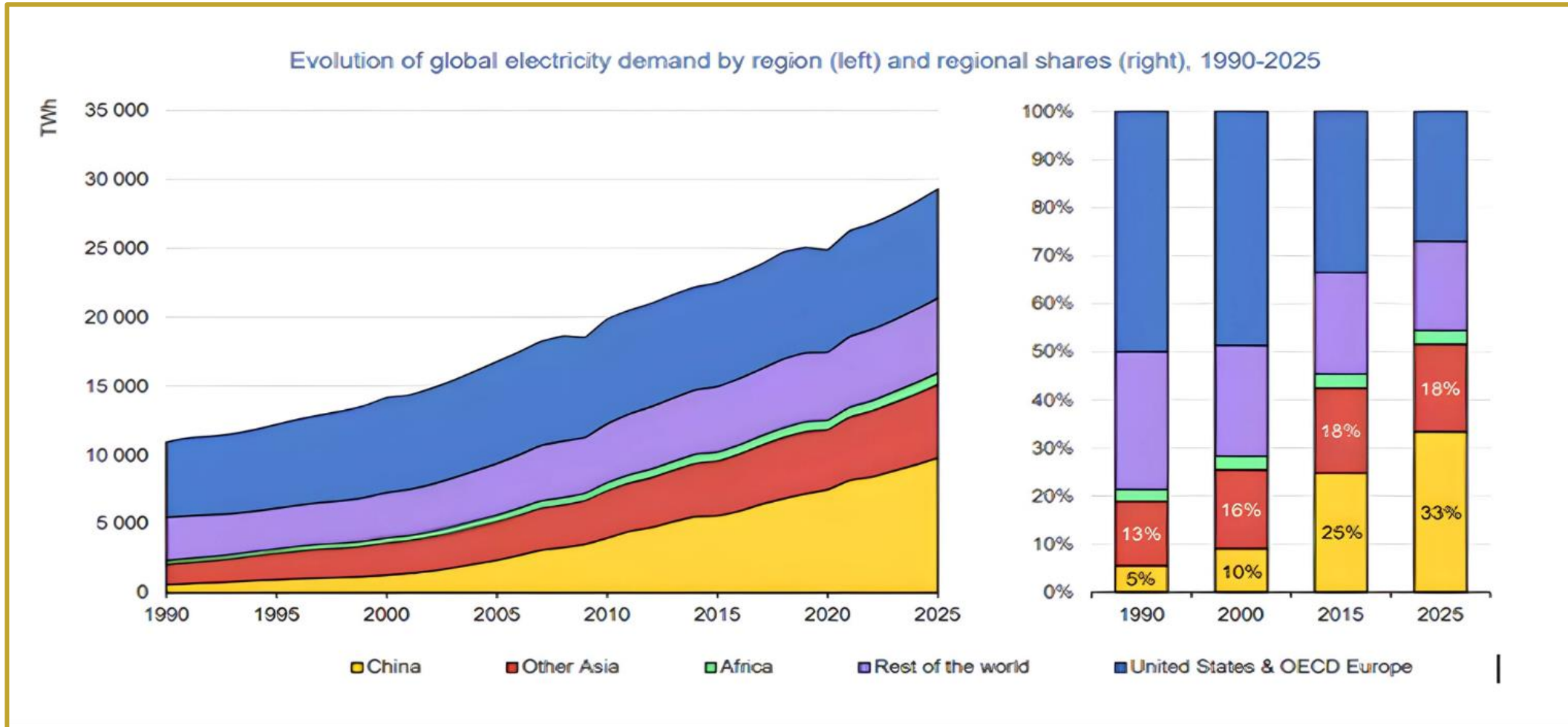
Projected Global Energy Supply By Source In 2050



EIA World Energy Outlook

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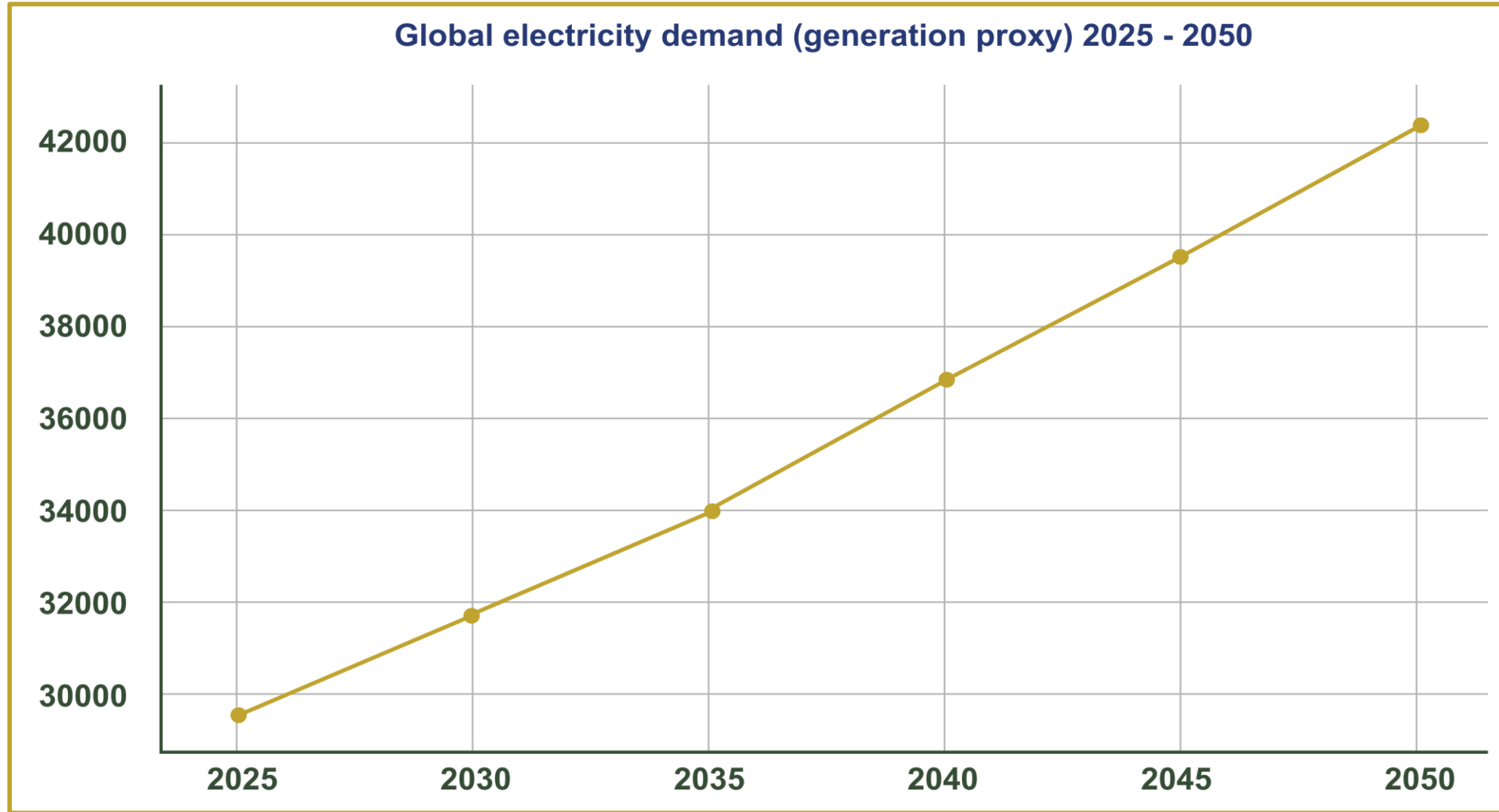
GLOBAL ELECTRICITY DEMAND



IEA – World Economic Forum

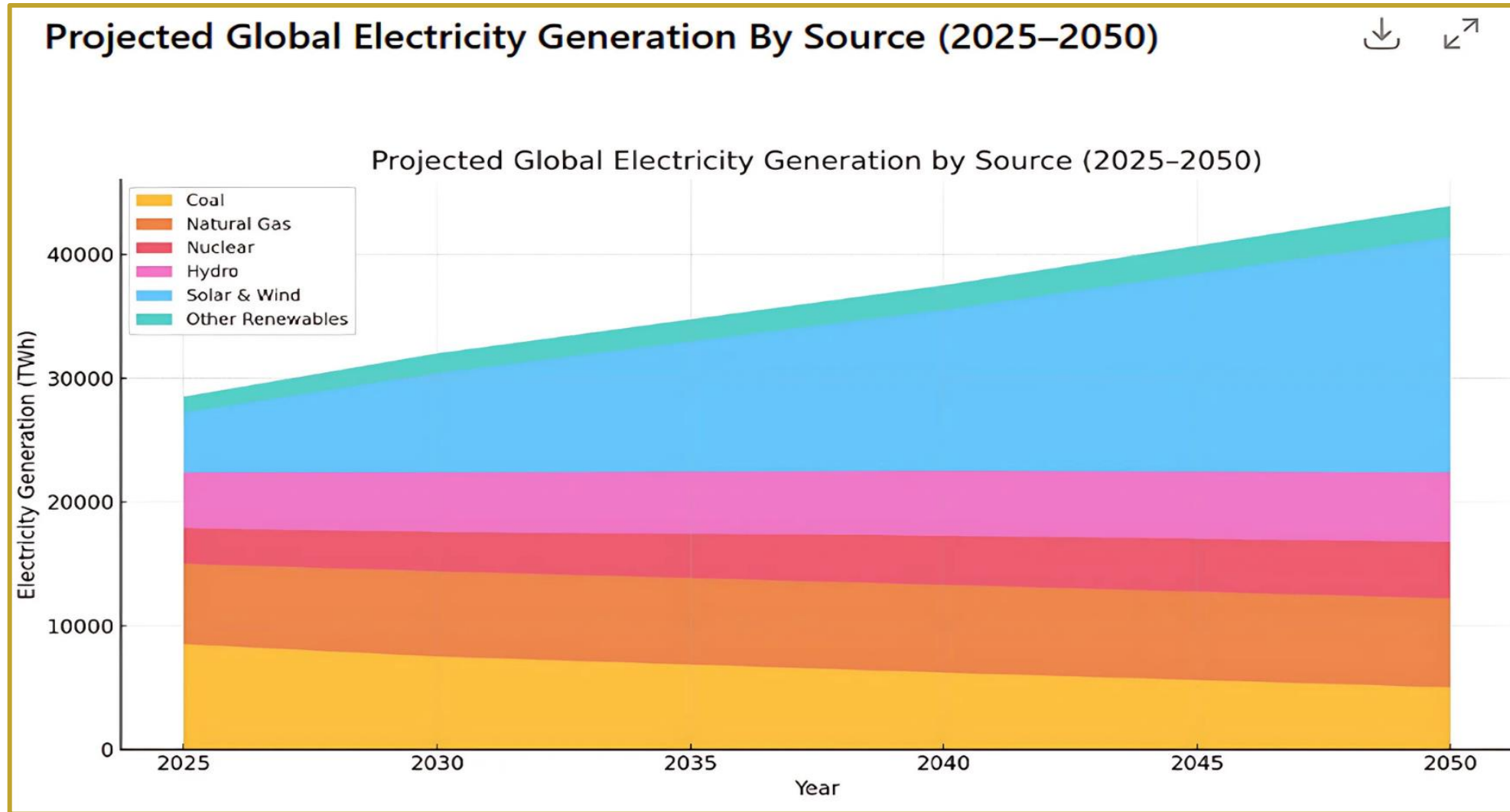
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GLOBAL ELECTRICITY DEMAND FORECAST



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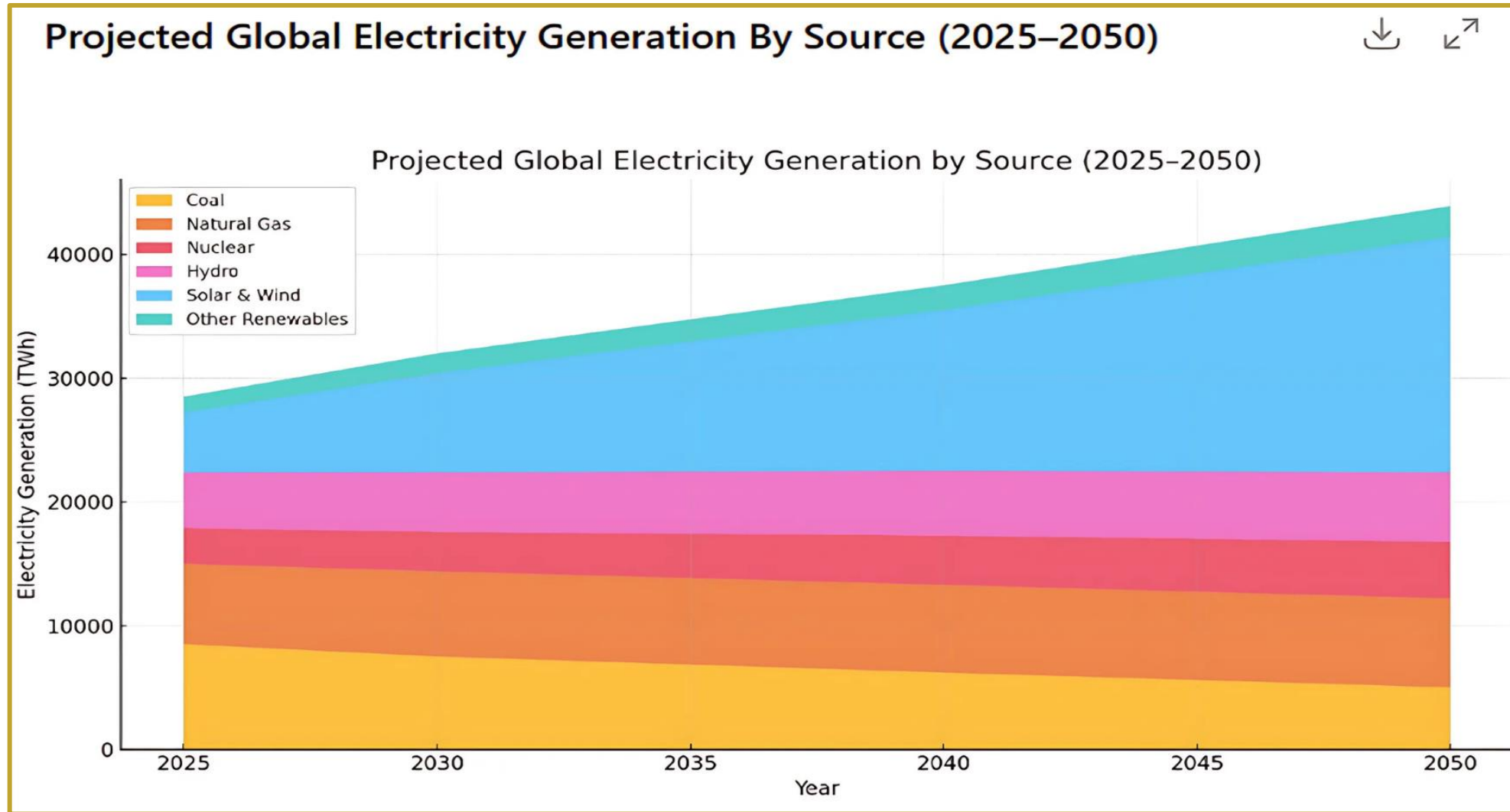
SOURCE OF GLOBAL ELECTRICITY SUPPLY TO 2050



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GLOBAL ENERGY POVERTY

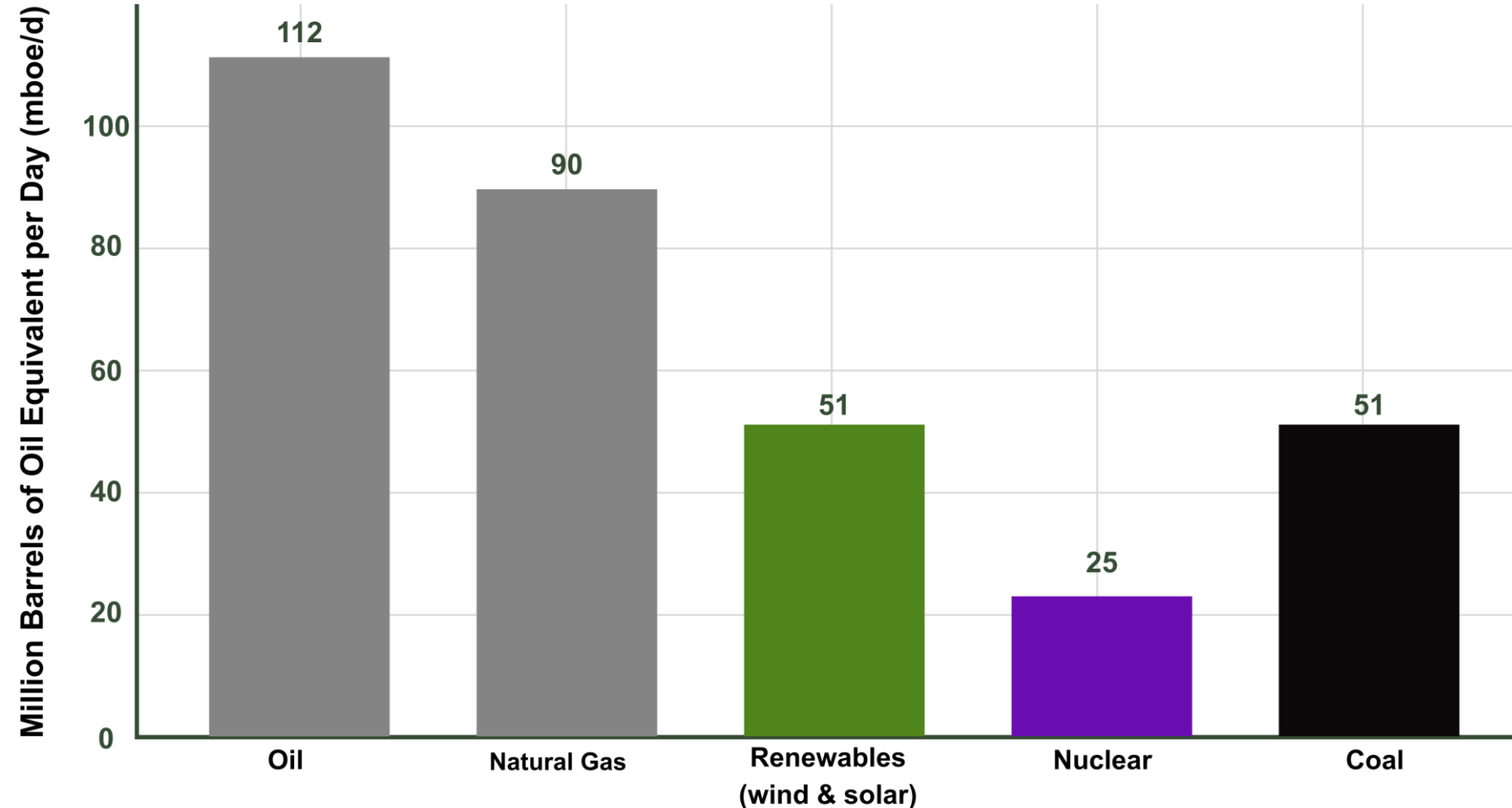
SOURCE OF GLOBAL ELECTRICITY SUPPLY TO 2050



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GLOBAL PRIMARY ENERGY SUPPLY IN 2050

OPEC Projected Global Primary Energy Supply by Source in 2050



OPEC – World Oil Outlook

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BALANCING WORLD ENERGY NEEDS

RESPONSIBLY BALANCING ENERGY

1. Energy Security – Reliable Supply Must Come First, No Source Should be Prematurely Abandoned if it Risks Shortages
2. Affordability – Energy Must Remain Accessible to Consumers, Especially in Emerging Economies
3. Sustainability – The Long-Term Goal is Reducing Emissions, Not Eliminating Energy Abundance, A Mix of Sources Achieves the Balance
4. Regional Strategies – Different Regions Will Pursue Mixes: Natural Gas in Asia / Africa, Renewables in Europe, Oil in ME, Nuclear in Advanced Economies

Wrapping Up

KEEP ON KEEPING THE LIGHTS ON!



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THANK YOU!