

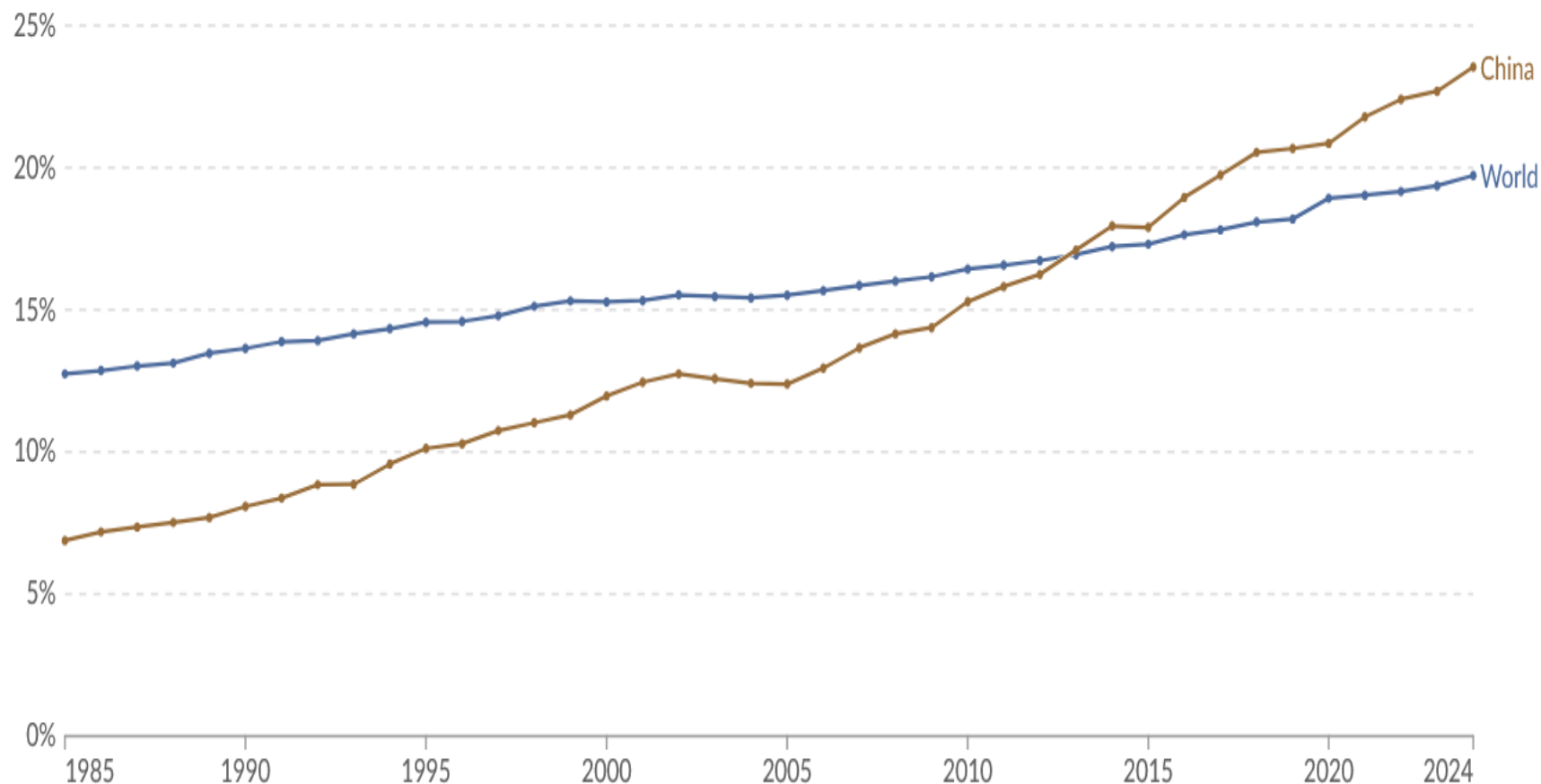
THE NATION-BUILDING POWER OF ATLANTIC OFFSHORE WIND

Electricity as a share of primary energy, 1985 to 2024

Our World
in Data

Share of electricity generation as a percentage of total, direct primary energy consumption.

Table Map Line Bar



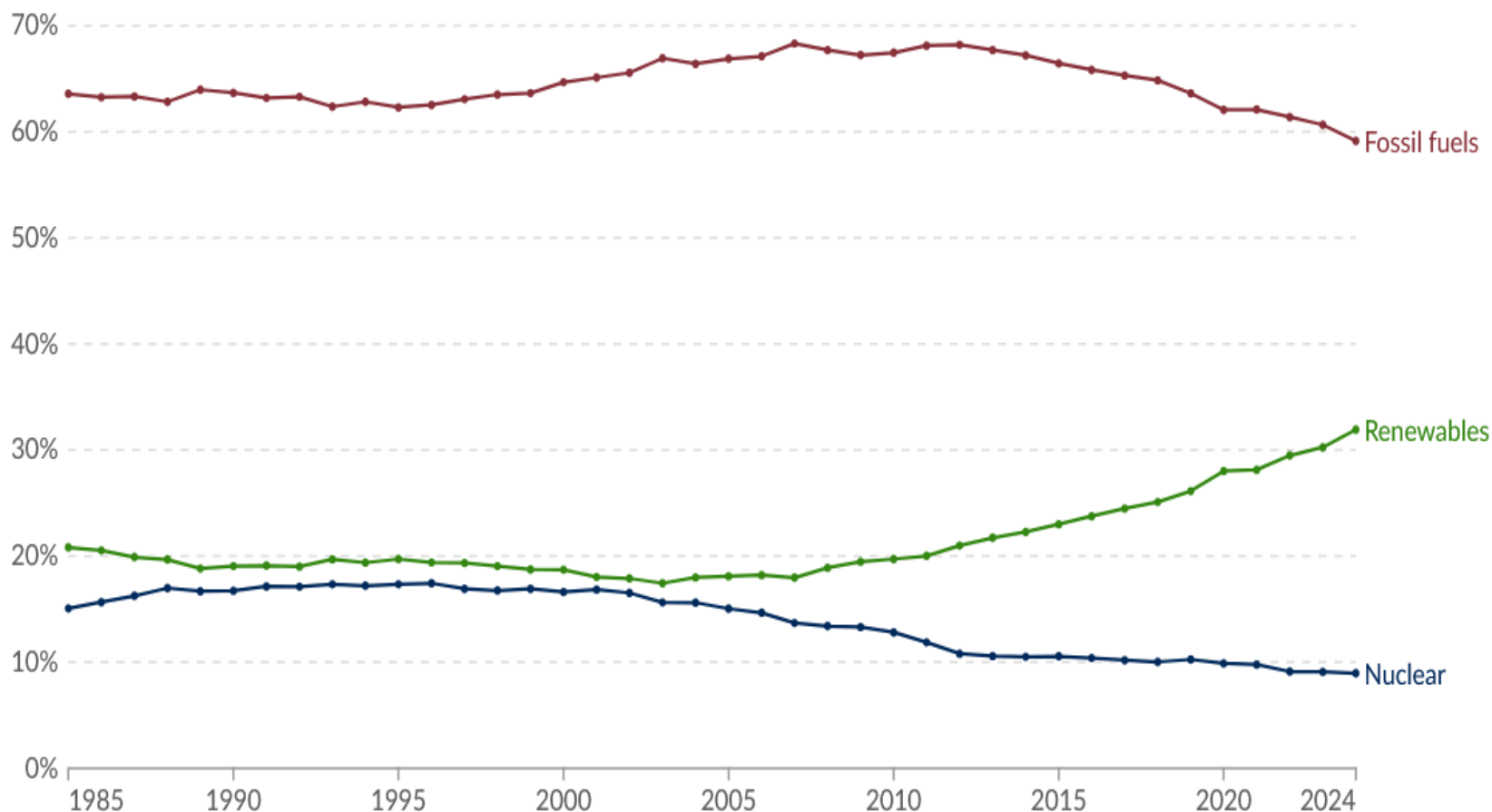
Share of electricity generation from fossil fuels, renewables and nuclear, World

Our World
in Data

Measured as a percentage of total electricity produced in the country or region. Fossil fuels include coal, oil, and gas. Renewables include solar, wind, hydropower, bioenergy, geothermal, wave, and tidal.

Table Line Bar

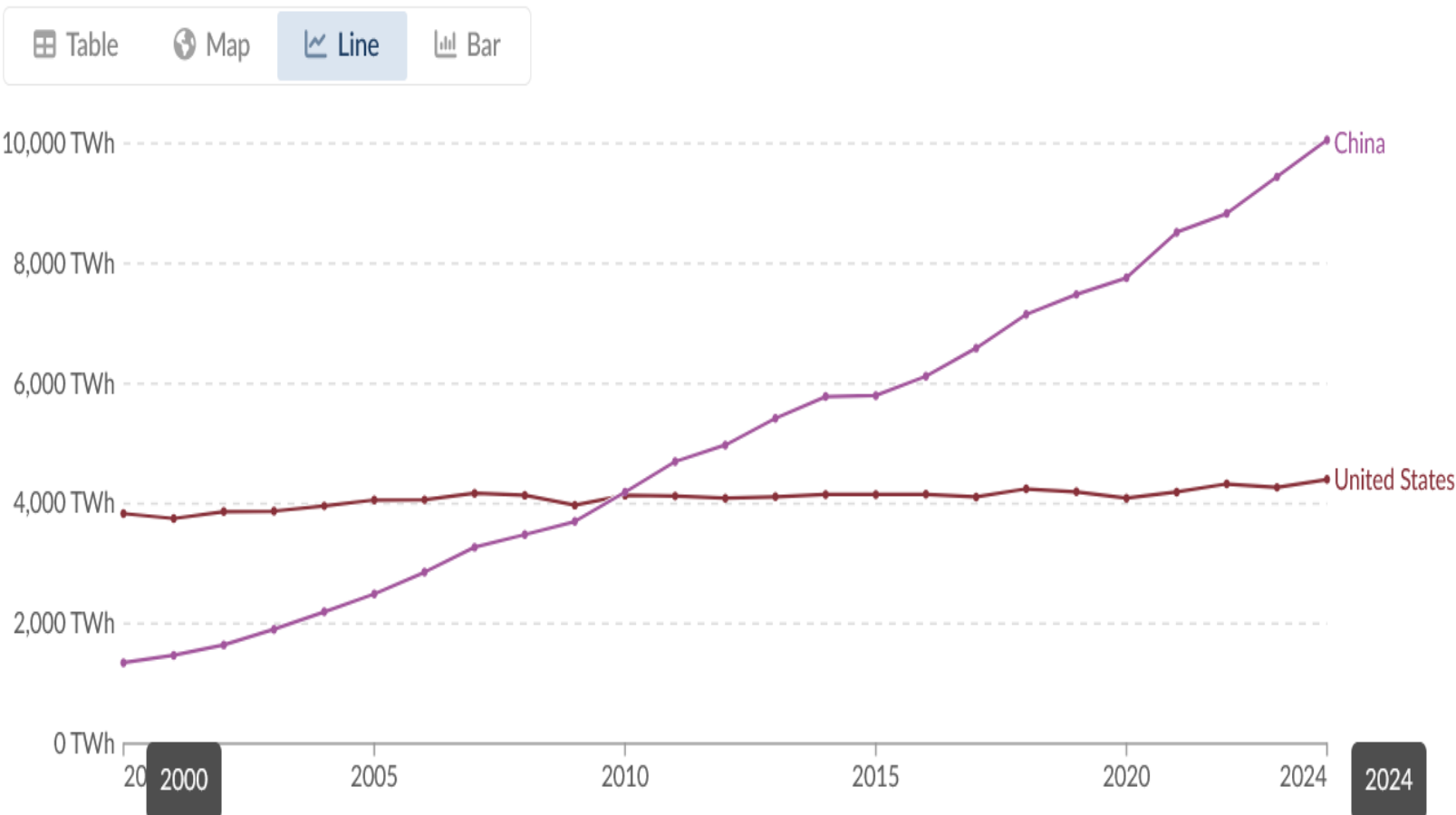
Change country or region



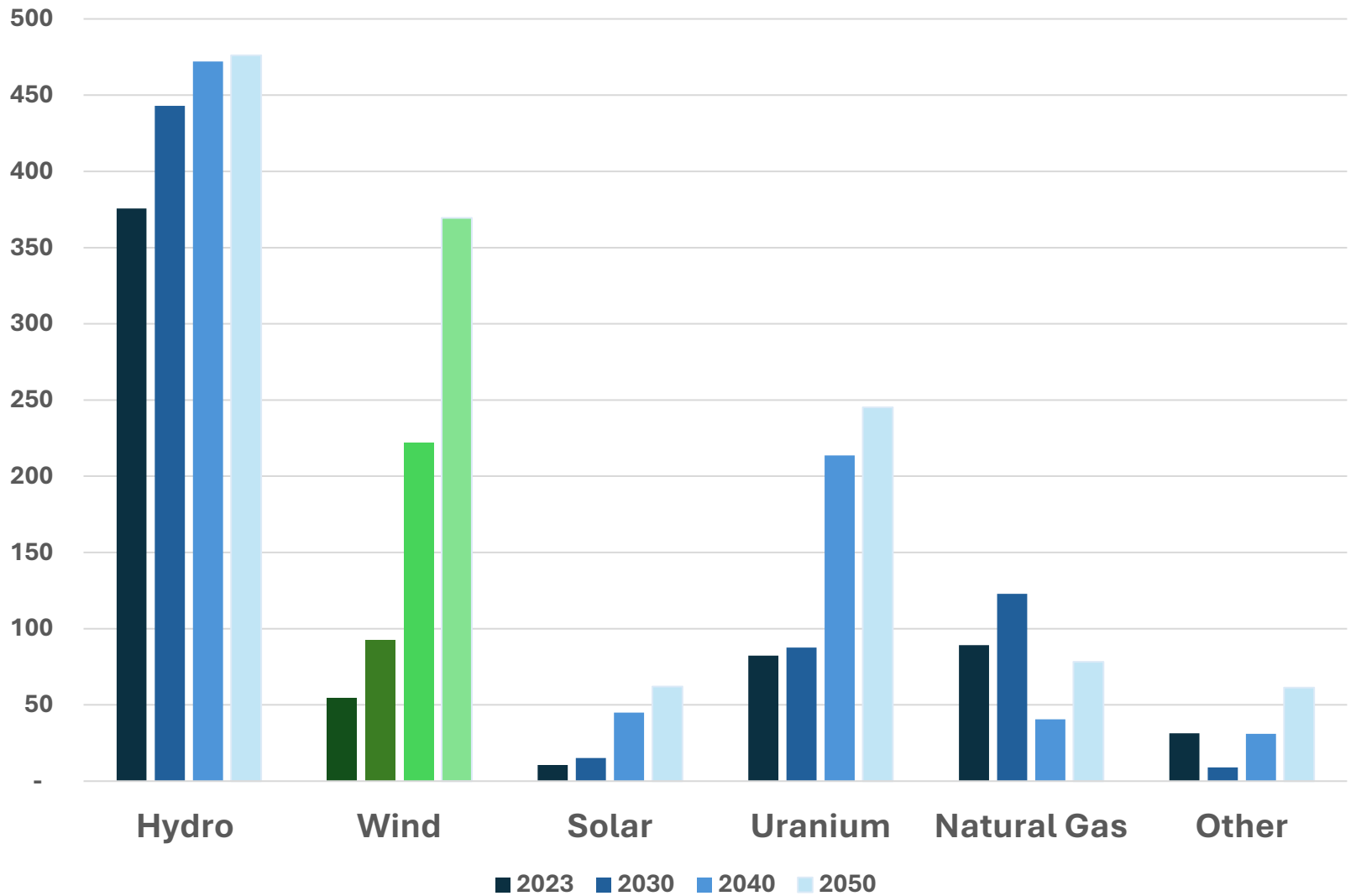
Electricity demand, 2000 to 2024

Our World
in Data

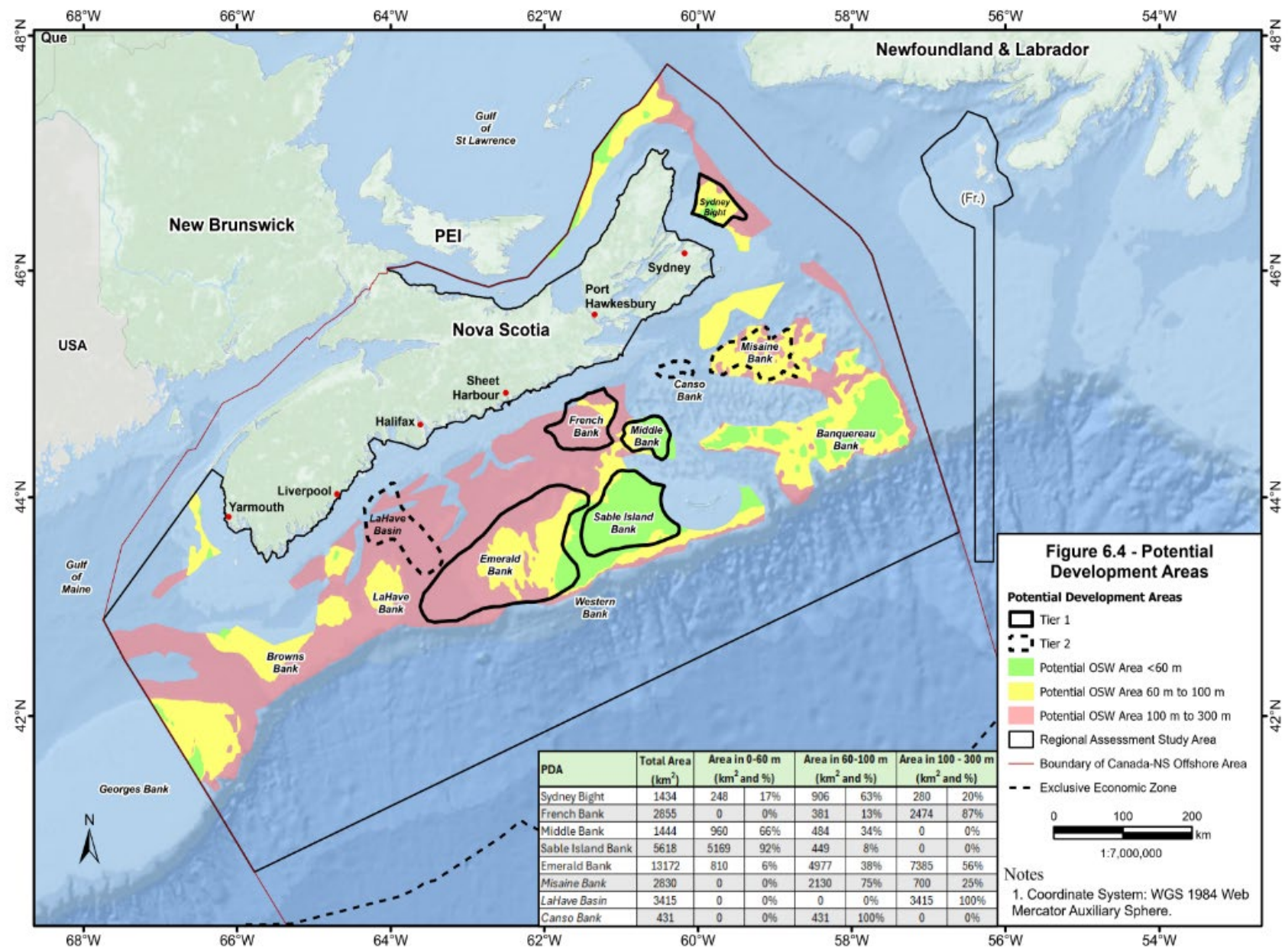
Electricity demand is measured in terawatt-hours, as total electricity generation, adjusted for electricity imports and exports.



ELECTRICAL ENERGY GENERATION: NET ZERO (TWh)





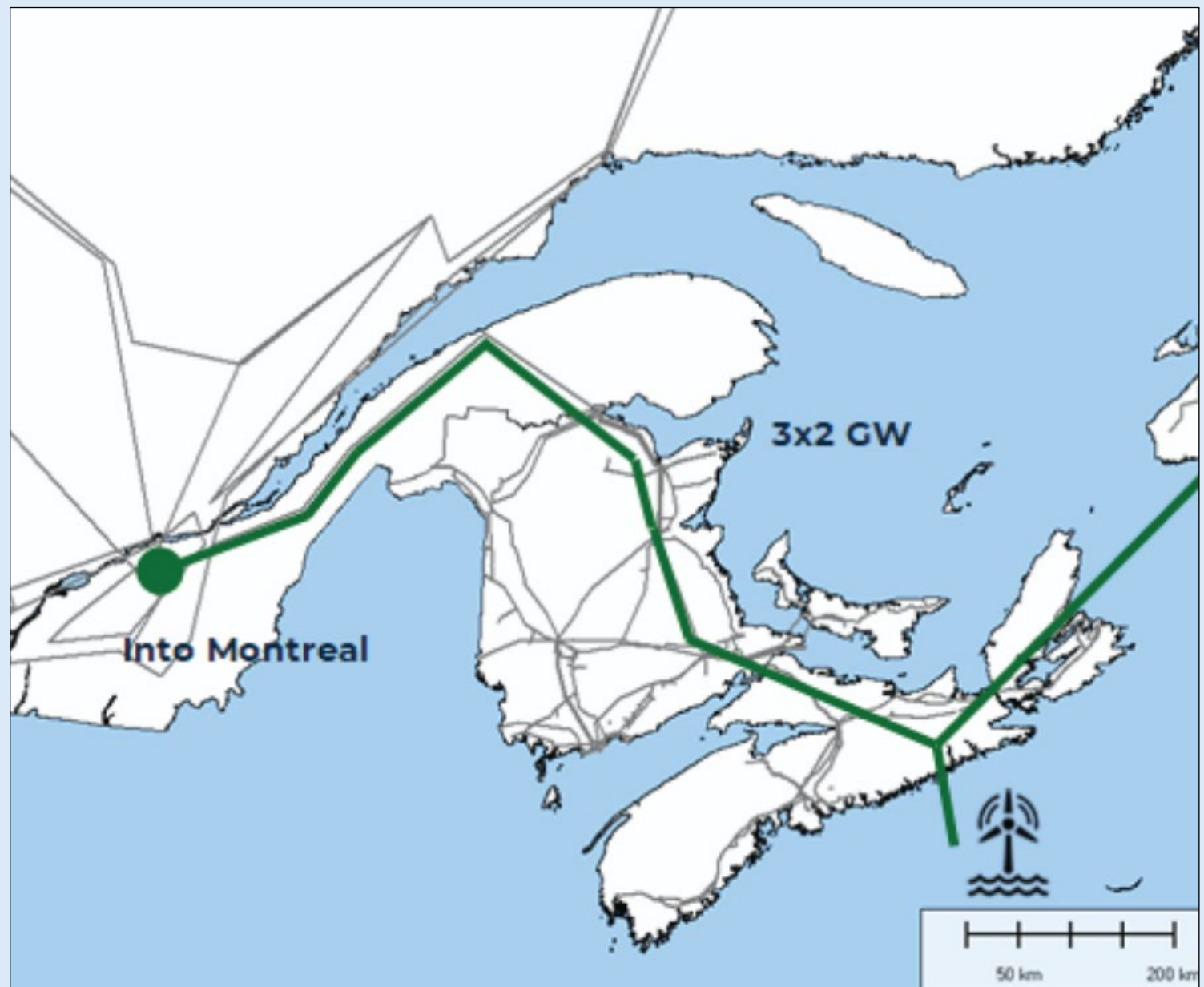


THREE BIG CHALLENGES

Will the economics work?

Will our publics be supportive?

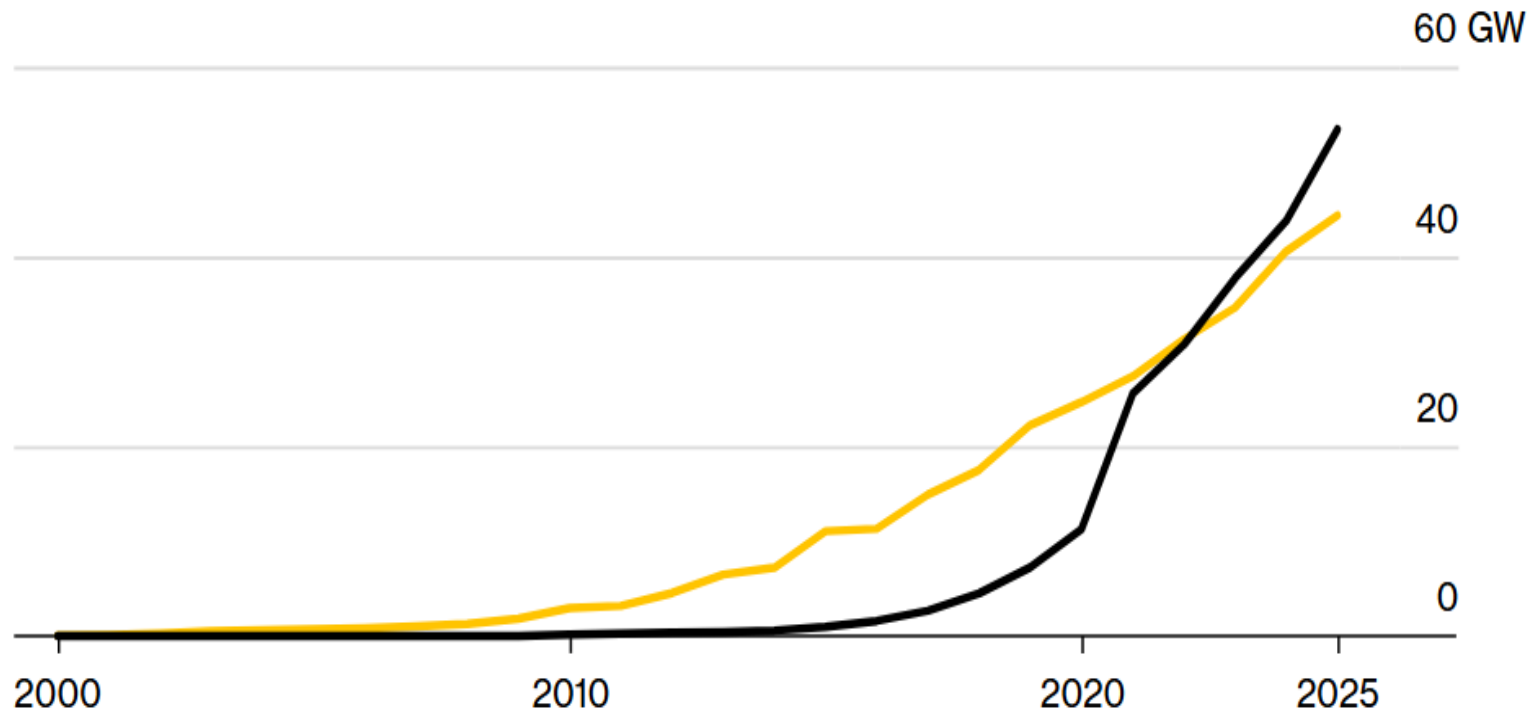
Will the relevant jurisdictions collaborate?



China's Offshore Wind Sector Becomes Dominant

Nation has surpassed all other countries combined in total capacity

✍ Mainland China ✎ Rest of world



Source: BloombergNEF

Note: 2025 figures are forecasts

THREE BIG CHALLENGES

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REGIONAL ASSESSMENT OF OFFSHORE
WIND DEVELOPMENT IN NOVA SCOTIA

FINAL REPORT

JANUARY 2025

| Committee Members:

Graham Daborn

Stephen Parsons

Lorraine Whitman

Ann Wilkie (co-chair)

James Wooder (co-chair)



THREE BIG CHALLENGES

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Will the relevant jurisdictions collaborate?

THE NATION-BUILDING POWER OF ATLANTIC OFFSHORE WIND