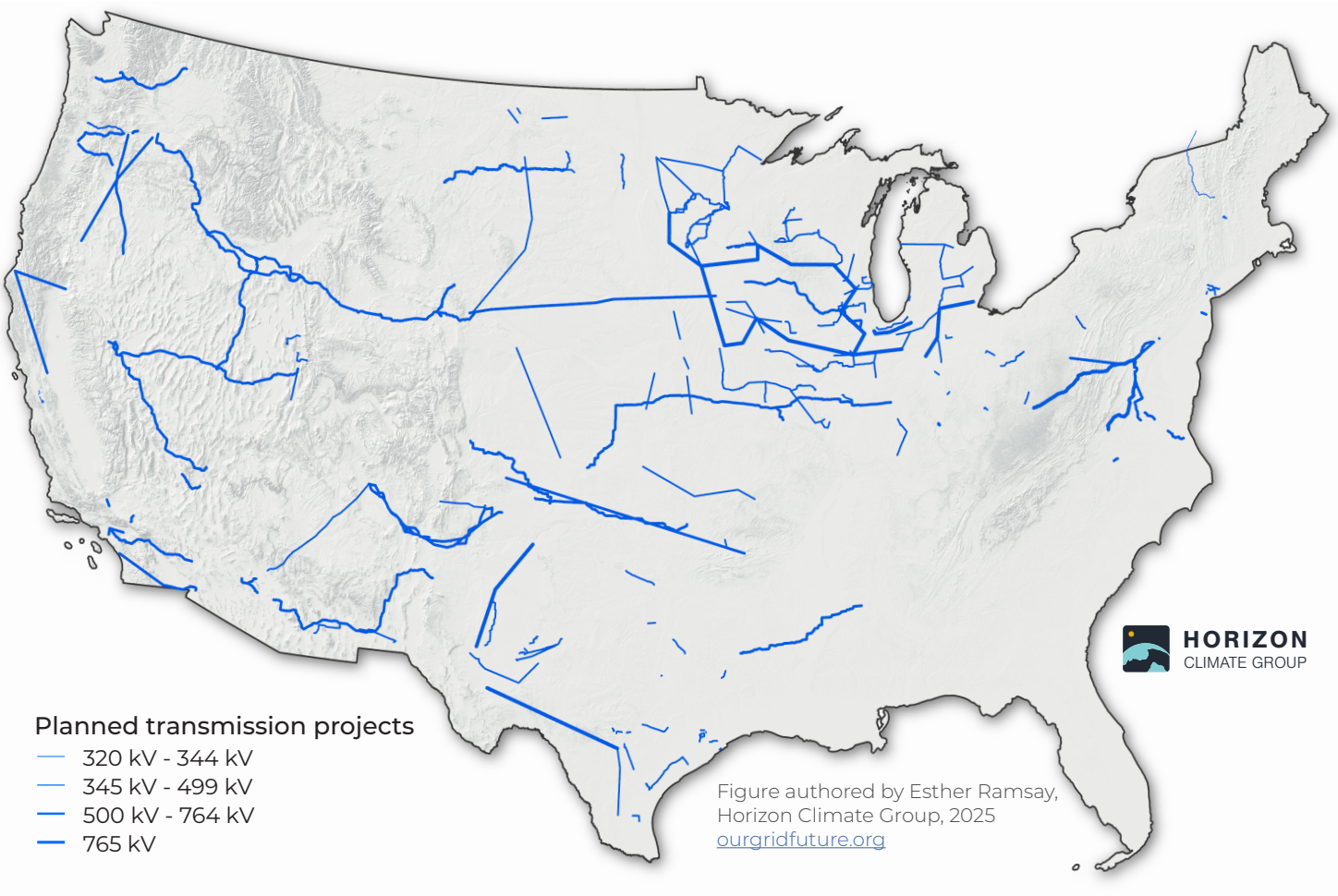
Over 14,000 miles of transmission are anticipated to be subject to NEPA

Based on currently planned transmission projects at 320 kV and above, with select permitting considerations



In 2024, the United States built 888 miles of transmission lines at 345 kV or above, according to FERC's Energy Infrastructure Update (April 2025).[1] According to data collected for **Our Grid Future**, there are **currently over 21,000 miles of transmission projects in the siting or permitting phase** of project development.

Of those projects, an estimated **14,197 miles of proposed transmission include a line segment that may trigger the NEPA review process** (National Environmental Policy Act). This preliminary estimate takes into consideration NEPA-related factors such as federal lands, major water crossings, environmental impacts, projects pursued by federal power marketing agencies, and federal funding. Almost **half of these projects are outside the Western region** of the United States.

Additionally, approximately 10,425 miles of projects **cross more than one state**, requiring **permitting in multiple states**.

Explore detailed project information and proposed transmission lines on the map at: **ourgridfuture.org**

Currently Planned Transmission

Siting and Permitting

216	21,485
Projects	Miles

Potential NEPA Interactions

80	14,197
Projects	Miles

Factors considered:

- Federal lands
- Environmental impacts
- Projects pursued by federal power marketing agencies
- Water crossings
- Federal funding

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Based on analysis by Horizon Climate Group using data collected for ourgridfuture.org

[1] https://cms.ferc.gov/media/energy-infrastructure-update-april-2025

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