

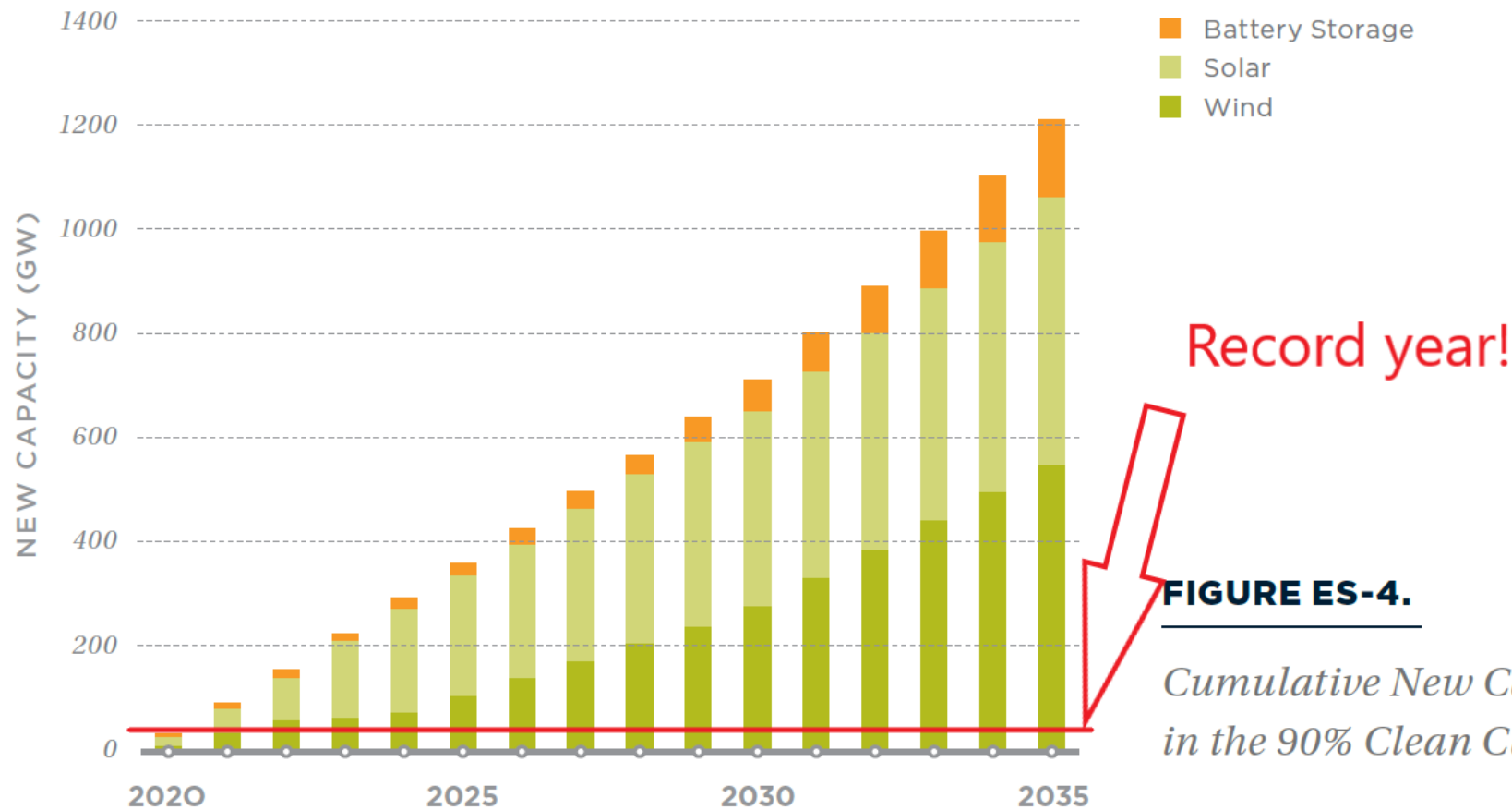


The Pace and Scale of Clean Energy Development to Meet Climate Targets

Kevin Lee | Deputy Commissioner, Energy Resources

Scale of Clean Energy Deployment to Meet Climate Targets

CUMULATIVE NEW CAPACITY ADDITIONS

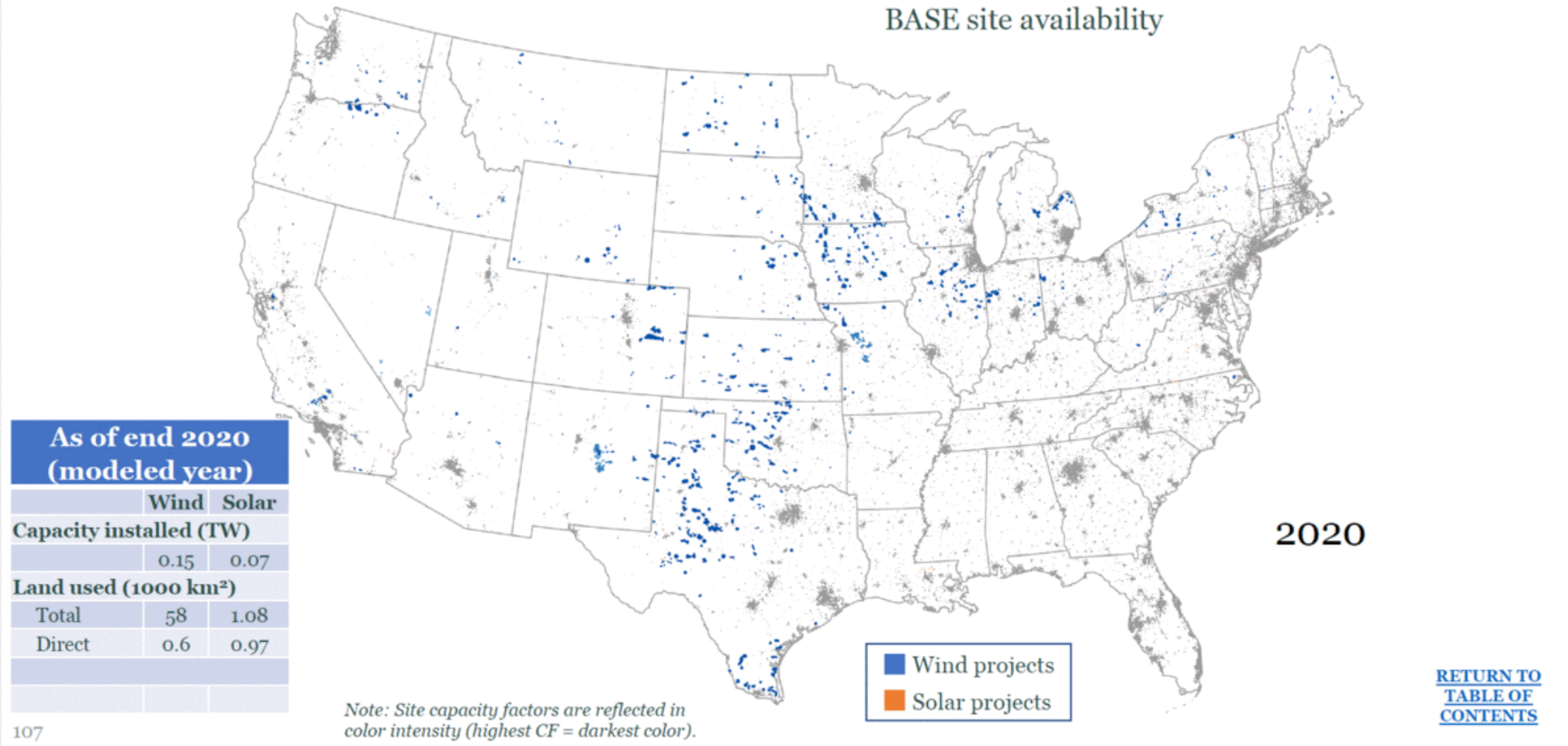


Source: UC Berkeley, 2035: The Report,
<https://www.2035report.com/electricity/>

FIGURE ES-4.

Cumulative New Capacity Additions in the 90% Clean Case, 2020-2035

Evolution of wind and utility-scale solar projects, E+ Base



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Scale of Clean Energy Deployment: Princeton Net Zero America Study, <https://netzeroamerica.princeton.edu/>

Transmission system in 2020 (≥ 345 kV lines shown)



Total transmission capacity:
~320,000 GW-km*



Transmission Capacity (GW)

0.0006

0.0006 - 70.5

70.5

0.0006

23.5004

47.0002

70.5

Population Density ≤ 100 people per square km

Population Density > 100 people per square km

Existing transmission (> 345 kV)

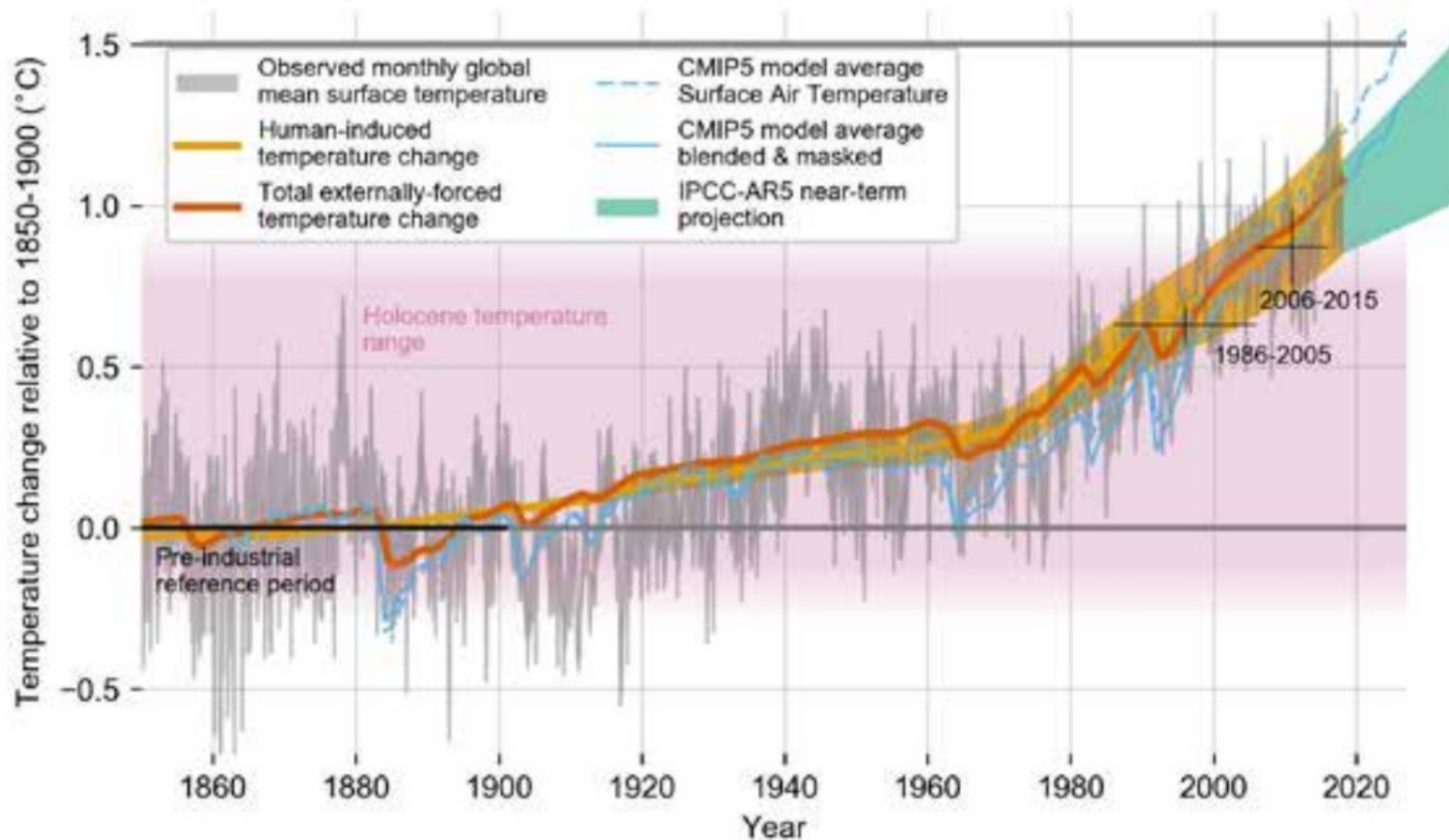
* Homeland Infrastructure Foundation-Level Data (HIFLD), 2008, as cited in National Renewable Energy Laboratory, [Renewable Electricity Futures Study, 2012](#).

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Scale of Clean Energy Deployment: Transmission (Princeton Net Zero America Study)

The Imperative to Meet the Challenge at Scale



Thank You!

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