

Interregional Transmission

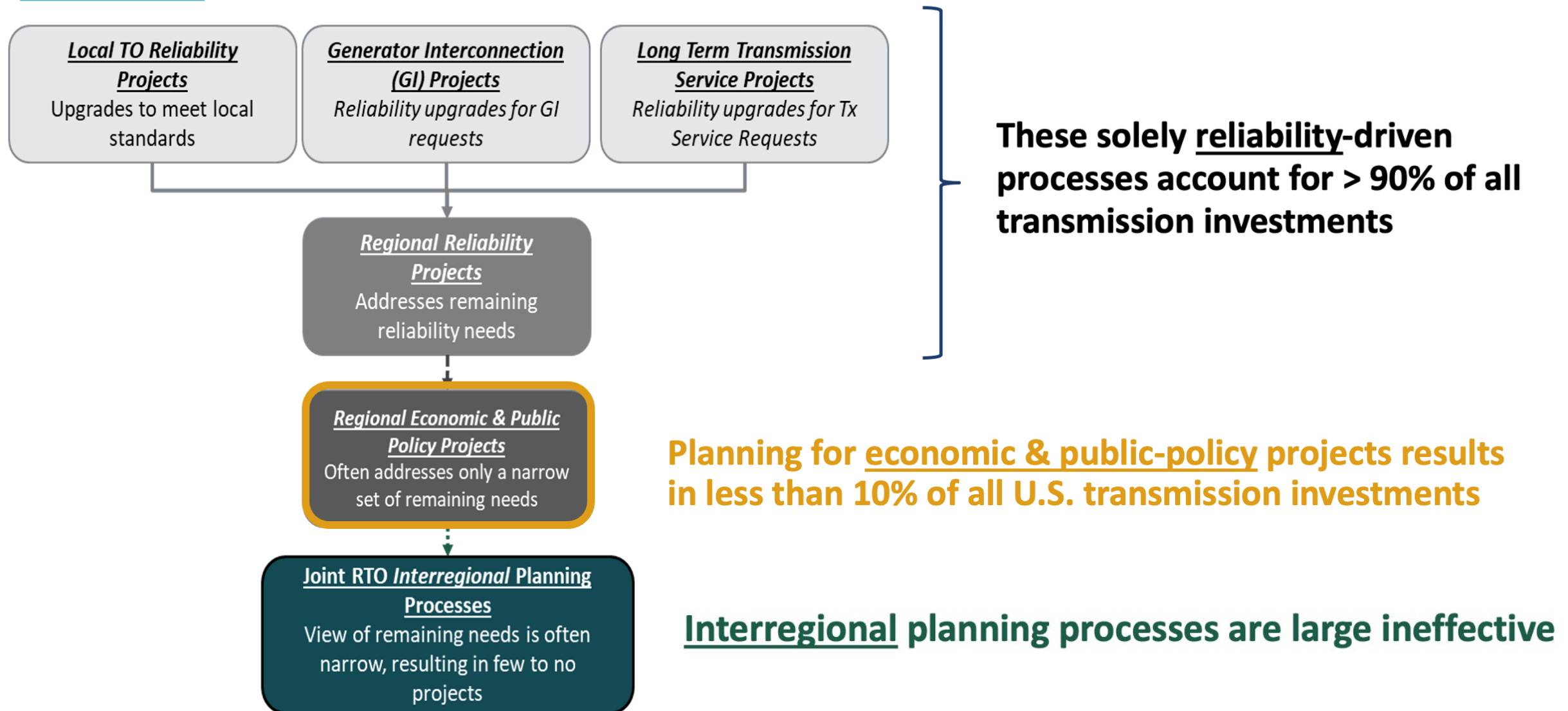


Debra Lew, Associate Director, ESIG

Spring Technical Workshop

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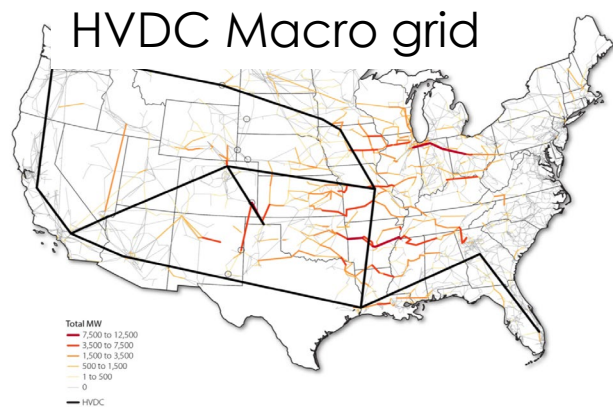
U.S. Transmission Needs are currently identified through ...



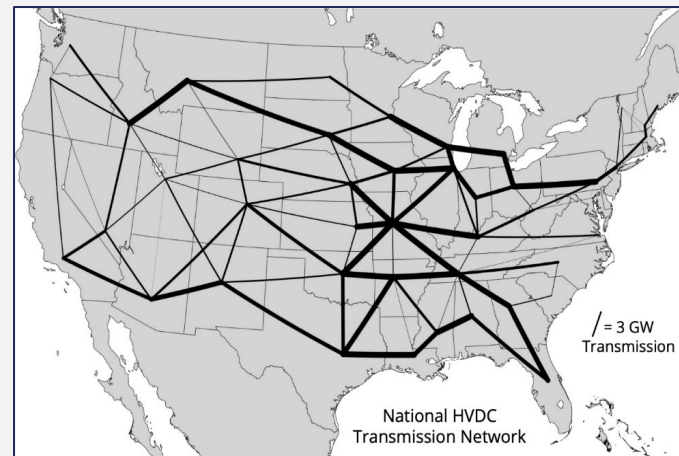
Need for large-scale interregional transmission to meet an affordable, reliable, clean future



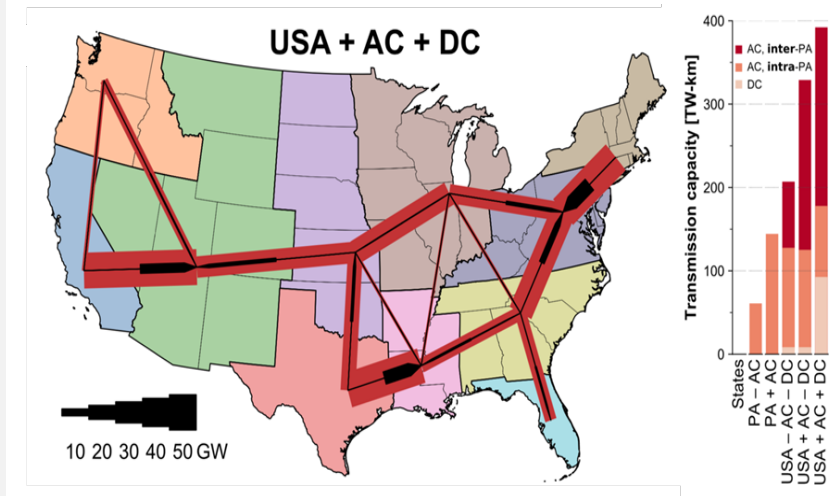
NREL Interconnection Seams Study



Vibrant Clean Energy ZeroByFifty



Brown & Botterud, MIT

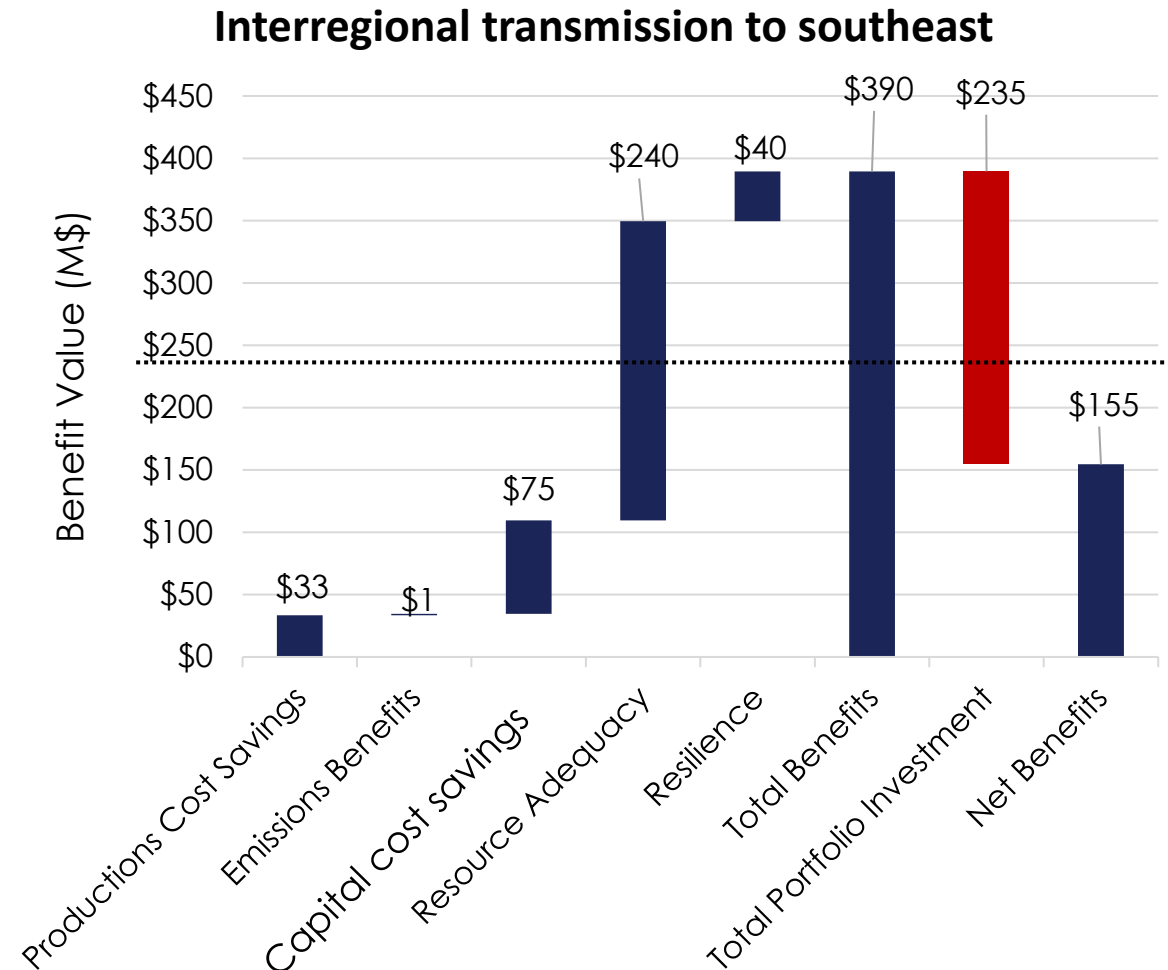


Inter-regional transmission may provide different benefits from regional transmission



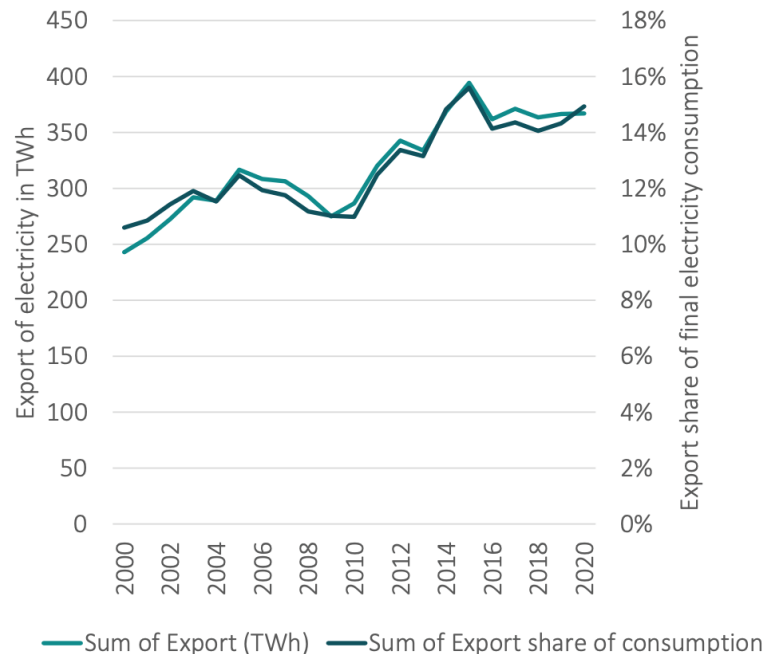
This 2 GW line improves resource adequacy similar to building 4 GW of new natural gas capacity!*

***Note that you would need some bilateral or market mechanism to monetize this benefit**



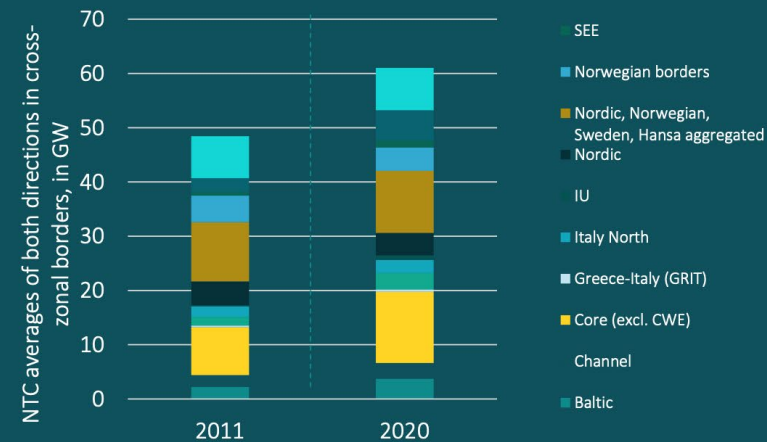
Meanwhile Europe has recognized the need and is building interregional transmission

European exports and export share of electricity consumption in the EU



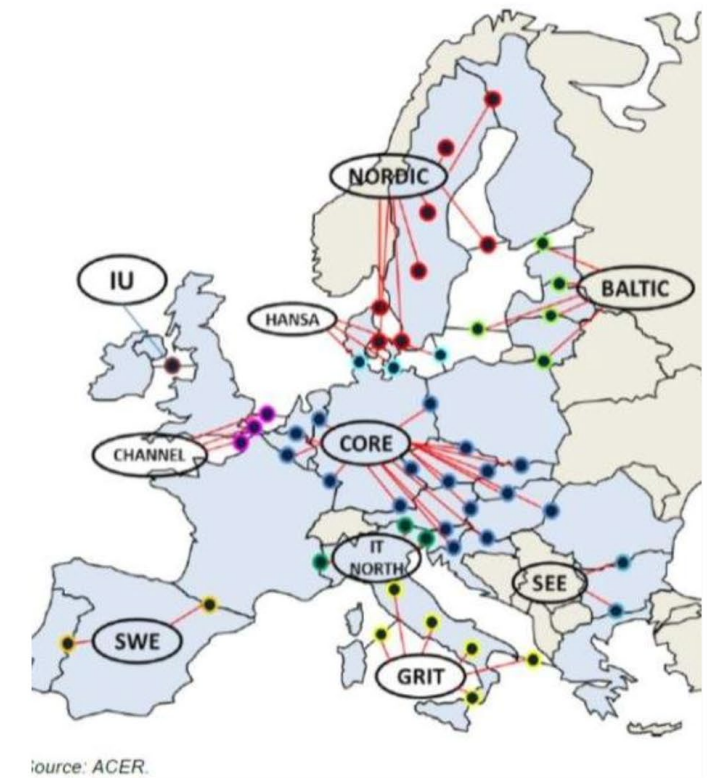
INCREASE IN CROSS BORDER ELECTRICITY TRANSMISSION CAPACITY

Net Transfer Capacity (NTC)



Source: Acer

European Capacity Calculation Regions



Source: ACER