

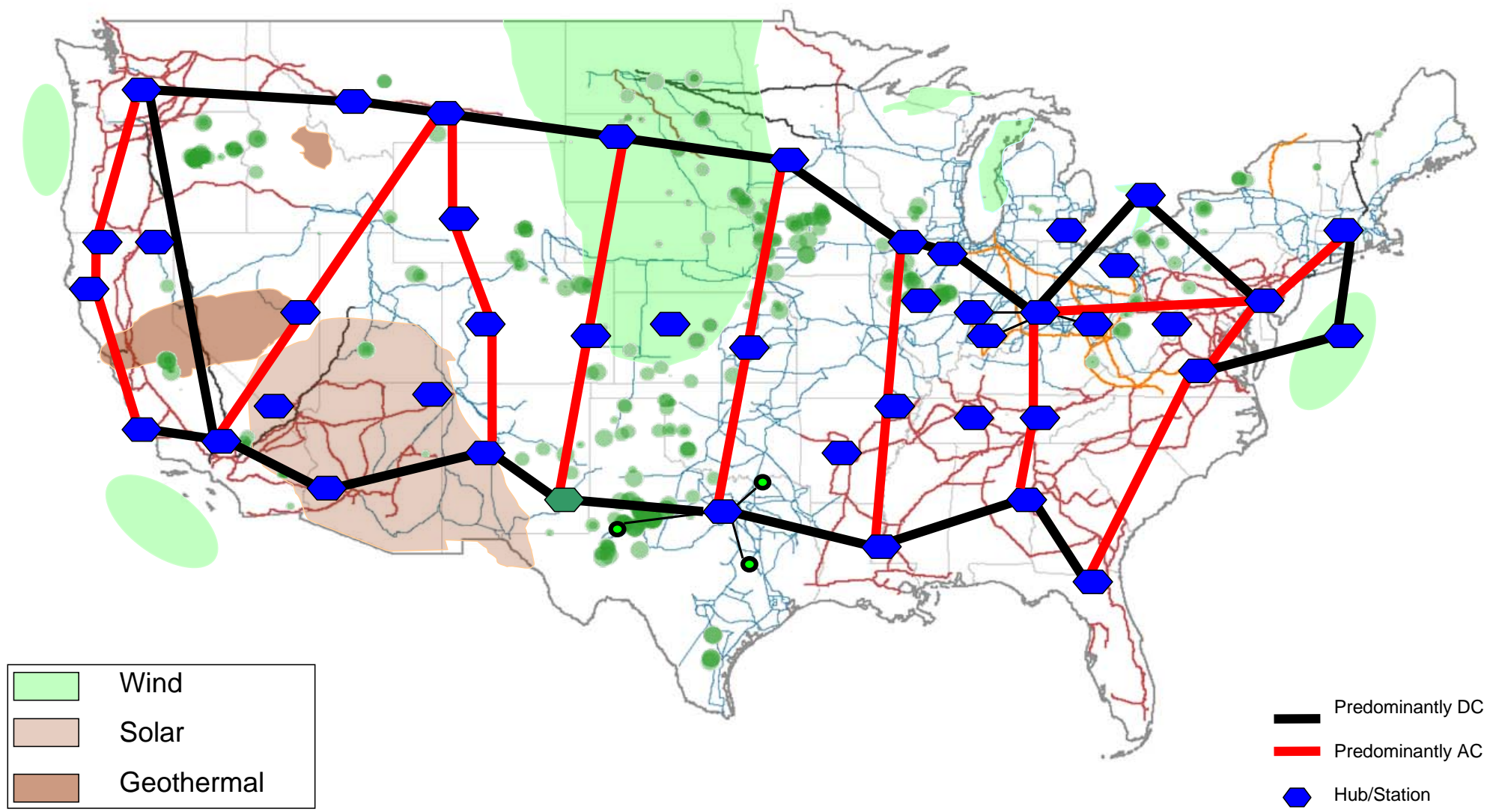
The background of the slide is a photograph of three wind turbines against a sunset sky. The sky transitions from a deep blue at the top to a soft orange and pink near the horizon. The turbines are silhouetted against the sky, with their three blades clearly visible. The overall mood is serene and focused on renewable energy.

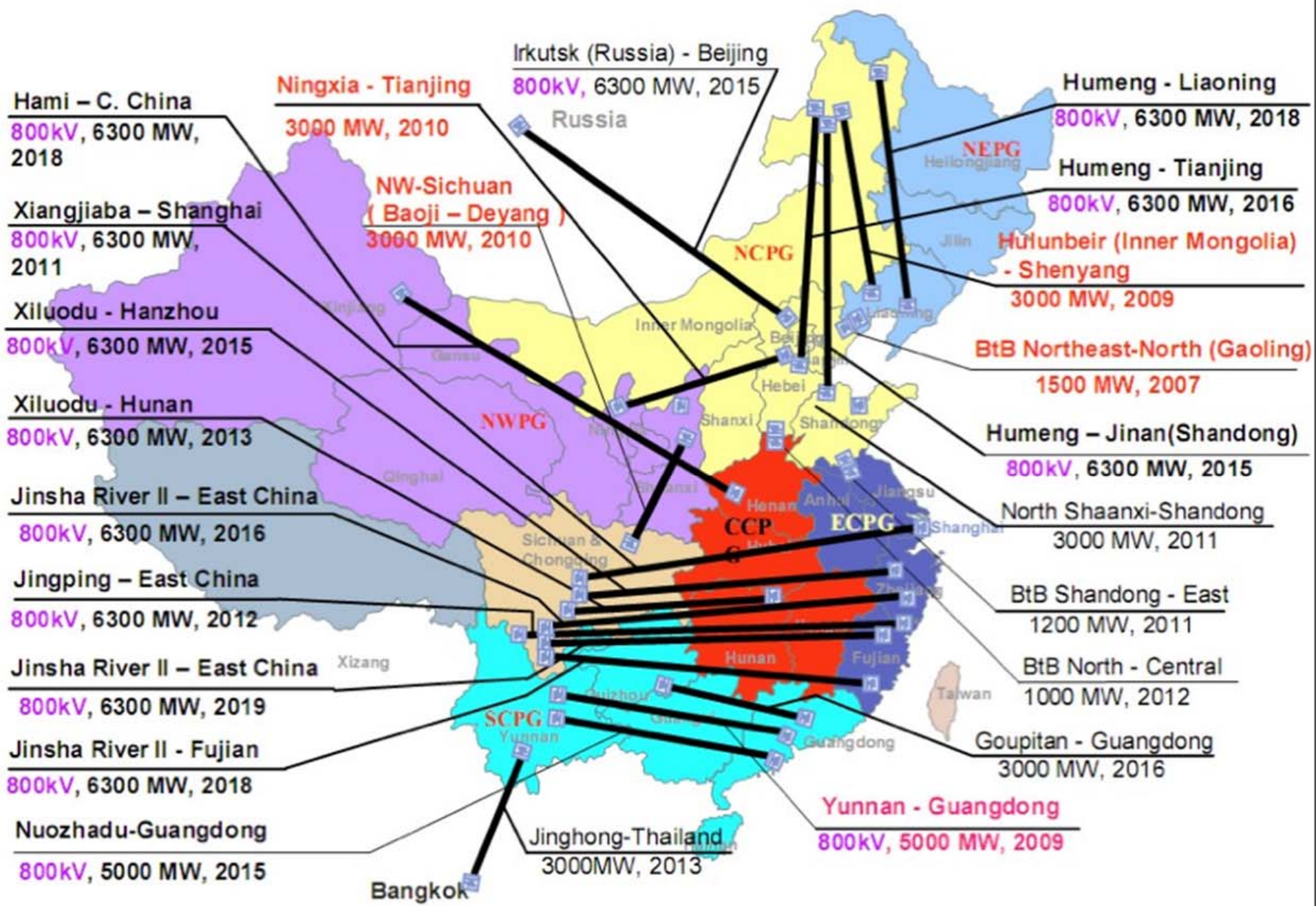
Energy Investment Forum

**Austin, TX
January 21, 2011**

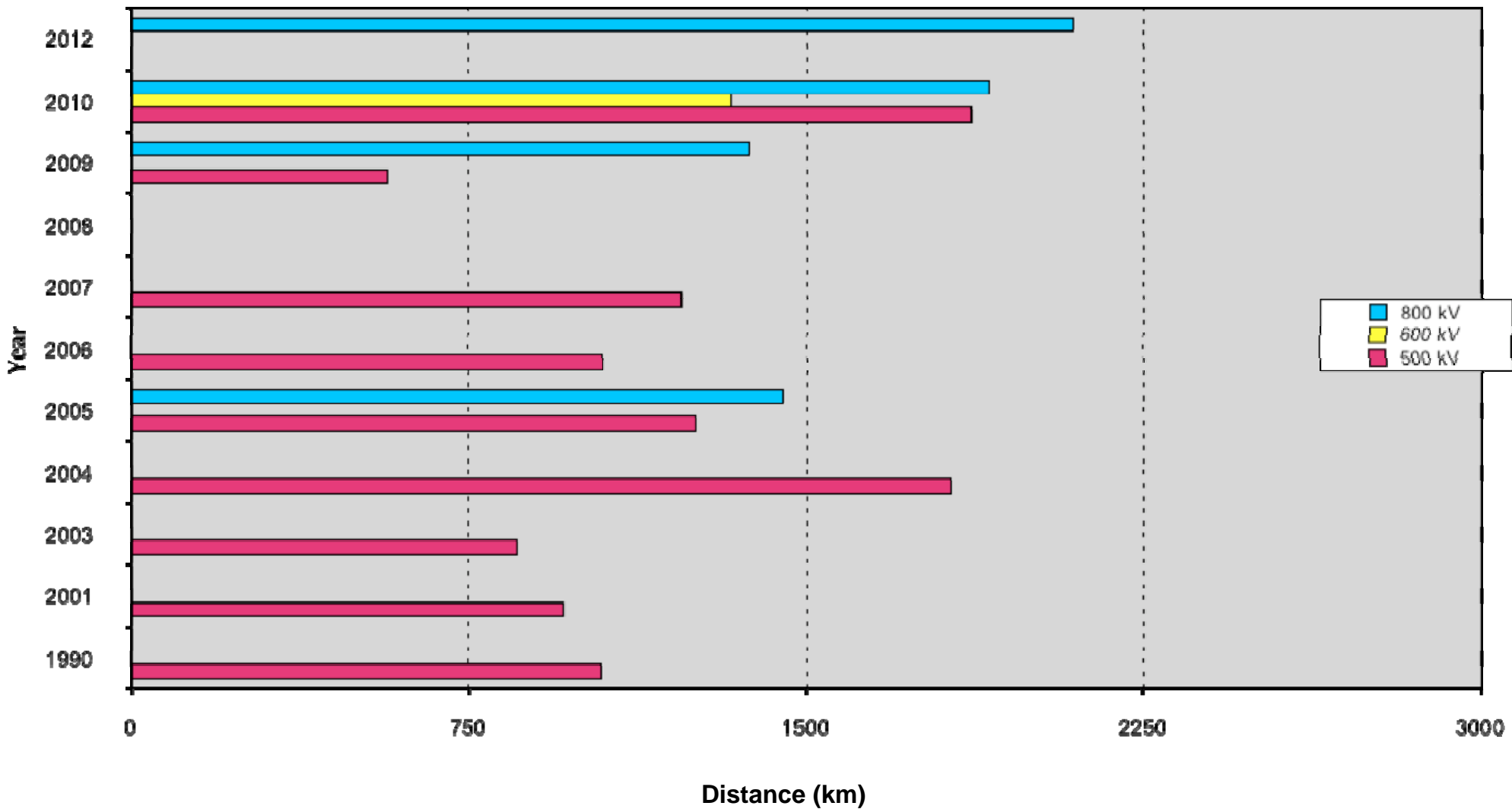
**Jon
Wellenghoff
Chairman
Federal Energy
Regulatory
Commission**

Visualizing a Strong U.S. Electric Grid










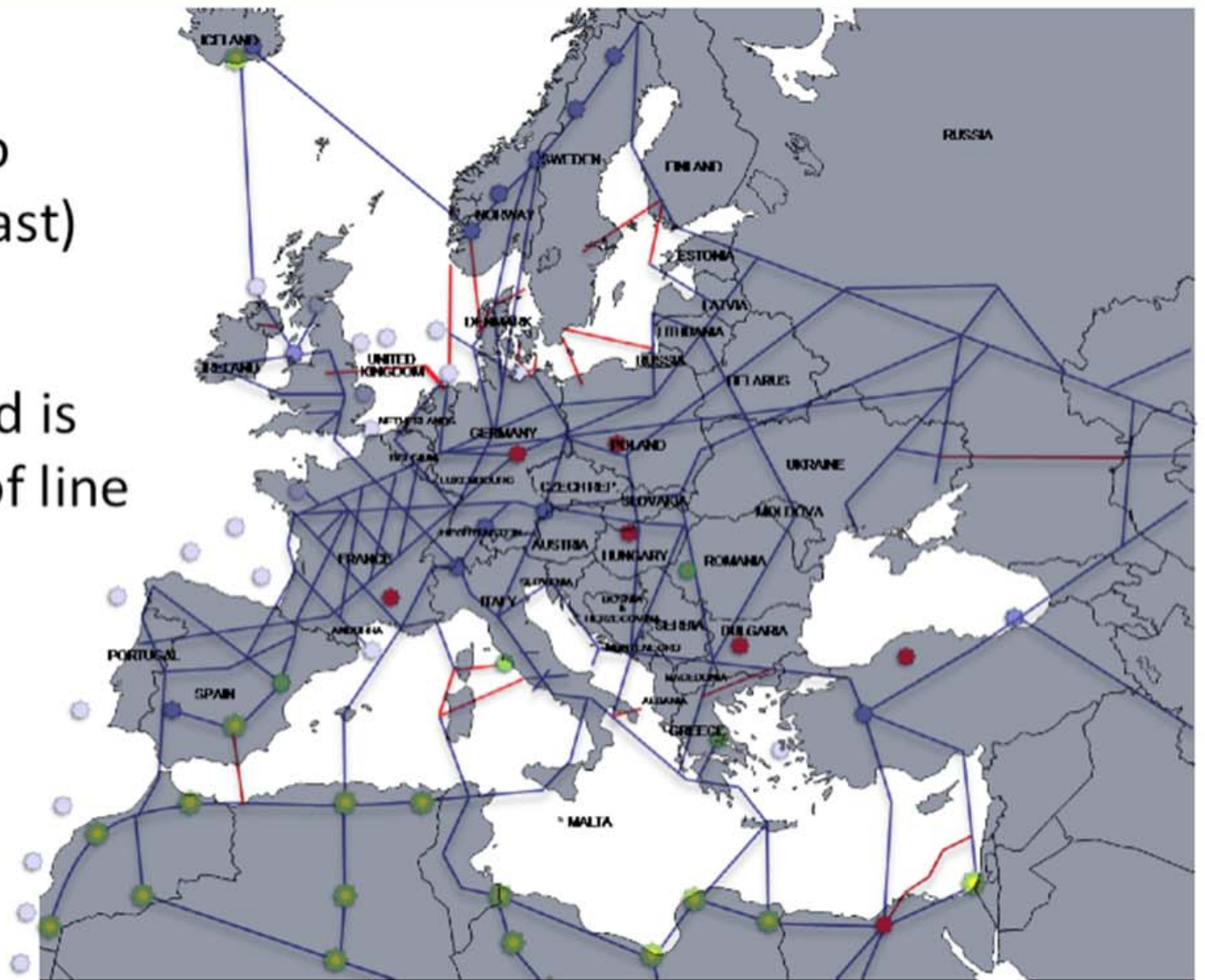


China HVDC Transmission Lines Construction



- From Iceland (Northwest) to Israel (Southeast) = 3,200 mi
- Concept of grid is 25,000 miles of line

- | | |
|---|---|
|  Solar Power |  Connections already in place or planned |
|  Wind Power |  Vision of ABB and DLR |
|  Geothermal | |
|  Hydro | |
|  Biomass | |



The new high-voltage network would range from the Sahara to the polar cap. The concept calls for main lines that are 40,000 kilometers long. And parts of it already exist.



**Thank
You!**