

NERC

**NORTH AMERICAN ELECTRIC
RELIABILITY CORPORATION**

Planning for New Reactors, Necessary Transmission and Reliability Standards

March 16, 2010

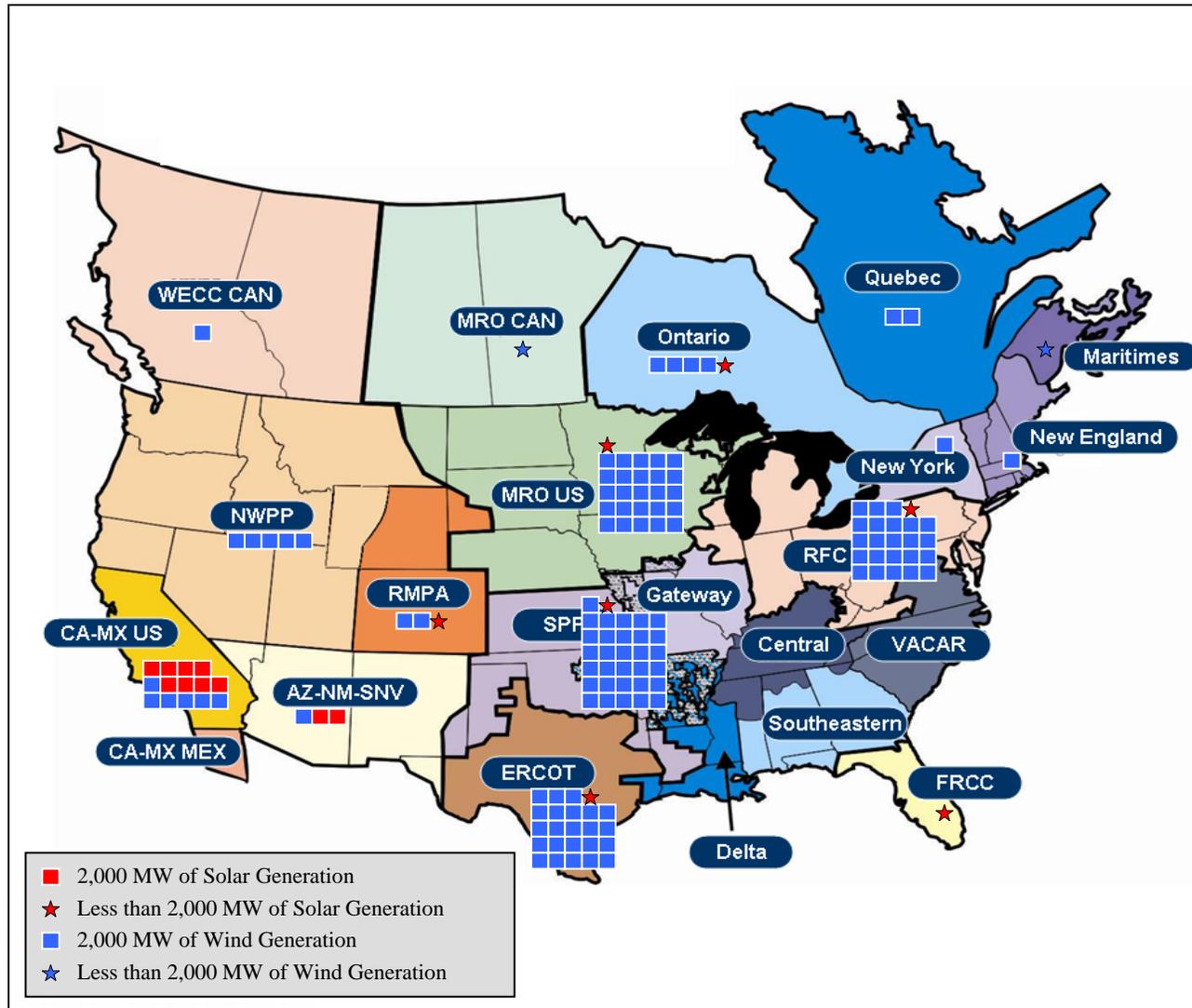
David R. Nevius

Senior Vice President - NERC

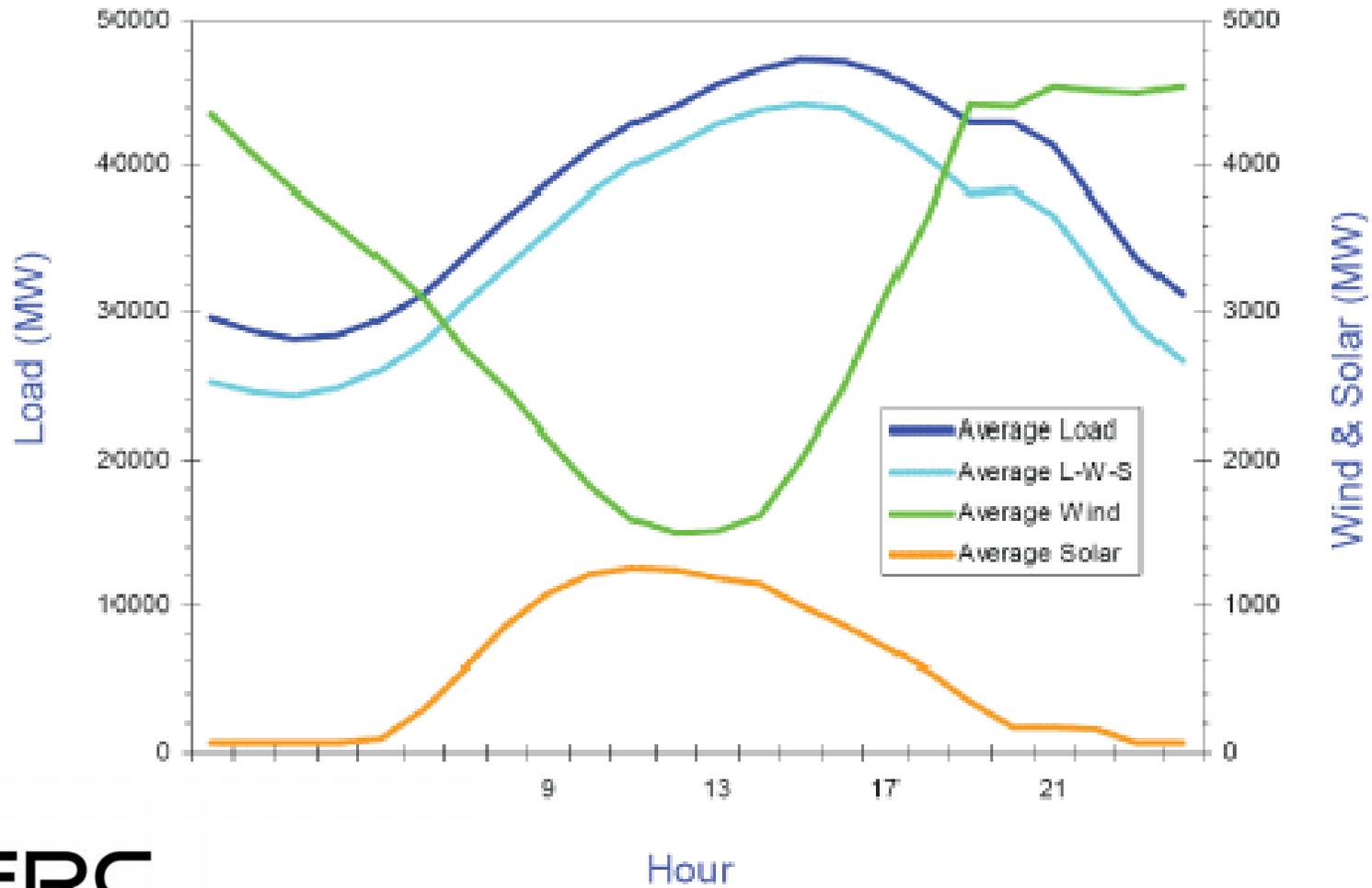
Long-Term Reliability Issues

- **Decreased Demand, Higher Margins**
- **New Renewable Resources**
- **Natural Gas the Leading Fuel for New Capacity**
- **Transmission Siting and Construction**
- **Climate Legislation**
- **Cyber Security**

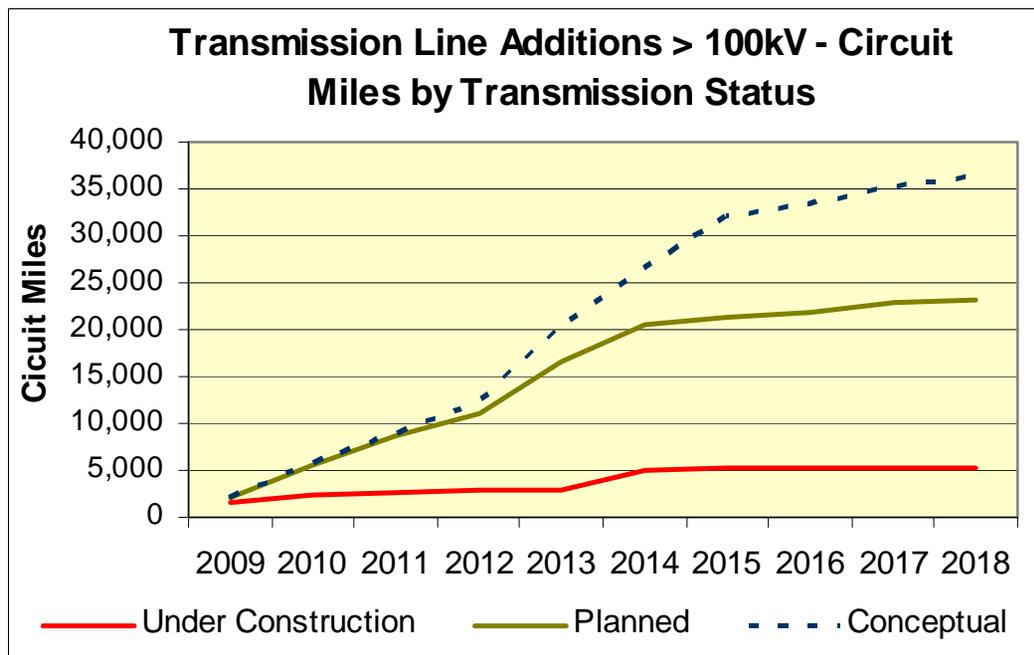
Addition of Variable Resources



Variable Output Limited Dispatchability



Transmission Planning, Siting and Construction



- 24,000 miles of Planned Transmission
- An additional 12,000 miles of Conceptual Transmission

