

Pre-Requisites for a Reliable, Resilient Decarbonized Grid

New Grid Operation Capabilities

New protection, control, and other technologies to reliably and resiliently operate the grid



Revised Market Designs

Markets must incent investment and properly compensate resources for grid services provided



Grid Investment and Development

Adequate investment, supply chain, and workforce to develop extensive new supply, demand, and T&D resources

Efficient Regulation and Collaboration

Faster timelines for siting, permitting, and building new infrastructure and developing and deploying new technology



Integrated Planning for Reliability and Resiliency

Tools and processes for regional investment plans across electric and other energy systems in context of changing climate and other hazards



Resource Adequacy as the Grid Evolves



Role: 2X Electricity Share of Final Energy

A greater portion of societal needs will be dependent on the reliable supply of electricity.



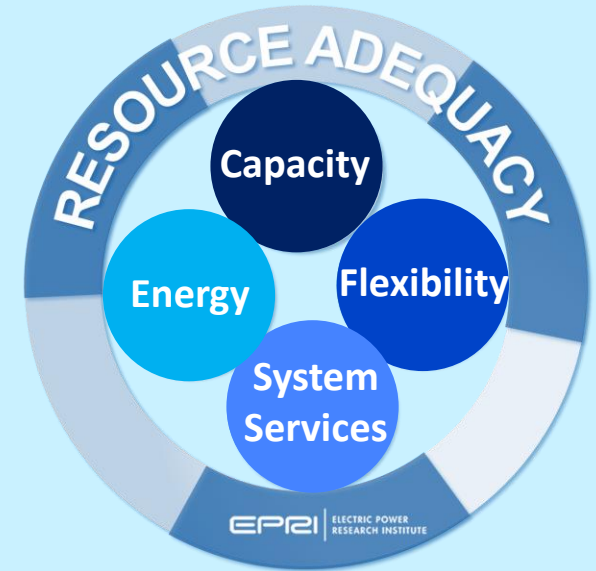
Challenge: Evolving Grid and Hazards

The resource mix will have significantly different performance characteristics and the grid must adapt.



Opportunity: Resilient Energy Supplier

Meeting customer expectations for reliable energy supply will build trust and create new opportunities.



Resource Adequacy is the ability to meet customer energy needs at a targeted risk level considering planned and unplanned outages.

Resource Adequacy processes and tools must evolve.